



viv  
**VLADMIVA**

# DENTAL CATALOG

**RUSSIAN LARGEST MANUFACTURER**  
OF DENTAL MATERIALS AND INSTRUMENTS

 [vladmiva.ru](http://vladmiva.ru)



# High Technology and Innovation

- 30 patents
- 75 trademarks
- 130 new technologies



JSC EXPERIMENTAL PLANT

# **DENTAL CATALOG**

BELGOROD – 2024

**VLADMIVA** is a **group of companies** that includes companies engaged in the development and production of materials, tools and equipment for dentistry. It has a multi-branch trading house operating both for the Russian market and for export, the largest dental clinic in Belgorod, an Educational Center and a Health and Beauty Studio.

The VladMiVa brand is now known to a large number of dentists in Russia and neighboring countries. The company is **the largest Russian manufacturer** that produces more than 300 types of products with Russian certificates.

**The main goal** of the group companies is to supply customers with modern dental materials at reasonable and affordable prices as required by the import substitution program. The Group has implemented **the certified Quality Management System** according to ISO 13485:2016 to guarantee high quality of the manufactured products. Our products comply with the international requirements of the European Council Directive 93/42/EEC of 14 June 1993 concerning medical devices, and we have the **CE certificate issued** by the TUV Rheinland Group.

More than 30% of the output is exported to 75 countries. The R&D department of the Company develops new products in close cooperation with the leading Russian universities, research institutes, dental universities, doctors and dental technicians. The Company manufactures both regular and high-tech materials.



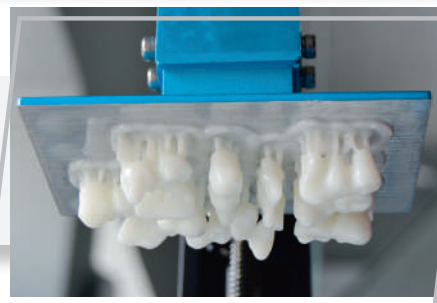
Our plant is equipped with the most advanced high-tech equipment to produce high quality polymer **composite materials**, which are widely used for direct and indirect restorations in therapeutic and aesthetic dentistry.

We are proud to offer dentists a wide range of **biocompatible osteoplastic materials** for surgical dentistry and maxillofacial surgery.



We were the first to design and produce **precursor-free plastic materials**. Over the past 5 years, we have registered and launched the serial production of almost all key types of dental **acrylic resins**.

We follow the newest trends in the use of digital technologies in dentistry and offer our new developments for **3D printing** and automated **CAD/CAM** systems.



Since 2005, we have been manufacturing **RosBel diamond burs**, which are widely used not only in dentistry, but in the nail care services as well. In 2020, we launched production of podiatry products and materials, which are in great demand in the market.

The VladMiVa Educational Center is a **new-generation institute** for professionals who use high-tech diagnostic equipment and treatment procedures. All our programs are focused on practicing dentists — we offer part-time education courses to acquire new knowledge in a rather flexible and convenient way.

***We are happy to offer you our services!***

# CONTENT

## FILLING MATERIALS

9

### COMPOSITE

DentLight.....	10
DentLight adhesive.....	11
DentLight universal .....	12
DentLight - aqua.....	12
DentLight - flow .....	13
DentLight color-corrector.....	14
DentLight - COR.....	14
DentLight gingival mass.....	15
DentLight modeling agent.....	15
Compocem.....	16
Tempophot.....	17

### GLASS IONOMER (GLASSPOLYALKENATE)

Argecem.....	17
Cemilight.....	18
CemiLine.....	19
CemiLine - LC.....	19
Cemion-Aqua.....	20
Cemion-Aqua ART.....	20
Cemion.....	21
Cemion - ART.....	21
Cemion (Kaleidoscope series) .....	22

### COMPOMER

Izoline.....	22
--------------	----

### ZINC-SULFATE

Dentin-paste.....	23
Dentin-powder.....	23

### ZINC-PHOSPHATE

Unicem, Unicem bactericidal.....	24
----------------------------------	----

### ZINCOXIDEEUGENOL

Eodent quick-hardening.....	24
-----------------------------	----

### SILICATE

Belacin.....	25
--------------	----

### SILICATE-PHOSPHATE

Beladont.....	25
---------------	----

### POLYCARBOXILATE

Belocor.....	26
--------------	----

## ENDODONTIC DENTAL MATERIALS

27

### PULP DEVITALIZATION

Devit - A.....	28
Devit - ARS.....	28
Devit - P.....	29
Devit - S.....	29
Pulpevit №1, №3.....	30
Pulpodent.....	31

# CONTENT

## ROOT CANAL THERAPY

Belodez (hypochlorite Na 3%, 5,2% and 10%).....	32
Belodez activator.....	32
BelSol №2.....	33
Belagel - 0 endo.....	33
Color-test №4.....	34
Solvadent №3.....	34
Solvadent №1, №2.....	35
EndoGel.....	36
EndoZhy.....	37

## ROOT CANALS TEMPORARY OBTURATION

Apexdent.....	38
Iodent non-hardening.....	39
Calcevit powder.....	39
Calcesept.....	40
Cuprodent.....	41
Cresodent - VladMiVa liquid.....	42
EndAsept.....	42
Phosphadent-Bio.....	43
Pulpevit №2.....	43

## ROOT CANAL PERMANENT OBTURATION

Compozem-Endo.....	44
Cresodent - VladMiVa paste.....	44
Eodent long-hardening.....	45
Iodent hardening.....	45
Oxident.....	46
Phosphadent.....	46
Resodent - VladMiVa.....	47
Sildent.....	47
Stiodent.....	48
Tident.....	48
Trioxident.....	49
Tricredent.....	50
Vident.....	50
Armodent.....	51

## TREATING DENTAL MATERIALS

53

### CALCIUM CONTAINING MATERIALS

Calcelight.....	54
Calcesil.....	54
Calcetate.....	55
Calcevit paste.....	55

### MATERIALS FOR GUM TREATING

Belaiod.....	56
BelSol №2, №3.....	56
FtorAsept.....	57
KP-Plast.....	57
Parasept.....	58
Parasept antiseptic.....	58
Vitadont.....	59

### HEMOSTATIC MATERIALS

Alumogel.....	59
Alumosil.....	60
Alvanes.....	60
Capramin.....	61
Re-Cord.....	61

### ANESTHETIC MATERIALS

Desensil-VladMiVa.....	62
Desensil-VladMiVa spray.....	63

### CHEMICAL-MECHANICAL PREPARATION OF CARIOUS CAVITIES

Caricleans.....	63
-----------------	----

# CONTENT

## MATERIALS FOR PERIODONTICS

64

## PROPHYLACTIC DENTAL MATERIALS

65

### MATERIALS FOR ORAL HYGIENE

Air-Cleans.....	66
Belagel-R.....	67
BelSol №1.....	67
Color-test №1, №2, №3.....	68
Polident set.....	68

### SENSITIVITY REMOVAL

Desensil-VladMiVa.....	69
Desensil-Active.....	69

### WHITENING MATERIALS

Belagel set.....	70
Belagel - O.....	70
Belagel - O white.....	71
Belagel - O light.....	71
Belagel - O active.....	72

### REMINERALIZING MATERIALS

Belagel - Ca/P.....	72
ColorDent.....	73
ColorDent-LC.....	73
Glufitored.....	74

### FLUORIZATING MATERIALS

Belak - F.....	74
Belagel - F.....	75
Nanofluor.....	75

### SILVERING OF TOOTH HARD TISSUES

Argenate.....	76
---------------	----

### FISSURE SEALANTS

Fissulight.....	76
Fisshim.....	78

## ATTENDANT DENTAL MATERIALS

79

### ADHESIVES

Belabond light-cured.....	80
Belabond chemically-cured.....	80

### LIQUID FOR DEFATTING AND DEHYDRATING TOOTH HARD TISSUE

Anhydrin.....	81
---------------	----

### MATERIALS FOR FILLINGS PROTECTION

Aksil.....	81
Aksil - LC.....	81

### ETCHING GELS

Gel for enamel and dentine etching on organic base.....	82
Set of gels for etching.....	82

### POLISHING MATERIALS

Polident №4.....	82
------------------	----

# CONTENT

## SURGICAL, OSTEOPLASTIC MATERIALS

83

### BIOMATERIALS FOR REGENERATION OF BONE TISSUES

Bioplast - Dent.....	84
Bioplast - Dent demineralized.....	85
Bioplast - Dent deproteinized.....	86
Klipdent (TCP/HAP,PL,KL,GL).....	87
Klipdent PL cosolvent.....	88
Klipdent periodontal.....	88
Klipdent - Cem.....	89
Klipdent - Cem binding.....	89

### BIOMATERIALS FOR REGENERATION OF SOFT TISSUES

Bioplast - Dent membrane.....	90
Bioplast - Dent collagen matrix.....	90
Klipdent-MC sponge.....	91
Klipdent-MC membrane.....	91

### ATTENDANT MATERIALS

Klipdent-MC biological glue.....	92
Klipdent-MC gel.....	92
Bioplast - Dent chondroitin sulfate gel.....	93
Bioplast - Dent chlorhexidine gel.....	93
KP - Plast plates.....	94
Sildent one-component.....	94

### HEMOSTATIC MATERIALS

Alvanes sponge.....	95
Bandage iodoform.....	96

## ORTHOPEDIC DENTAL MATERIALS

97

### IMPRESSION MATERIALS

Beloprint.....	98
Beloprint - Chromatic.....	98
Beloprint - Time.....	98
Belast.....	99
Masster.....	99

### MATERIALS FOR REPAIR AND MAKING OF ORTHOPEDIC CONSTRUCTIONS

Ceramgel.....	100
Tempocor.....	100

### MATERIALS FOR FIXATION

Armosplint.....	101
Cemion - F.....	102
Compofix.....	102
Orthofix - Aqua.....	103
Pectafix.....	103
Tempofix.....	104
Unicem - F.....	105

### LIQUIDS FOR PROCESSING OF PRODUCTS AND INSTRUMENTS

Megadez-Ortho.....	105
Orthosol.....	106



# CONTENT

## MATERIALS FOR DENTAL TECHNICIANS

107

### BASE RESINS

Belacryl.....109

Belflex.....114

### LIGHT-CURED POLYMERIC MATERIALS

Nolatek.....115

### DENTAL WAXES

Belowax.....120

### VARNISHES FOR DENTAL WORKS

Compelak.....123

Compelak S.....124

Isalgin.....124

Isospray.....124

### MATERIALS FOR PROCESSING AND POLISHING PRODUCTS

Belect.....125

Poliset.....125

### MOLDING MATERIALS

Beloform.....126

Belolit.....127

### MATERIALS FOR MAKING DENTAL PROSTHESIS

Otbel.....128

Ultropaline.....128

### SOLDERS AND ALLOYS

Fusible alloy.....129

Silver wire solder.....129

### CERAMIC CRUCIBLES

Ceramic crucibles.....130

## MATERIALS FOR PODOLOGY, NAIL CARE SERVICE AND COSMETOLOGY

134

## DIGITAL DENTAL MATERIALS

135

### ADDITIVE TECHNOLOGIES. 3D PRINTING

#### PHOTOPOLYMER MATERIALS

Nolatek 3D resins.....136

#### CAD/CAM SOFTWARE

##### DENTAL WAX

Belovax discs.....139

##### LIGHT-CURABLE COMPOSITE MATERIAL

Nolatek blocks.....139

##### METAL-FREE ZIRCONIUM OXIDE CERAMICS

Estcer discs .....140

# CONTENT

## DISINFECTANTS

143

Megadez - Cleaner.....	144
MegaSept.....	145
Megadez - Spray.....	146
Megadez - Forte.....	147
Megadez.....	148
Megadez - Vet.....	148
Megadez - Ortho.....	149

## DIAMOND INSTRUMENTS

150

Dental burs with diamond heads «RosBel».....	150
Dental diamond discs.....	152
Dental diamond discs (stones) .....	152
Liquid for cleaning diamond instruments (concentrate).....	153

## ALPHABETICAL INDEX OF DENTAL MATERIALS

154

# Filling materials

vvv  
VLADMIVA

## COMPOSITE

DentLight  
Compocem  
TempoPhot

## GLASS IONOMER (GLASS-POLYALKENATE)

Argecem  
Cemilight  
CemiLine  
CemiLine-LC  
Cemion-Aqua  
Cemion-Aqua-Art  
Cemion  
Cemion-Art

## ZINC-SULFATE

Dentine - paste  
Dentine - powder

## SILICATE-PHOSPHATE

Unicem  
Unicem (bactericidal)

## ZINCOXIDE EUGENOL

Eodent  
(quick-hardening)

## SILICATE

Belacin

## SILICATE-PHOSPHATE

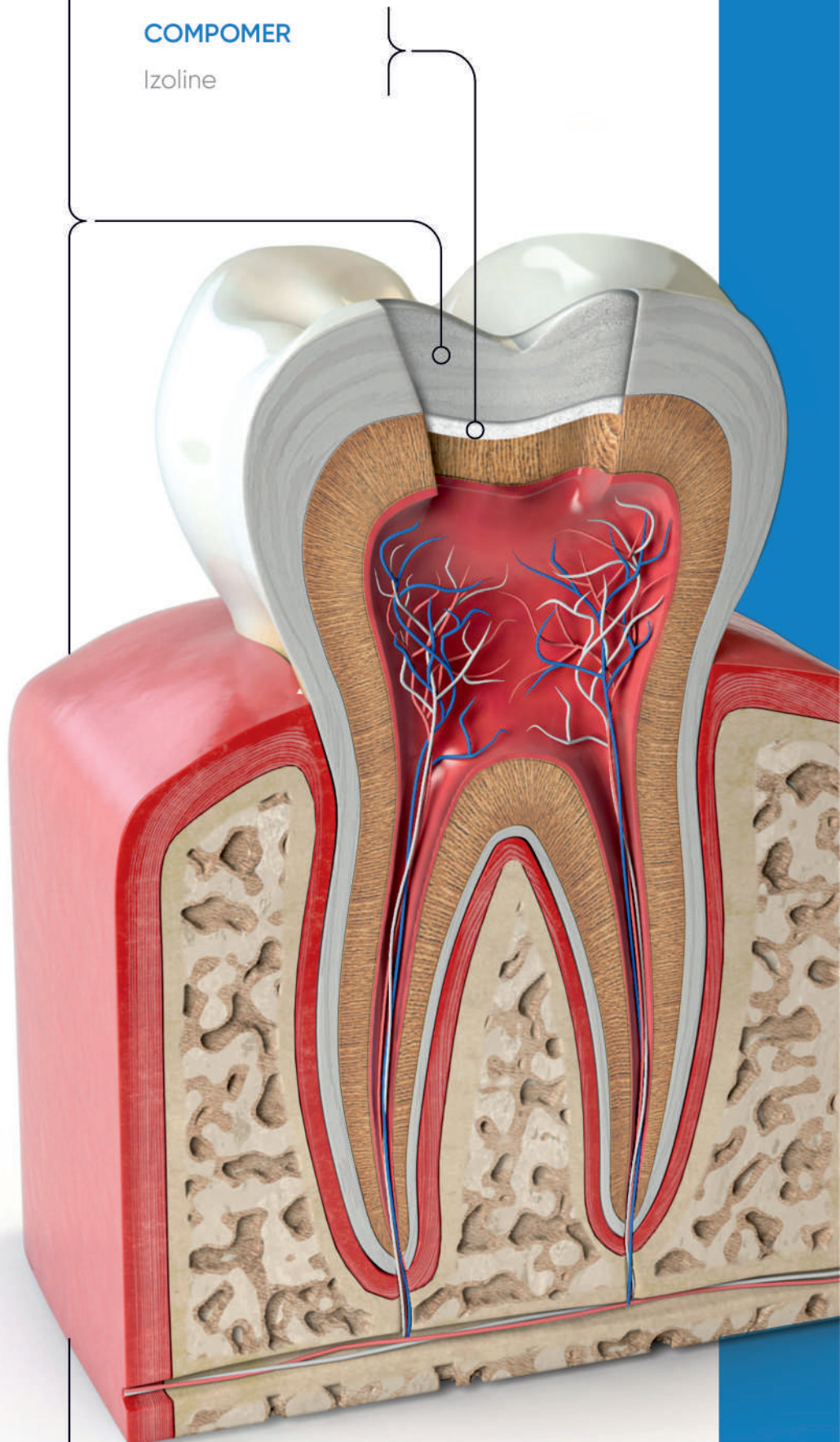
Beladont

## POLYCARBOXILATE

Belacor

## COMPOMER

Izoline



LIGHT-CURED MICROHYBRID NANOCUSTER COMPOSITE MATERIAL

DENTLIGHT



APPLICATION

- restoration of cavities on incisors and molars of any classes (I-V);
- tooth stump restoration;
- manufacturing of non-direct restorations (inlays, onlays, veneers);
- restoration of primary teeth;
- temporary repair of fractured metal ceramic restorations.

FEATURES

The microhybrid nanocluster composite material DentLight contains:

- high-strength polymer matrix that contains Bis-GMA, UDMA, TEGDMA and other oligomers;
- radiopaque nano-filler (80-85 wt.% or 62-65 vol.%) made of modified barium boron aluminosilicate clusters (0.1-3 μm) and nanosized silicon dioxide (5-75 nm), which is used to achieve the optimal result is a combination manufacturability, strength and aesthetics of the material. The composite is light-cured with the wavelength of 400-500 nm.

Microhybrid dental composite DentLight is very strong and durable. It has an increased color stability and high plasticity, which makes it easy to model.

**Opaque dentine (O)** blocks the light from passing through the restoration. It is the most opaque composite that is used to mask pigmented dentine. The material is used to restore dentine in multi-layer restorations (that are not polished to a mirror-like surface finish). Besides, it is used as an independent material for restoring tooth stumps.

**Dentine (D)** is more translucent and is used in both multi-layer and single-color restorations. Unlike opaque dentine, it may be polished to a "mirror-like surface finish".

**Enamel (E)** has a translucency that makes it look very similar to the natural tooth enamel. It has a color-shift effect and can be polished to a «mirror-like surface shine».

**The incisal edge** is the most transparent of all layers. It is used in multi-layer restoration technique to increase transparency and enhance the «depth effect» of the restoration. It can also be used separately. The material can be polished to a «mirror-like surface shine».

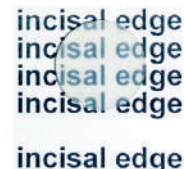
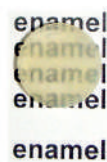
The organic polymer-based etching gel has optimum flowability and is completely washable with water. The gel contains a bactericidal substance benzalkonium chloride that removes surface tension and thus increases the penetrating ability of the etching component.

**DentLight is a one-component light-cured adhesive** that has a high penetrating ability, provides strong adhesion and reliable marginal fit during restoration due to its chemical interaction with tooth tissues and the hybrid layer formation.

**DentLight-flow** is a flowable composite that easily adapts to the cavity surface, provides complete surface hydration and a tight fit without any voids.

The composite has a wide color range at VITA scale and possesses four-level transparency for the imitation of dentine, enamel and incisal edge of the tooth.

Transparency level \ Tint	A1	A2	A3	A3.5	B1	B2	B3	C2	D2
Opaque dentine (O)	+	+	+	+	+	+	+	+	
Dentine (D)	+	+	+	+		+			
Enamel (E)	+	+	+	+	+	+		+	+
Incisal edge	transparent								



We manufacture composite pastes DentLight and DentLight-Flow of other shades:

Dentine shades:	<b>A1, A2, A3, A3.5, A4, B1, B2, B3, B4, C1, C2, C3, C4, D2, D3, D4</b>
Opaque shades:	<b>OA2, OA3, OA3.5, OA4, UO, UD</b>
Transparent shades:	<b>DT, CT, NT, ET4</b>
Incisal Shades:	<b>B, U, Y</b>
Opalescent shades:	<b>OTB, ONG</b>

**PACKAGING**

<b>(12 syringes)</b> Code 00000008199	Paste (OA2, OA3.5, OB3, DA2, DA3, DA3.5, EA1, EA2, EA3, EB2, ED2,incisal edge) - 4,5 g x 12 Fluid composite (A2) - 2 g, Adhesive one-component - 5 ml Organic enamel and dentine etching gel — 3 ml		
<b>(80 caps)</b> Code 00000052328	Paste (OA2, OA3.5, OB3, DA2, DA3, DA3.5, EA1, EB2, ED2,incisal edge) -0.25 g x 5 Paste (EA2, EA3) - 0.25 g x 10, Fluid composite (A2) - 0.25 g x 10 One-component adhesive material — 5 ml, organic enamel and dentine etching gel — 3 ml		
<b>(5 syringes)</b> Code 00000008198	Paste (OA3.5, DA3, EA2, EA3, EB2) - 4,5 g x 5, Fluid composite (A2) 2 g One--component adhesive material — 5 ml, organic enamel and dentine etching gel — 3 ml		
<b>(80 caps)</b> Code 00000051779	Paste (OA3.5, DA3, EA2, EA3, EB2) - 0,25 g x 80, Fluid composite (A2) 0,25 g x 10 One-component adhesive material — 5 ml, organic enamel and dentine etching gel — 3 ml		
Code 00000009242	(OA1) - 4,5 g	Code 00000032602	(DB2) - 4,5 g
Code 00000009293	(OA2) - 4,5 g	Code 00000032646	(DC2) - 4,5 g
Code 00000009294	(OA3) - 4,5 g	Code 00000018839	(EA1) - 4,5 g
Code 00000009295	(OA3,5) - 4,5 g	Code 00000009238	(EA2) - 4,5 g
Code 00000006464	(OB1) - 4,5 g	Code 00000010058	(EA3) - 4,5 g
Code 00000009296	(OB2) - 4,5 g	Code 00000034215	(EA3,5) - 4,5 g
Code 00000009297	(OB3) - 4,5 g	Code 00000009239	(EB1) - 4,5 g
Code 00000009298	(OC2) - 4,5 g	Code 00000009240	(EB2) - 4,5 g
Code 00000032598	(DA1) - 4,5 g	Code 00000046247	(EB3) - 4,5 g
Code 00000032599	(DA2) - 4,5 g	Code 00000009241	(EC2) - 4,5 g
Code 00000032600	(DA3) - 4,5 g	Code 00000036091	(ED2) - 4,5 g
Code 00000032601	(DA3,5) - 4,5 g	Code 00000046246	(ED3) - 4,5 g
Code 00000034598	(DB1) - 4,5 g	Code 00000008903	incisal edge - 4,5 g
		Code 00000067491	(OA1) - 4 g
		Code 00000067546	(OA2) - 4 g

Available in syringes and capsules

NOTE: A single dose of the product is ~0.1 g per a patient

ANALOGUES FOR USE  
Filtek Ultimate, Filtek-Z550, 3M ESPE, USA  
Charisma Diamond, Heraeus Kulzer, Germany

## DENTLIGHT ADHESIVE

## ONE-COMPONENT LIGHT-CURED ADHESIVE

**APPLICATION**

The product provides strong adhesion of light-cured composite materials with hard tissues.

**FEATURES**

DentLight is a one-component light-cured adhesive. It contains methacrylate oligomers (HEMA, UDMA), polymerization activators, stabilizers and solvents.

The product is a good desensitizer, it wets the dentine surface completely and easily penetrates into the dentinal tubules. The product contains polyfunctional monomers, which contribute to the formation of a chemical bond with the tooth tissues and the formation of retention polymer strands in the dentinal tubules.

DentLight forms a strong chemical adhesion, reliable marginal fit and reduces the risk of bacterial re-infection. It can be used in combination with any light-cured composite materials.

**PACKAGING**

Code 00000008905	Liquid - 5 ml
Code 00000053100	Liquid - 6 ml

NOTE: A single dose of the product is ~0.03 ml per a patient



ANALOGUES FOR USE  
One-step, Bisco, USA  
Single Bond, 3M ESPE, USA

COMPOSITE MICROHYBRID UNIVERSAL NANOCLUSTER LIGHT-cured MATERIAL

DENTLIGHT UNIVERSAL



APPLICATION

- restore (reconstruct) cavities in the anterior and posterior teeth;
- restore tooth stumps;
- prepare indirect restorations: inlays, onlays, veneers;
- restore primary teeth;
- temporary repair of fractured metal ceramic restorations.

FEATURES

The microhybrid nanocluster universal composite material DentLight contains:

- high-strength polymer matrix that contains Bis-GMA, UDMA, TEGDMA and other oligomers;
- radiopaque nano-filler (80-85 wt.% or 62-65 vol.%) made of modified barium boron aluminosilicate clusters (0.1-3 µm) and nanosized silicon dioxide (5-75 µm), which is used to achieve the optimal result is a combination manufacturability, strength and aesthetics of the material.

The composite is light-cured with the wavelength of 400-500 nm.

Microhybrid universal composite DentLight is very strong and durable. It has an increased color stability and high plasticity, which makes it easy to model.

The product is a mono-system with a uniform transparent opacity comparable to the intermediate transparency between dentine and enamel of traditional composites.

The product has seven shades in accordance with VITA shade system: UD, A1, A2, A3, A3,5, B2, C2.

The adhesive system contains an organic enamel and dentine etching gel and a fifth-generation one-component adhesive.

PACKAGING

<b>Universal set (7 syringes):</b>	Code 00000041026	Composite paste, shades UD, A1, A2, A3, A3,5, B2, C2 — 4.5 g x 7
		Single-component adhesive DentLight — 5 ml
		Organic enamel and dentine etching gel — 3 ml
Code 00000044196 (UD) - 4,5 g;	Code 00000044202 (A3,5) - 4,5 g	Code 00000063657 (UD) - 4 g
Code 00000044199 (A1) - 4,5 g;	Code 00000051392 (B1) - 4,5 g	Code 00000058605 (A2) - 4 g
Code 00000044197 (A2) - 4,5 g;	Code 00000044198 (B2) - 4,5 g	Code 00000058606 (A3) - 4 g
Code 00000044201 (A3) - 4,5 g;	Code 00000044200 (C2) - 4,5 g	Code 00000057849 (A1-caps) - 0,25 g x 20
		Code 00000057849 (A2-caps) - 0,25 g x 20
		Code 00000057849 (A2-caps) - 0,25 g x 20

NOTE: A single dose of the product is ~0.1 g per a patient

ANALOGUES FOR USE  
 Filtek-Z550, 3M ESPE, Filtek Ultimate, 3M ESPE, USA  
 Charisma Diamond, Heraeus Kulzer, Germany

MOISTURIZING AGENT

DENTLIGHT - AQUA



APPLICATION

Additional moisturizing of dentine before applying hydrophilic adhesive systems.

FEATURES

DentLight-Aqua is a moisturizing agent in the form of an aqueous solution of hydroxyethyl methacrylate (HEMA).

DentLight-Aqua keeps the dentine surface moistened, preventing the decay of the collagen fibers and increasing their permeability to hydrophilic (acetone-or alcohol-containing) adhesive resins. DentLight-Aqua effectively moisturizes the dentine surface and creates a zone suppression of caries in the adjacent tooth tissues.

PACKAGING

Code 00000009304 Liquid - 5 ml

NOTE: A single dose of the product is ~0.05 ml per a patient

ANALOGUES FOR USE  
 AQUA-PREPF, Bisco, USA

## DENTLIGHT – FLOW

### LIGHT-CURED FLUID NANOCUSTER COMPOSITE MATERIAL

#### APPLICATION

- lining used in composite fillings;
- fill cavities of classes V and III;
- restore slight enamel defects;
- seal fissures;
- splint loose teeth with reinforcing glass fiber;
- repair slight defects in ceramic components and indirect composite restorations;
- esthetic correction of composite restorations.



#### FEATURES

DentLight-flow is a flowable composite nanocluster material. It is a low-viscosity light-cured paste that contains methacrylate oligomers and modified fine nano-fillers. The radiopaque filler consists of modified barium boron aluminosilicate clusters (0.1-3 µm) and nanosized silicon dioxide (5-75 nm).

The flowable composite is available in different VITA shades (A2, A3, A3.5, B2, C2, OA3 and translucent/incisal).

The product has an optimal fluidity, it easily adapts to the cavity surface, provides complete surface hydration and a tight fit without any voids.

DentLight-flow is compatible with all light-cured composites and compomers, which makes it a universal solution in cases where material combinations are required.

Direct-application tips included in the supply allow easy and precise application of the material into the prepared cavity

#### PACKAGING

##### Syringes

Code 00000041366	Paste (A1)	- 2 g
Code 00000008904	Paste (A2)	- 2 g
Code 00000009299	Paste (A3)	- 2 g
Code 00000009300	Paste (A3,5)	- 2 g
Code 00000047096	Paste (A4)	- 2 g
Code 00000010059	Paste (B2)	- 2 g
Code 00000010060	Paste (C2)	- 2 g
Code 00000032709	Paste (OA3)	- 2 g
Code 00000052331	Paste gold	- 2 g
Code 00000052332	Paste orange	- 2 g
Code 00000052333	Paste red	- 2 g
Code 00000052334	Paste green	- 2 g
Code 00000052335	Paste blue	- 2 g

##### Syringes

Code 00000055551	
Code 00000055552	
Code 00000055553	
Code 00000055555	
Code 00000055554	
Code 00000062706	
Code 00000055550	
<b>Capsules</b>	
Code 00000052336	
Code 00000052337	
Code 00000052338	
Code 00000052339	
Code 00000052340	
Code 00000052341	

Paste (A2)	- 2 g x 2
Paste (A3)	- 2 g x 2
Paste (A3,5)	- 2 g x 2
Paste (B2)	- 2 g x 2
Paste (C2)	- 2 g x 2
Paste (OA2)	- 2 g x 2
Paste (OA3)	- 2 g x 2

Paste (A2)	- 0,25 g x 20
Paste (A3)	- 0,25 g x 20
Paste (A3,5)	- 0,25 g x 20
Paste (B2)	- 0,25 g x 20
Paste (C2)	- 0,25 g x 20
Paste (OA3)	- 0,25 g x 20

NOTE: A single dose of the product is ~0.1 ml per a patient

ANALOGUES FOR USE  
Aelite Flo, Bisco, USA  
Filtek Flow, 3M ESPE, USA

## DENTLIGHT – FLOW

### series for pediatric dentistry

#### APPLICATION

- restoration of defects of natural tooth tissues;
- fissures sealing;
- splint fixation;
- temporary bite compensation;
- short-term interdental replacement;
- marking of the root canal orifices.

#### FEATURES

Fluid composite DentLight-flow is a low-viscosity light-cured paste based on a polymer binder and a modified radiopaque **nano-filler**. This composite paste is available in transparent form and in different colors: white, orange, red, gold, green, and blue. It is versatile and can be combined with all light-cured composites.

#### PACKAGING

<b>Set 7 colors</b>	Code 00000046696	Composite paste of various colors (white, gold, orange, red, green, blue, transparent) 2 g x 7 Organic etching gel – 3 ml
<b>(7 syringes)</b>		
<b>Set 7 colors</b>	Code 00000053280	Composite paste of various colors (white, gold, orange, red, transparent) – 0.25 g x 10 Composite paste of various colors (green, blue, ) – 0.25 g x 15 Organic etching gel – 3 ml; Adhesive – 5 ml; Dispenser – 1 pc
<b>(7 capsules)</b>		

NOTE: A single dose of the product is ~0.1 ml per a patient



ANALOGUES FOR USE  
Aelite Flo, Bisco, USA  
Filtek Flow, 3M ESPE, USA

## LIGHT-CURED COLOR-CORRECTOR

## DENTLIGHT COLOR-CORRECTOR



## APPLICATION

Creation of shades and tinting of various parts of the composite restoration (incisal edge, gingival margin, fissures, etc.).

## FEATURES

Color-corrector DentLight is a low-viscosity intensely colored light-cured micro-filled composite pastes of different colors. It is compatible with all light-cured restorative composites.

DentLight color-corrector is used to expand color range of restoration materials and provides a more natural look of the restoration.

## PACKAGING

Code 00000055294	3 colors set (white, brown, ochre)	- 1 ml x 3
Code 00000008906	Paste (white)	- 1 ml
Code 00000009301	Paste (brown)	- 1 ml
Code 00000009302	Paste (ochre)	- 1 ml

## ANALOGUES FOR USE

Biscolor, Bisco, USA  
Tetric color, Ivoclar Vivadent, Liechtenstein  
Kolor plus, Keer, USA

**NOTE:** A single dose of the product is ~ 0.03 ml per a patient

## COMPOSITE MATERIAL FOR TOOTH STUMP RESTORATION

## DENTLIGHT - COR



## APPLICATION

Tooth stump restoration.

## FEATURES

DentLight-Cor is a low-viscosity light-cured paste based on methacrylate oligomers and a modified fine nano-filler. The powdered radiopaque filler contains zirconium oxide and has a special multi-level particle size distribution from 0.02 to 0.7 µm. It helps to achieve the best results through a combination of manufacturability, stability and aesthetics.

DentLight-Cor composite has a dual curing mechanism (chemical and light) and is available in the form of two pastes (base and catalytic). The base paste can be used separately as a light-cured composite. Composite material DentLight-Cor is very strong and durable. It has an increased color stability and high plasticity, which makes it easy to model.

## PACKAGING

Code 00000032603	Basic paste - 4.5 g; Catalytic paste - 4.5 g
------------------	--

## ANALOGUES FOR USE

Sbalacore DC, PD, Switzerland  
LuxaCore Dual, DMG, Germany  
Bis-Core, Bisco, USA  
Multi-Core HB, Ivoclar Vivadent, Liechtenstein

**NOTE:** A single dose of the product is ~ 0.1 g per a patient



## DENTLIGHT GINGIVAL MASS

### LIGHT-CURED GUM COLOR COMPOSITE

#### APPLICATION

Cosmetic correction of the recession of the gingival margin with wedge-shaped defects in the cervical area, and with gum retention:

- filling of defects of class V according to G.V. Black Classification (cervical caries, root erosion, wedge-shaped defects) with periodontal atrophy;
- covering of exposed cervical margin with hyperesthesia, especially in the visible frontal area;
- aesthetic correction at improper teeth positioning during the installation of veneers, improvement of the esthetics of the gingival sulcus.

#### FEATURES

Fluid composite DentLight gingival mass is a flowable composite nanocluster material. It is a low-viscosity light-cured paste that contains methacrylate oligomers and modified fine nano-fillers. The radiopaque filler consists of modified barium boron aluminosilicate clusters (0.1-3  $\mu\text{m}$ ) and nanosized silicon dioxide (5-75 nm).

The microhybrid composite DentLight gingival mass is based on a high-strength polymer matrix containing Bis-GMA, urethane and other oligomers, and a modified finely dispersed inorganic filler (about 80 wt.%). The composite is light-cured with the wavelength of 400-500 nm. The powdered radiopaque filler has a special multi-level particle size distribution from 0.02 to 0.7  $\mu\text{m}$ . It helps to achieve the best results through a combination of manufacturability, stability and aesthetics.

#### PACKAGING

Code 00000045731      Composite paste - 4,5 g  
Fluid composite - 2 g



## DENTLIGHT MODELING AGENT

### MODELING LIQUID

#### APPLICATION

The product is used to wet contouring tools and art brushes to facilitate using the highly filled composite materials.

#### FEATURES

DentLight Modeling Agent is a light-cured material that contains methacrylate oligomers, polymerization activators, stabilizers, nano-filler. It does not contain any solvents. The material helps to eliminate the stickiness of the uncured composite material to the tools used, which improves the adaptation of highly filled composites to the hard tissues, as well as in the layer-by-layer composite applying technique.

#### PACKAGING

Code 00000053101      Liquid - 5 ml



TWO COMPONENT CHEMICALLY-CURED  
COMPOSITE MATERIAL

## COMPOCEM



Compozem is available as:

- **powder-liquid;**
- **paste-paste.**

## APPLICATION

- filling carious cavities of classes II, III, IV, V;
- tooth stump restoration;
- splint fixation.

## Contraindications:

The material may not be used with eugenol-containing materials. Some of its components can cause allergic reactions or increased sensitivity.

## FEATURES

**Compozem (powder+liquid)** is a two-component composite material. The powder is a colored fine filler containing a curing initiator; the liquid contains bisphenol glycidyl methacrylate, triethylene glycol dimethacrylate, and a polymerization activator. Compozem is a composite material that has a number of specific properties that favorably distinguish it from other filling cements:

- high mechanical strength;
- stability and low solubility in oral liquid;
- minimal shrinking at hardening;
- identity with tooth tissues (color, durability for abrasion).

Powders of different colors (A2, A3, B2, C2 according to the VITA scale) make it possible to select a material that is as close as possible in optical characteristics to the natural tooth tissues.

**Compozem (paste+paste)** is a composite based on methacrylate oligomers (bis-GMA, TEG-DMA) and a modified finely dispersed inorganic filler (up to 80% wt).

Compozem is available in the form of two pastes (base and catalytic) of different VITA shades (A2, A3, B2). The filling material obtained as a result of mixing equal volumes of both pastes has high stability, high mechanical strength and low solubility in the oral fluid. It is also resistant to abrasion. The chemically cured adhesive ensures a perfect marginal seal.

Compozem meets the following requirements:

- Min. bending strength is 70 MPa;
- Min. strength at diametrical rupture is 34 MPa;
- Min. bond strength with dental hard tissues is 7 MPa;
- Max. water absorption is 50 mcg/mm<sup>3</sup>;
- Max. water solubility is 5 µg/mm<sup>3</sup>;

Features:

- Curing time: ≤ 5 min,
- Time of use: ≥ 1.5 min,
- can be polished to a mirror-like surface finish

## PACKAGING

Powder+liquid  
Paste+paste

Code 00000013443  
Code 00000032604

Powder(A2) - 40 g, (A3, B2, C2) - 10 g x 3, Liquid - 26 g, Enamel etching gel – 7 g x 2  
Basic paste (A2) - 14 g, Catalyst paste - 14 g, Enamel etching gel - 5 ml  
Adhesive (liquid №1) - 5 ml, Adhesive (liquid №2) - 5 ml

## Paste+paste

Available colors: A3, B2  
Code 00000032604

Base paste (A2) – 28 g, Catalyst paste – 28 g, Enamel etching gel - 5 ml  
Adhesive (liquid №1) - 5 ml, Adhesive (liquid №2) - 5 ml

Available colors A3, B2

**NOTE:** A single dose of the product is ~ 0.1-0.3 g per a patient

ANALOGUES FOR USE  
Evicrol, Spofa Dental, Czech Republic  
Charisma PPF, Heraeus kulzer, Germany  
Compolite plus, Super Dent, Composite, Alpha Dent, Prime Dent, Prime Dental, USA

## TEMPOPHOT

### LIGHT-CURED COMPOSITE MATERIAL FOR TEMPORARY FILLING

#### APPLICATION

- temporary filling material;
- treat caries, cover the drug in the tooth cavity;
- close cavities prepared for restoration with ceramic or composite inlays/onlays;
- seal dental abutment parts before cement fixation.



#### FEATURES

TempoPhot is a light-cured composite material based on polyurethane-acrylate and fine-dispersed filler.

TempoPhot is available as a paste (**transparent** and **blue**), which consists of light-cured activators; stabilizers; additives for optimal consistency

TempoPhot has balanced hardness and elasticity, which ensures the stability of temporary fillings and provides for an easy and residue-free removal of material from the cavity with manual tools (without drilling).

TempoPhot is available in 2 consistencies: **high viscosity** and **low viscosity**.

**High viscosity** paste TempoPhot is well modeled and suitable for long-term fillings.

**Low viscosity** paste TempoPhot has an optimal fluidity and easily adapts to the cavity walls, providing the perfect marginal seal and good hermetization.

#### PACKAGING

##### Syringes:

<b>High viscosity</b>	Code 00000009196	Paste (transparent)	- 3 g
	Code 00000041093	Paste (blue)	- 3 g
<b>Low viscosity</b>	Code 00000041024	Paste (transparent)	- 1,5 g x 2
	Code 00000041025	Paste (blue)	- 1,5 g x 2

##### Capsules:

<b>High viscosity</b>	Code 00000052569	Paste (transparent)	- 0,25 g x 20
	Code 00000000000	Paste (blue)	- 0,25 g x 20
<b>Low viscosity</b>	Code 00000052329	Paste (transparent)	- 0,25 g x 20
	Code 00000052330	Paste (blue)	- 0,25 g x 20

**NOTE: A single dose of the product is ~ 0.03 g per a patient**

**ANALOGUES FOR USE**  
Temp it, Spident, South Korea  
Clip, VOCO, Germany  
Cimpat LC, Septodont, France

## ARGECEM

### GLASS IONOMER SILVER CONTAINING RADIOPAQUE CEMENT

#### series for pediatric dentistry

#### APPLICATION

- fill primary teeth;
- model tooth stumps before crowning;
- treat permanent teeth (cavities of class I);
- pre-treat root canals;
- line under different types of filling materials;
- seal perforations in tooth furcation area;
- seal fissures.



#### FEATURES

Argecem contains fine silver particles, which increase cement solidity and abrasion stability, improve its strength characteristics and ensure its radiopacity.

Argecem is characterized by chemical adhesion to dentine and enamel, low solubility, release of fluorine and silver ions, which prevents secondary caries. The material meets the requirements of ISO 9917-1:2007

Silver gives Argecem a gray shade, which excludes its use in the group of frontal teeth due to their possible staining.

#### PACKAGING

Code 00000001728 Powder - 20 g, Liquid - 10 ml, Conditioner - 10 ml, Varnish - 10 ml

**NOTE: A single dose of the product is ~ 0.25 g per a patient**

**ANALOGUES FOR USE**  
Alpha Silver, DMG, Germany  
Argion, VOCO, Germany  
Ketac Silver, 3M ESPE, Germany  
Miracle Mix, GC, Japan

LIGHT-CURED GLASS  
POLYALKENATE CEMENT

## CEMILIGHT



## APPLICATION

- restore carious cavities (classes I and II);
- restore primary teeth (all classes);
- fill cavities of class V (if aesthetic requirements are not the priority);
- treat non-carious defects of dental hard tissues (wedge shaped defects, enamel erosion);
- as isolating pad under permanent filling made of composites and amalgams.

## Contraindications:

Hypersensitivity or allergic reactions to individual components of the product. Not recommended for direct pulp capping.

## FEATURES

Glass-polyalkenate dental cement Cemilight is available as a set, which contains a powder and a liquid, which are mixed together to obtain dental material. The product also has auxiliary components, such as a conditioner designed to enhance the cement bond to the tooth tissues, and a varnish to protect the cement from moisture during the curing process.

Cemilight (powder+liquid) contains aluminofluorosilicate glass, dyes (pigments), polyacrylic acid, 2-hydroxyethyl methacrylate, glycerol dimethacrylate, camphorquinone, p-methoxyphenol, butylhydroxytoluene, water. The conditioner contains polyacrylic acid, water, methylene blue, and benzalkonium chloride (max. 0.5%). The light-cured varnish contains methacrylate oligomers (diurethane dimethacrylate, polyethylene glycol dimethacrylate, trimethylol propane trimethacrylate), camphorquinone, p-methoxyphenol, hexadecylammonium fluoride, isopropyl alcohol.

Cemilight powder is a fine aluminofluorosilicate glass containing a radiopaque additive. It is available in different color shades (A2, A3, B2, C2 according to the VITA scale). The liquid is a composition of an aqueous solution of polyacrylic acid and oligomers containing light polymerization initiators. Aluminosilicate glass reacts with polyacrylic acid and forms a cement structure capable of releasing fluorine ions, which effectively prevents the development of secondary caries. The photopolymerization reaction, initiated by visible light, strengthens the material at the initial stage of structuring.

Cemilight has a high chemical affinity for both polymer materials and dental tissues, and ensures a reliable marginal fit.

## Features:

- Time of use:  $\geq 1.5$  min;
- sensitivity to ambient light:  $\geq 30$  seconds;
- curing time (in the absence of activating radiation): 4 to 60 minutes;
- curing depth:  $\geq 1$  mm;
- opacity: 0.35 to 0.90;
- min. bending strength: 20 MPa (restorations) and 10 MPa (linings/ pads);
- radiopacity of the product is equivalent to a 1 mm thick aluminum layer.

## PACKAGING

Code 00000002147	Powder (A2) - 20 g; (A3, B2, C2) 10 g x 3; Liquid - 10 ml x 2; Conditioner - 15 ml; Varnish «Aksil-LC» - 7 ml
Code 00000002624	Powder (A2) - 20 g, Liquid - 10 ml, Conditioner - 10 ml, Varnish «Aksil-LC» - 5 ml
Code 00000002146	Powder (A3) - 20 g, Liquid - 10 ml, Conditioner - 10 ml, Varnish «Aksil-LC» - 5 ml
Code 00000002625	Powder (B2) - 20 g, Liquid - 10 ml, Conditioner - 10 ml, Varnish «Aksil-LC» - 5 ml
Code 00000025793	Powder (C2) - 20 g, Liquid - 10 ml, Conditioner - 10 ml, Varnish «Aksil-LC» - 5 ml

**NOTE:** A single dose of the product is ~ 0.35 g per a patient

ANALOGUES FOR USE  
Photac Fil, 3M Espe, Germany  
Ionolux, VOCO, Germany  
GC Fuji II LC Improved, GC, Japan

## CEMILINE

### CHEMICALLY-CURED GLASS IONOMER LINING CEMENT

#### APPLICATION

- secondary caries prevention;
- as isolating or basic lining under permanent filling made of composites and amalgams;
- temporary filling at postponed treatment of complicated caries forms;
- seal fissures.



#### FEATURES

Filling material CemiLine is available as a powder+liquid set. Powder is fine silicate fluoaluminic glass with **increased contents of fluorine**, liquid is solution of modified polyacrylic acid. The prolonged release of fluorine ions promotes remineralization of softened dentine, has a bactericidal effect, and effectively prevents the development of secondary caries.

CemiLine has a high biocompatibility with dental tissues, mechanical stability, and high radiopacity. Strong bond to enamel and dentine provides tight marginal seal. CemiLine protects the tooth pulp and dentine from chemical, bacterial and thermal effects.

#### PACKAGING

Code 00000007358 Powder - 20 g, Liquid - 10 ml, Conditioner - 10 ml

**NOTE:** A single dose of the product is ~0.25-0.30 g per a patient

ANALOGUES FOR USE  
GC Fuji Lining Cement, GC, Japan

## CEMILINE-LC

### GLASS IONOMER LIGHT-CURED LINING CEMENT

#### APPLICATION

- prevention of secondary caries;
- as basic and isolating lining under permanent filling made of composites and amalgams;
- temporary filling at postponed treatment of complicated caries forms.



#### FEATURES

CemiLine-LC is available as a powder+liquid set. CemiLine-LC powder is fine silicate fluoaluminic glass with **increased contents of fluorine**. CemiLine-LC liquid is an aqueous solution of polyacrylic acid, oligomers and light polymerization initiators.

The cement has pronounced anti-caries and bactericidal properties, promotes remineralization of softened dentine (due to increased fluoride release). High chemical similarity to both polymer materials and tooth tissues provides tight marginal seal. The reaction of photopolymerization, initiated by visible light, makes the material strong enough at the initial stage of structuring.

#### PACKAGING

Code 00000007327 Powder - 20 g, Liquid - 10 ml, Conditioner - 10 ml

**NOTE:** A single dose of the product is ~ 0.35 g per a patient

ANALOGUES FOR USE  
GC Fuji Lining LC, GC, Japan

GLASS IONOMER  
WATER-CURED CEMENT

## CEMION – AQUA



## APPLICATION

- fill cavities of classes I and II;
- fill primary teeth (all classes);
- fill cavities of class V (if aesthetic requirements are not the priority);
- treat non-cariou defects of dental hard tissues (wedge shaped defects, enamel erosion);
- make temporary fillings;
- model tooth stumps before crowning;
- use as a lining for fillings made of composites and amalgams;
- seal fissures.

## FEATURES

Cemion-Aqua powder contains fluoro-aluminum glass and polyacrylic acid. It is mixed with distilled water resulting in the obtainment of filling cement featuring rapid hardening and good bond to enamel and dentine and tight marginal seal.

Cemion-Aqua has a high biological compatibility with dental tissues and a low solubility. The prolonged anti-caries effect is provided by fluoride ions.

Cemion-Aqua is available in four VITA shades (A2, A3, B2 and C2).

## PACKAGING

Code 00000006950	Powder (A2) - 20 g, (A3,B2,C2) 10 g x 3 pc; Conditioner - 15 ml, Varnish - 15 ml
Code 00000007205	Powder (A2) - 20 g; Conditioner - 10 ml; Varnish - 10 ml
Code 00000004089	Powder (A3) - 20 g; Conditioner - 10 ml; Varnish - 10 ml
Code 00000021533	Powder (B2) - 20 g; Conditioner - 10 ml; Varnish - 10 ml
Code 00000011082	Powder (C2) - 20 g; Conditioner - 10 ml; Varnish - 10 ml

**NOTE:** One dose of material per one patient ~ 0.25 g

ANALOGUES FOR USE  
Aqua Ionofil plus, VOCO, Germany  
ChemFil Superior, Dentsply, USA

## WATER-CURED GLASS IONOMER CEMENT

## CEMION – AQUA – ART



## APPLICATION

- fill cavities of classes I and II;
- fill primary teeth (all classes);
- fill cavities of class V (if aesthetic requirements are not the priority);
- treat non-cariou defects of dental hard tissues (wedge shaped defects, enamel erosion);
- model tooth stumps before crowning;
- use as a lining for fillings made of composites and amalgams;
- seal fissures.

The product is used for atraumatic restorative treatment of dental caries (ART method) in dentistry, including pediatric dentistry, and provides for filling the cavity without preparation (after necrectomy using an explorer) with a strong adhesive material that has an anti-caries effect.

## FEATURES

Radiopaque water-cured glass ionomer Cemion-Aqua-ART is a fine powder containing fluoroaluminum glass, modifying additives and polyacrylic acid. Mix the powder with distilled water to get a filling cement with a tight marginal fit and strong bond to enamel and dentine.

The material has a high biocompatibility with dental tissues, stability, and low solubility. The prolonged anti-caries effect is provided by the released fluoride ions. Cemion-Aqua-ART is available in four VITA shades (A2, A3, B2 and C2).

## PACKAGING

Code 00000026003	Powder (A2) - 20 g, Conditioner - 10 ml, Varnish - 10 ml
Code 00000003522	Powder (A3) - 20 g, Conditioner - 10 ml, Varnish - 10 ml
Code 00000026005	Powder (B2) - 20 g, Conditioner - 10 ml, Varnish - 10 ml
Code 00000026006	Powder (C2) - 20 g, Conditioner - 10 ml, Varnish - 10 ml

**NOTE:** A single dose of the product is ~0.40 g per a patient

ANALOGUES FOR USE  
Ceramil ART, PSP Dental, UK

## CEMION

### UNIVERSAL GLASS IONOMER CEMENT

#### APPLICATION

- restore primary teeth (all classes);
- fill cavities of classes I and II;
- fill cavities of class V (if aesthetic requirements are not the priority);
- treat non-carious defects of dental hard tissues (wedge shaped defects, enamel erosion);
- make temporary fillings with long-term treatment;
- seal fissures;
- build up tooth stumps and restore the destroyed tooth structure before crowning;
- use as a lining for fillings made of composites and amalgams.



#### FEATURES

The radiopaque chemically-cured glass ionomer cement Cemion makes a strong bond with enamel and dentine. Mix the Cemion powder and liquid to get cement. The Cemion powder is a fine fluoro-aluminum glass powder. The liquid is a water solution of modified polyacrylic acid.

Immediately after mixing the powder and liquid, a glass ionomer reaction begins, accompanied by the release of fluorine ions, which strengthen the dentine, have a bactericidal effect and prevent the formation of secondary caries.

Cemion is a radiopaque cement that is highly biocompatible with tooth tissues, durable and resistant to acid erosion. Besides,

#### PACKAGING

Code 00000001565	Powder (A2) - 20 g, (A3, B2, C2) 10 g x 3; Conditioner - 15 ml; Liquid - 13 ml x 2; Varnish - 15 ml
Code 00000001197	Powder (A2) - 20 g, Liquid - 10 ml, Conditioner - 10 ml, Varnish - 10 ml
Code 00000001334	Powder (A3) - 20 g, Liquid - 10 ml, Conditioner - 10 ml, Varnish - 10 ml
Code 00000001335	Powder (B2) - 20 g, Liquid - 10 ml, Conditioner - 10 ml, Varnish - 10 ml
Code 00000005072	Powder (C2) - 20 g, Liquid - 10 ml, Conditioner - 10 ml, Varnish - 10 ml
Code 00000001336	Powder (C4) - 20 g, Liquid - 10 ml, Conditioner - 10 ml, Varnish - 10 ml

**NOTE: A single dose of the product is for one patient**  
The product is available in two concentrations: ~ 0.18 to 0.30 g, and 0.7 g

**ANALOGUES FOR USE**  
Ionofil, VOCO, Germany  
Ketac Fil Plus, 3M Espe, Germany  
Fuji-II, GC, Japan

## CEMION - ART

### UNIVERSAL GLASS IONOMER CEMENT

The product is used for **atraumatic restorative treatment of dental caries (ART method)** using a handle that treats the carious cavity and minimal use of a drill. The ART method is used in dentistry including pediatric dentistry.

#### APPLICATION

- fill primary teeth (all classes);
- fill cavities of classes I and II;
- fill cavities of class V (if aesthetic requirements are not the priority);
- use as a lining for fillings made of composites and amalgams;
- model tooth stumps before crowning;



#### FEATURES

«Cemion»-ART glass-ionomer chemically-cured radiopaque cement specially manufactured for treatment according to ART method.«Cemion»-ART powder is fine fluoroaluminum silicate glass containing modifying agents. «Cemion»-ART liquid is water solution of polyacrylic acid. After mixing powder and liquid, quick-hardening filling material is obtained.

The material features good chemical adhesion to enamel and dentine, high compression strength, stability to acidic erosion. The anti-carious effect is provided due to the prolonged fluorine release.

#### PACKAGING

Code 00000003525	Powder (A2) - 20 g, Liquid - 10 ml, Conditioner - 10 ml, Varnish - 10 ml
Code 00000025794	Powder (A3) - 20 g, Liquid - 10 ml, Conditioner - 10 ml, Varnish - 10 ml
Code 00000025795	Powder (B2) - 20 g, Liquid - 10 ml, Conditioner - 10 ml, Varnish - 10 ml
Code 00000025796	Powder (C2) - 20 g, Liquid - 10 ml, Conditioner - 10 ml, Varnish - 10 ml
Code 00000053102	Powder (A2) - 15 g, Liquid - 6.4 ml (8 g)
Code 00000055289	Powder (A3) - 15 g, Liquid - 6.4 ml (8 g)

**NOTE: A single dose of the product is ~ 0.25 g per a patient**

**ANALOGUES FOR USE**  
Ketac Molar Art, 3M Espe, Germany  
Fuji-IX, GC, Japan

UNIVERSAL GLASS  
IONOMER CEMENT

CEMION



«KALEIDOSCOPE» series for pediatric dentistry

APPLICATION

Restore primary teeth (mainly cavities of classes I and II).

FEATURES

Cemion is a traditional chemically-cured glass ionomer cement. To get the filling material, mix the Cemion powder and liquid. The powder is a fine aluminofluorosilicate glass, the liquid is a water solution of modified polyacrylic acid. The powder and liquid mixed together form a strong filling material that has chemical adhesion to dentine and enamel. Its anticaries effect is provided due to the prolonged fluoride release. The prolonged fluoride release strengthens dentine, has a bactericidal effect and prevents the development of secondary caries.

Glass ionomer cement Cemion has high biological compatibility with dental tissues, high compressive strength ( $\geq 130$  MPa), resistance to acid erosion ( $\leq 0.05$  mm/h), opacity of 0.35 to 0.90, radiopacity equivalent to a 1-mm thick layer of aluminum. Cemion provides a reliable marginal fit, and its bright color facilitates visual control of the seal integrity. The product is available in four bright colors: **blue, yellow, green and crimson.**

PACKAGING

Code 00000008907	Powder blue, yellow, green, crimson - 15 g x 4, Liquid - 13 ml x 2, Conditioner - 15 ml, Varnish - 15 ml
Code 00000010288	Powder yellow - 20 g, Liquid - 10 ml, Conditioner - 10 ml, Varnish - 10 ml
Code 00000010289	Powder green - 20 g, Liquid - 10 ml, Conditioner - 10 ml, Varnish - 10 ml
Code 00000010291	Powder crimson - 20 g, Liquid - 10 ml, Conditioner - 10 ml, Varnish - 10 ml
Code 00000010290	Powder blue - 20 g, Liquid - 10 ml, Conditioner - 10 ml, Varnish - 10 ml

NOTE: A single dose of the product is ~ 0.7 g per a patient

ANALOGUES FOR USE  
Ionofil Color AC, VOCO, Germany

LIGHT-CURED LINING  
COMPOMER MATERIAL

IZOLINE



APPLICATION

Use as a lining (indirect isolation of a pulp) under composite restorations.

FEATURES

Izoline is a one-component light-cured radiopaque compomer material. It contains hydroxyapatite, glass ionomer filler, polymer binder, initiators and polymerization activators.

Izoline has fluoro-release, stability, low solubility, thermal insulation properties, and chemical affinity to polymer materials, which results in a high degree of adhesion to composites. Izoline is used to compensate for the internal pressure that occurs during the polymerization shrinkage of composite materials. Controlled short curing time and nozzles for direct application create additional convenience in use.

PACKAGING

Syringes:

Code 00000010402	Paste (A2) - 2 g
Code 00000059922	Paste (A3) - 2 g

Capsules:

Code 00000051780	Paste (A2) - 0,33 g x 20
------------------	--------------------------

NOTE: A single dose of the product is ~ 0.1 g per a patient

ANALOGUES FOR USE  
Ionoseal, VOCO, Germany  
Ionosit, DMG, Germany  
ANA liner, Nordiska, Sweden



## DENTINE-PASTE

### ZINC-SULFATE FILLING MATERIAL FOR TEMPORARY FILLINGS

#### APPLICATION

- Temporary isolation of treating material in the caries cavity
- temporary filling of cavities for the period 1-2 weeks
- as lining for amalgam filings



#### FEATURES

Dentine paste is a zinc sulfate polymer cement. It is available as a ready-to-use smooth paste cured in the oral cavity. The product cures within 2-3 hours and expands, providing a tight marginal fit. Dentine paste has a high resistance to loads and demonstrates excellent adhesion to the dental hard tissues. It does not irritate the tissues of the oral cavity.

The product is available in white or pink shades with various fragrances (cloves, mint, citron, strawberry, cherry, lemon) and without fragrance.

#### PACKAGING

Code 00000004076	Paste without flavour	-50 g
Code 00000001810	Paste cloves	-50 g
Code 00000001809	Paste mint	-50 g
Code 00000000030	Paste citron	-50 g
Code 00000000029	Paste strawberry	-50 g
Code 00000023943	Paste cherry	-50 g
Code 00000042536	Paste lemon	-50 g

**NOTE:** A single dose of the product is ~ 0.5-0.3 g per a patient

ANALOGUES FOR USE  
Cimpat, Septodont, France  
Caviton, GC, Japan  
Cavit, 3M ESPE, Germany

## DENTINE-POWDER

### ZINC SULFATE CALCIUM CONTAINING FILLING MATERIAL FOR TEMPORARY TOOTH FILLING

#### APPLICATION

Temporary filling and hermetization of tooth cavities.

#### FEATURES

Dentine-powder is a water-plasticized calcium and zincsulfate cement modified with additives. Its main ingredients are zinc oxide, zinc sulfate and calcium phosphates. Mix the powder with water to get a dental paste.

During curing, Dentine-powder expands, which ensures a good marginal fit of the filling and reliable sealing of the cavity, but can cause tooth wall chip, especially if it is not thick enough.



Dentine-powder meets the requirements for non-aqueous zinc-oxide cements of type III class 1:

- its curing time is 3 to 10 min;
- min. compressive strength is 25 MPa;
- max. disintegration after 24 hours is 1.5%;
- the content of acid-soluble arsenic does not exceed 2 mg/kg.

#### PACKAGING

Code 00000000028	Powder - 80 g
Code 00000007746	Powder - 200 g

**NOTE:** One dose of material per one patient ~ 0.5-0.3 g

ANALOGUES FOR USE  
Oxydentin, Chema, Poland  
Dressing dentine, Stoma, Ukraine

UNIVERSAL ZINC-PHOSPHATE CEMENT

UNICEM, UNICEM BACTERICIDAL



«Unicem» zinc-phosphate cement is produced in 3 colours: **white**, **light-yellow**, **gold-yellow**, and also **bactericidal** (contains the optimal amount of bacteriostatically effective form of silver).

APPLICATION

- fixation inserts, pinned teeth, metal, plastic, porcelain, metal-ceramic crowns and prosthetic bridges;
- filling teeth to be crowned;
- as isolating pad when filling.

«Unicem» **bactericidal** is used in pediatric dentistry for filling milk teeth.

FEATURES

«Unicem» is a universal improved zinc-phosphate dental cement with high mechanical compressive strengths: 90 MPa with a powder to liquid ratio of 1.5:1 (for fixing), 121 MPa with a powder to liquid ratio of 2:1 (for filling). The cement is obtained by mixing powder containing zinc oxide and modifying agents with liquid represented by orthophosphoric acid of low activity. Film thickness for filling is no more than 25 µm.

Silver contained in the bactericidal cement prevents the development of secondary caries and reduces the probability of the primary caries.

PACKAGING

Code 00000001456	Powder white	-100 g,	Liquid - 60 g
Code 00000002331	Powder gold-yellow	-100 g,	Liquid - 60 g
Code 00000002332	Powder light-yellow	-100 g,	Liquid - 60 g
Code 00000000388	Powder white	- 50 g,	Liquid - 30 g
Code 00000002333	Powder gold-yellow	- 50 g,	Liquid - 30 g
Code 00000002334	Powder light -yellow	- 50 g,	Liquid - 30 g
Code 00000000133	Powder bactericidal	- 50 g,	Liquid - 30 g

ANALOGUES FOR USE  
Adhesor, Spofa Dental, Czech Republic  
Poscal, VOCO, Germany  
Zn Phosphate, PSP Dental, UK

NOTE: A single dose of the product is ~ 0.5 g per a patient

ZINCOXIDE-EUGENOL  
CEMENT

EODENT QUICK-HARDENING



APPLICATION

- as an isolating pad under all types of fillings except composites;
- temporary crown fixation;
- temporary cavity filling when treating caries .

FEATURES

Eodent Quick-Hardening is available as a powder/liquid set. Eodent powder contains zinc oxide, radiopaque filler and hydroxiapatite that regenerates bone tissues. Eodent liquid contains eugenol with plasticizing additives, which provide high filling of the powder-liquid system (3-4:1) during mixing and low solubility (≤ 0.5%) of the material.

Eodent Quick-Hardening forms a good marginal fit and has a low solubility. A catalyst is introduced into the liquid, which contributes to the curing of the cement in the tooth cavity within 4-6 minutes.

PACKAGING

Code 00000001044	Powder - 25 g, Liquid - 8 ml
------------------	------------------------------

ANALOGUES FOR USE  
IRM, Dentsply, USA  
Caryosan, Spofa Dental, Czech Republic

NOTE: A single dose of the product is ~ 0.25-0.30 g per a patient

## BELACIN

### SILICATE CEMENT

#### APPLICATION

Sealing of anterior and lateral teeth in case of localization of caries on the vestibular and contact surfaces.



#### FEATURES

Belacin is a silicate cement available as a powder+liquid set. The powder is a fine alumino-silicate glass enriched with fluoride, which reduces the solubility of the enamel adjacent to the filling. The liquid contains orthophosphoric acid with low activity. The shine, color and transparency of the filling made of Belacin are similar to those of dental tissues and meet all aesthetics requirements.

#### PACKAGING

Code 00000000019 Powder - 50 g, Liquid - 30 g

**NOTE:** A single dose of the product is ~0.2 g per a patient

**ANALOGUES FOR USE**  
Aqua Ionofil Plus, Voco, Germany  
Chemfil Superior, Dentsply, UK  
Ciment Silicate, PD, Switzerland

## BELADONT

### SILICATE-PHOSPHATE CEMENT

#### APPLICATION

- fill anterior and posterior teeth (if aesthetic requirements are not a priority);
- fill teeth before crowning;
- fill primary teeth in pediatric dentistry.



#### FEATURES

Beladont is a silicate-phosphate cement available as a powder+liquid set. The powder is alumo-silicate glass modified with a zinc-phosphate cement. The liquid contains orthophosphoric acid with low activity.

Mix the Beladont powder with the liquid to make a cement mass, the structure of which is a conglomerate of silicic acid gel and hardened products of phosphate cement.

Fillings made of Beladont cement have high mechanical strength (compressive strength of at least 170 MPa), chemical resistance, and low solubility.

In case of deep and medium caries, an insulating lining must be used to fill cavities.

#### PACKAGING

Code 00000000018 Powder - 50 g, Liquid - 30 g

**ANALOGUES FOR USE**  
Silidont 2, Polymer-Dentistry, Russia  
Drala Steinzement, Detax, Germany  
Infantid, Spofa Dental, Czech Republic  
Trans-Litn, Merz Dental, Germany  
Odus, PD, Switzerland

## POLYCARBOXILATE CEMENT

## BELOCOR



## APPLICATION

- fix inlays, different types of crowns, small dental bridges;
- make temporary fillings for long-term treatment;
- use as a lining under permanent fillings made of amalgam and composites.

## FEATURES

To get the Belacor cement, mix the powder with the liquid. The powder contains modified zinc oxide, and the liquid is a water solution of polyacrylic acid.

Belacor does not irritate the dental pulp, because as soon as the cement hardens, the pH quickly rises to the neutral value. The ability of polyacrylic acid to form complexes with the protein of the dental tissues and its high molecular weight limits its diffusion into the dental tissues and dentinal tubules. Therefore, the material does not cause pain when fixing crowns or bridges.

The product forms a strong bond with dental hard tissues and basic structural materials (gold alloys, porcelain, cermets, etc.), and has a low solubility.

## PACKAGING

Code 00000012580 Powder – 80 g, Liquid – 40 g

**NOTE:** A single dose of the product is ~0.5-0.7 g per a patient

ANALOGUES FOR USE  
Adhesor Carbofine, Spofa Dental, Czech Republic  
Carboco, VOCO, Germany

# Endodontic dental materials

viv  
VLADMIVA

## ROOT CANAL THERAPY

Belodez  
(hypochlorite Na)  
Belodez activator  
BelSol N°2  
(chlorhexidine 2%)  
Belagel-O endo  
Color-test N°4  
Solvadent N°3  
(citric acid)  
Solvadent N°1, N°2  
EndoGel (EDTA )  
EndoZhy

## TEMPORARY OBTURATION OF ROOT CANALS

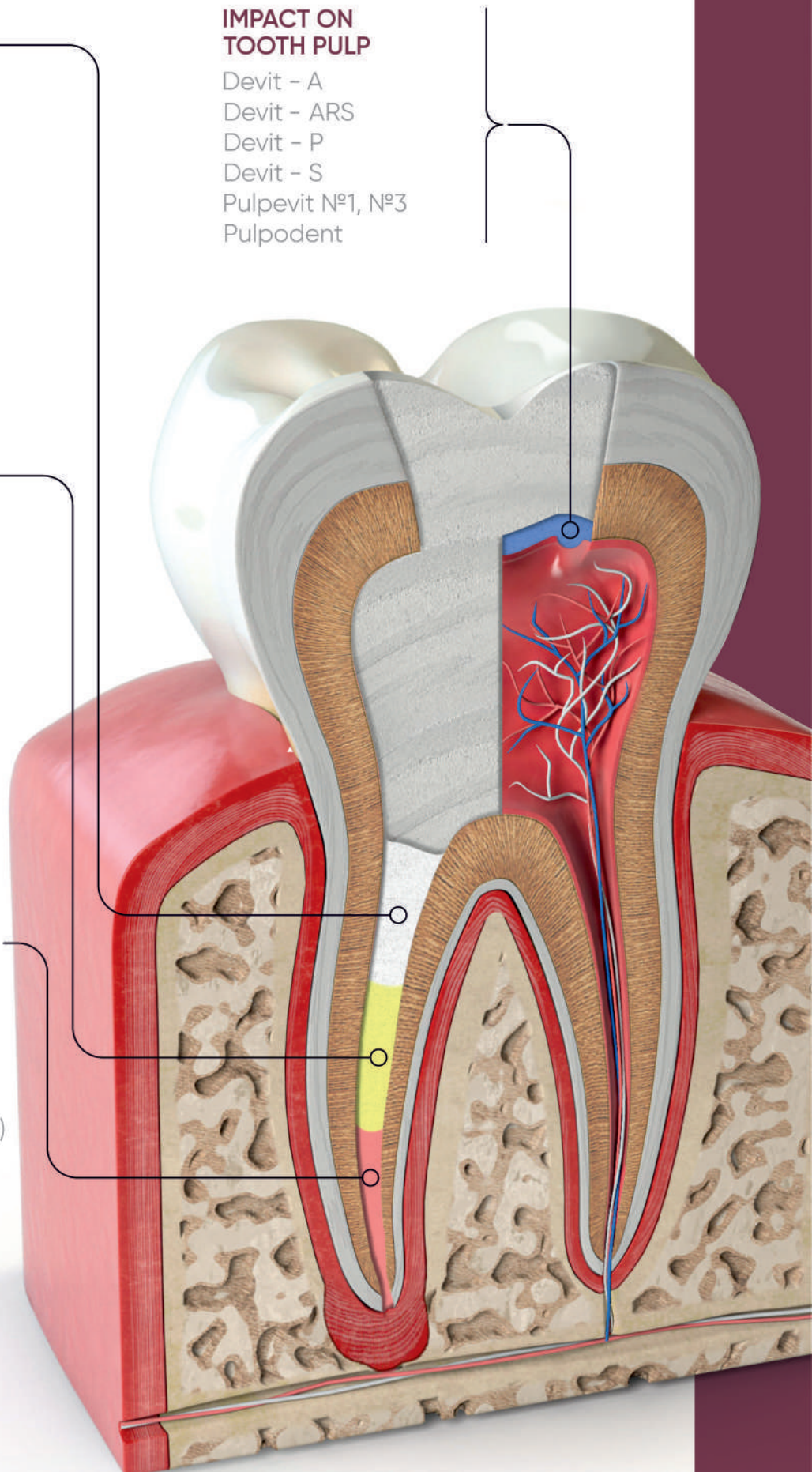
Apexdent  
(with iodoform/  
without iodoform)  
Iodent (non-hardening)  
Calcevit (powder)  
Calcesept  
Cuprodent  
Cresodent-VladMiVa  
(liquid)  
Pulpevit N°2  
Phosphadent BIO  
EndAsept

## ROOT CANAL PERMANENT OBTURATION

Vident  
Iodent (hardening)  
Compocem-endo  
Compocem-endo-brush  
Cresodent-VladMiVa (paste)  
Oxident  
Resodent-VladMiVa  
Sildent  
Tident  
Tricredent  
Trioxident  
Phosphadent  
Eodent  
(long-hardening)  
Armodent

## IMPACT ON TOOTH PULP

Devit - A  
Devit - ARS  
Devit - P  
Devit - S  
Pulpevit N°1, N°3  
Pulpodent



IMPACT ON PULP

DEVIT - A



APPLICATION

Anesthetic and antiseptic compress in case of pain reactions in the caries treatment.

FEATURES

Devit-A paste contains:

- lidocaine hydrochloride – a local anesthetic that has a faster, more efficient and longer effect than novocaine;
- chlorophenol, eugenol, and camphor – broad-spectrum antiseptics;
- paste former and filler give paste fibrous structure.

In cases where the opening of the carious cavity is impossible due to severe pain, the Devit-A paste, rolled up in the form of a ball, is placed in the cavity and left as a long-term compress under Dentine-paste filling material until the next visit.

The paste remains effective for 1 to 3 days.

PACKAGING

Code 00000003933 Paste- 3 g

ANALOGUES FOR USE  
Pulparthrol, Pierre  
Rolland, France

ARSENIC PASTE FOR PULP DEVITALIZATION

DEVIT - ARS



APPLICATION

Fast and painless pulp devitalization using the mortal extirpation method.  
For dentistry only!

FEATURES

Devit-ARS dental material is available as a ready-to-use paste. It contains:

- arsenous anhydride (30%) that provides quick and non-aggressive necrosis of pulp fibers;
- lidocaine hydrochloride, which makes the process of devitalization painless, and reduces tissue sensitivity;
- eugenol, which is a broad-spectrum antiseptic;
- fibrous filler and paste former, which provides the material plasticity and discreteness.

Pulp devitalization is fulfilled within 24-48 hours depending on tooth structure (single-root or multi-root), paste quantity, density of dentin layer covering pulp in case of non-direct contact with paste. Do not keep the product in the oral cavity for more than 72 hours.

PACKAGING

Code 00000002330 / 00000007486 Paste - 3 g / 6,5 g  
Code 00000002142 Paste - 4 mg x 100 unidoses

ANALOGUES FOR USE  
Canstinerf arsenical,  
Septodont, France

## DEVIT – P

### PEDODONTIC ARSENIC-FREE PASTE FOR PULP DEVITALIZATION

«KALEIDOSCOPE» series for pediatric dentistry

#### APPLICATION

Pulp devitalization and mummification of primary teeth in cases where pulp extirpation can be excluded.



#### FEATURES

Devitalizing paste Devit-P contains:

- paraform, which is an effective antiseptic capable of coagulating albumin and providing pulp devitalization;
- lidocaine hydrochloride, which is a local anesthetic that reduces the risk of pain reactions;
- chlorophenol, camphor, and menthol, which enhance the antiseptic effect of the product;
- paste former and filler give paste fibrous structure.

Pulp devitalization of deciduous teeth is combined with a sterilization procedure that excludes pulp extirpation and reduces pain, which is very important for children.

The complete pulp devitalization is complete within 3-5 days. If the patient does not feel any pain, a permanent filling can be placed 24-48 hours after applying the paste.

#### PACKAGING

Code 00000002213

Paste - 3 g

ANALOGUES FOR USE  
Caustinerf pedodontique, Septodont, France

## DEVIT – S

### EFFECTIVE ARSENIC-FREE PASTE OF STRONG EFFECT FOR PULP DEVITALIZATION

#### APPLICATION

- devitalize pulp in the treatment of pulpitis using the mortal extirpation method or amputation;
- use the product as an additional devitalizing medicine at the secondary treatment after using arsenic pastes.



#### FEATURES

Arsenic-free paste Devit-S contains:

- paraformaldehyde, which is an effective antiseptic capable of coagulating albumin and providing pulp devitalization;
- lidocaine hydrochloride, which is a local anesthetic that reduces the risk of pain reactions;
- paste former and fibrous filler.

Devit-S paste provides prolonged pulp devitalization with virtually no irritation and pain, and also eliminates the need for additional canal treatment to neutralize arsenic salts, as is the case with arsenic pastes.

The complete pulp devitalization is fulfilled within 3-5 days, sometimes within 7 days. If the patient does not feel any pain, a permanent filling can be placed 24-48 hours after applying the paste.

#### PACKAGING

Code 00000000742 / 00000039626 Paste - 3 g / 6,5 g

ANALOGUES FOR USE  
Depulpin, VOCO, Germany  
Caustinerf forte, Septodont, France  
Devitec Arsenic Free, PD, Switzerland

PAIN RELIEVING SOLUTION

**PULPEVIT LIQUID N°1**



**APPLICATION**

The product is used as an anesthetic for medical or traumatic pulpitis and periodontitis, and for acute pulpitis before using arsenic paste.

**FEATURES**

Liquid N°1 contains:

- hydrochloride lidocaine, which has a strong analgesic effect;
- chlorophenol and cresol, which are broad-spectrum antiseptics that do not cause irritation and only slightly mummify nerve fibers.

Liquid No. 1 can be used as a prolonged compress in the localization of pulpitis when further treatment is not possible.

**PACKAGING**

Code 00000002153      Liquid N°1      - 15 ml

ANALOGUES FOR USE  
Pulperyl, Septodont, France  
Chlorbutanol, PD, Switzerland

PULP MUMMIFICATION LIQUID

**PULPEVIT LIQUID N°3**



**APPLICATION**

Treatment of complicated caries of deciduous teeth.

**FEATURES**

Liquid No. 3 (formocresol) contains:

- formaldehyde (19%);
- cresol (35%).

Depending on the exposure duration, formocresol can cause partial or complete mummification of the root pulp of a primary tooth.

**PACKAGING**

Code 00000002155      Liquid N°3      - 15 ml

ANALOGUES FOR USE  
Tricresol & Formaline, PD, Switzerland



# PULPODENT

## ANTISEPTIC MATERIAL

### APPLICATION

- Filling the root canal orifices of vital teeth in the case of
- treatment of pulpitis of vital deciduous and permanent teeth with unformed roots;
  - treatment of acute local and chronic fibrous pulpitis with preservation of viable root pulp;
  - treatment of infected deciduous molars using the pulpotomy method;
  - treatment of pulpitis of permanent teeth before prosthetics;
  - treatment of pulpitis after pulp vital amputation of displaced teeth (vestibular inclination of the crown) and teeth with inaccessible root canals (for the purpose of endodontic treatment).



**Pulpodent and Pulpodent LONG-HARDENING** is used for permanent filling of infected root canals. It is used to treat apical periodontitis (in particular, in the presence of granulomas) after pulp extirpation.

### FEATURES

**Pulpodent** and **Pulpodent LONG-HARDENING** are available as powder+liquid sets.

The powder contains zinc oxide, iodoform, and polyoxymethylene

The liquid contains dexamethasone, formaldehyde, phenol, and eugenol.

Mix the Pulpodent powder and liquid (2:1) to get a homogeneous plastic paste, which can be easily applied to the pulp chamber and the access cavity of the tooth canal within 5-7 minutes. The paste adapts well to the tooth cavity surface and cures within 20-25 minutes, while gradually losing its plasticity.

Mummifying and antiseptic components contained in the Pulpodent provide for quick and painless treatment.

Pulpodent LONG-HARDENING has a longer effective time (10-15 minutes) and curing time (60 minutes). It disinfects root canals, promotes resorption of granulomas and regeneration of periapical tissues.

Pulpodent and Pulpodent LONG-HARDENING have bactericidal properties, are easily tolerated by tooth tissues. These products have high radiopacity and low solubility.

### PACKAGING

Code 00000005709

Code 00000046701

Powder - 25 g; Liquid - 15 ml

Powder - 20 g; Liquid - 15 ml

ANALOGUES FOR USE  
Pulpotec, PD, Switzerland  
Granulotec, PD, Switzerland

STABILIZED SODIUM HYPOCHLORITE SOLUTION (3%, 5.2% AND 10%)

BELODEZ



APPLICATION

Belodez is a **stabilized sodium hypochlorite solution** that is used as follows:

**3% solution (gel)** is used as a bactericidal, hemostatic and whitening agent for root canal treatment, for chemical expansion of canals in combination with EDTA, and for disinfection of the tooth cavities.

**5.2% and 10% solutions** are used for treatment of canals with diathermocoagulation of the pulp or pulp coagulation with strong medications, as well as for disinfection of gutta-percha and metal posts, orthodontic construction, orthopaedic and orthodontic constructions and appliances before insertion into the oral cavity.

FEATURES

Belodez is a stabilized solution (or gel) of sodium hypochlorite, which dissolves the organic components of dentin: both vital (chemically fixed) and necrotic tissues.

Its gel-like structure makes it the best choice for antiseptic treatment of the cavities of the upper teeth, since the product has a good viscosity and fluidity, and has a very gentle effect on the mucous membrane.

Belodez has an alkaline nature (pH 10.0 to 12.0), which has an antimicrobial effect on gram-positive and gram-negative microorganisms, fungi and viruses.

The range of action of Belodez depends on the sodium hypochlorite concentration. At concentrations up to 1%, only necrotic tissues, decay and pus are dissolved. Higher concentrations affect vital tissues: the higher the concentration of the solution, the stronger the damage to vital cells will be.

**Belodez (3%)** is used to dissolve pulp residues after vital extirpation.

**Belodez (5.2% and 10%)** is used to dissolve the remains of the mummified pulp after devitization with strong medications or after thermal coagulation.

The use of Belodez in combination with preparations containing EDTA (EndoZhy №. 2, EndoGel) when removing the surface-lubricated layer that appeared as a result of the treatment of root canals ensures their effective cleaning and expansion. Besides, the product significantly improves the adhesion of filling materials to the root canal surface.

PACKAGING

Code 00000003083	Liquid (3%)	- 100 ml	Code 00000001358	Liquid (5,2%)	- 100 ml
Code 00000015605	Liquid (3%)	- 250 ml	Code 00000024980	Liquid (5,2%)	- 250 ml
Code 00000003078	Liquid (3%)	- 30 ml	Code 00000001067	Liquid (5,2%)	- 30 ml
Code 00000001571	Gel (3%)	- 3 g	Code 00005923000	Liquid (10%)	- 30 ml

ANALOGUES FOR USE  
Parcan, Septodont, France

LIQUID FOR MODIFICATION OF ENDODONTIC IRRIGANTS

BELODEZ ACTIVATOR



APPLICATION

The product reduces the surface tension of endodontic irrigants and facilitates their effectiveness.

FEATURES

Belodez activator contains a mixture of surface-active substances (surfactants), including surface-active antiseptics, such as benzalkonium chloride and cetrimide.

Belodez reduces the surface tension of irrigants, which contain sodium hypochlorite, EDTA, citric acid, and chlorhexidine. It improves their wetting ability and penetration into hard-to-reach areas of the root canal system, forms foam for effective removal of dentinal shavings and organic residues from root canals.

PACKAGING

<b>Belodez activator</b>			<b>Belodez activator Plus</b>		
Code 00000065392	Liquid	- 30 ml	Code 00000066035	Liquid	- 5 ml
Code 00000068358	Liquid	- 100 ml	Code 00000066036	Liquid	- 10 ml
Code 00000000000	Liquid	- 250 ml	Code 00000066039	Liquid	- 20 ml
Code 00000066038	Liquid	- 500 ml			
Code 00000066037	Liquid	- 1 l			

## BELSOL N°2

## CHLORHEXIDINE LIQUID

### APPLICATION

Medical treatment of infected tooth canals in the treatment of pulpitis and periodontitis; treatment of carious cavities, dentures, braces and implants.

### FEATURES

Liquid N°. 2 (concentrate) contains **chlorhexidine bigluconate (2%)**, which is a broad-spectrum antiseptic that has a bactericidal effect against vegetative forms of gram-negative and gram-positive microorganisms, yeast, dermatophytes and lipophilic viruses. Besides, it retains antiseptic properties in direct contact with biological fluids ( blood or pus).

Dilute Liquid N°. 2 (concentrate) with distilled water (1:10) to get a liquid for antiseptic treatment of inflamed mucosal areas.



The set of dental liquids BelSol contains:

- **liquid N°. 1 (concentrate)** is used to rinse the patient's oral cavity before visiting a dentist or before casting [see the section «Prophylactic dental materials»];
- **liquid N°. 1 with fluoride (concentrate)** is used for fluoridation and prevention of dental caries and gum diseases [see «Prophylactic dental materials»];
- **liquid N°. 2 (ready-for-use form or gel)** is used for preventive and antiseptic treatment of the mucous surface in case of gingivitis and initial forms of periodontitis. It is also used when the patient has dentures, braces or implants [see the section «Treating dental materials»]
- **liquid N°. 3 (concentrate)** is used to rinse the oral cavity with inflammation processes, gingivitis and periodontitis (see «Treating dental materials»).

### PACKAGING

Code 00000002139      Liquid - concentrate N°2      - 125 ml

ANALOGUES FOR USE  
Consepsis, Ultradent, USA  
R4, Septodont, France;

## BELAGEL-O ENDO

## ENDO BLEACHING MATERIAL

### APPLICATION

Intracanal and intra-crown whitening of pulpless teeth.

### FEATURES

Belagel-O Endo is a paste, which contains 60% carbamide peroxide (equivalent to 22% peroxide).

Carbamide peroxide is an oxidizing agent capable of forming active oxygen in the presence of physiological fluids. It effectively dissolves organic substances that stain tooth tissues.

The whitening paste has a bactericidal effect.



### PACKAGING

Code 00000008914      Paste - 1,5 g

ANALOGUES FOR USE  
Endoperox, Septodont, France

ROOT CANAL ORIFICE INDICATOR

COLOR-TEST №4



APPLICATION

The product is used to identify the root canal orifices with complex morphology, and treat scleroses canals, especially in cases of poor canal patency and calcification.

FEATURES

Color-test No. 4 contains a fuchsin, which is used as a diagnostic indicator capable of staining demineralized and irregular dentin, which forms layers with a decrease in pulp volume and a change in the canal structure and shape.

Some endodontic manipulations may be obstructed by sclerotic changes in the root canals. Therefore, it is necessary to clean the pulp chamber from decay products, rinse and dry it with a stream of warm air. Apply 1-2 drops of Color-test No. 4 liquid into the cavity for 40-60 seconds, then rinse with water.

Dentine remains stained in a more intense color in the root canal orifice compared to other areas of dental hard tissues. Color-test No. 4 can be used repeatedly during endodontic manipulations.

PACKAGING

Code 00000001727      Liquid - 5 ml

SMEALER LAYER REMOVING LIQUID

SOLVADENT LIQUID №3



APPLICATION

The product is used to wash root canals and remove the smear layer formed during the mechanical treatment.

FEATURES

Liquid No. 3 contains citric acid (40%), which completely removes the remnants of the smear layer from the root canal surfaces, thus opening the dentinal tubules, which contributes to better penetration of the sealant.

PACKAGING

Code 00000038677      Liquid №3      - 15 ml  
Code 00000038678      Liquid №3      - 100 ml

ANALOGUES FOR USE  
Resosolv, Pierre Rolland, France  
Endosolv-R, E, Septodont, France  
Resin Remover, PD, Switzerland  
Desosturator Eugenate, PD, Switzerland

## SOLVADENT LIQUID N°1

### DENTAL CEMENT DISSOLVER

#### APPLICATION

The product is used for deobturation of root canals previously filled with zinc oxide eugenol or resorcinol-formaldehyde resins.

#### FEATURES

Liquid/Gel No. 1 contains an organic solvent with a specific odor and a low surface tension, perfume and gelling agent (in gel). Solvagent gel is the best choice for deobturation of root canals of the upper teeth.

The chemical effect of Liquid/Gel No.1 and mechanical action significantly facilitate root canal desobturation.



#### PACKAGING

Code 00000000119	Liquid №1	- 5 ml
Code 00000000118	Gel	- 5 ml

ANALOGUES FOR USE  
 Resosolv, Pierre Rolland, France  
 Endosolv-R, E, Septodont, France  
 Resin Remover, PD, Switzerland

## SOLVADENT LIQUID N°2

### SOLVENT FOR GUTTA-PERCHA

#### APPLICATION

The product is used to soften gutta-percha pins.

#### FEATURES

Solvadent liquid No. 2 is a highly volatile solvent used to dissolve gutta-percha components. The product softens the pin, which turns into chemically plasticized gutta-percha without heat treatment. This ensures a good marginal fit of the obturating material and a more precise reduplication of canal anatomy and apical opening.



#### PACKAGING

Code 00000003520	Liquid №2	- 10 ml
------------------	-----------	---------

ANALOGUES FOR USE  
 Desosturator Eugenate, PD, Switzerland

EDTA BASED GEL SET

ENDOCEL



APPLICATION

The product is used for chemical and mechanical expansion, cleaning, shaping and antiseptic treatment of complex and branched root canals.

FEATURES

The active ingredient of Gel №. 1 and Gel №. 2 is ethylenediaminetetraacetate (EDTA). It forms a complex salt with dentinal calcium, which makes the structure of hard tooth tissues looser and facilitates the identification of calcified canal orifices, cleaning and formation of hard-to-reach root canals.

Gel №. 2 contains carbamide peroxide (10%), which enhances the cleansing effect. When Gel №. 2 is combined with a solution of sodium hypochlorite in the root canal, it facilitates the active release of atomic oxygen, which contributes to foaming. The product effectively removes vital, necrotic, and infected pulp tissues, and dentinal shavings. Besides, it whitens the teeth and improves their color and shine.

The gel facilitates the application of the material in the root canals of the upper teeth and serves as a good lubricant for endodontic tools.

The water-soluble base of the product makes it easy to wash out and clean the root canals with a water jet.

	EDTA	carbamide peroxide	gelling agent	water soluble base
gel No. 1	+	-	+	+
gel No. 2	+	+	+	+

PACKAGING

Code 00000002156 / 00000002157  
Code 00000002158 / 00000004435 / 00000002159

Gel №1 - 5 ml / 20 g  
Gel №2 - 3 ml / 9 g / 20g

ANALOGUES FOR USE  
RC-Prep, Premier, USA  
EDTA 17% gel, PD, Switzerland  
Canal-plus, Septodont, France

## ENDOZHY

## SET of LIQUIDS FOR ROOT CANAL TREATMENT



## APPLICATION

**Liquid №. 1** is used to dry and degrease root canals;

**Liquid №. 2** is used to expand and detect the root canal orifices;

**Liquid №. 2 Plus** is used to expand and detect the root canal orifices and disinfect root canals;

**Liquid №. 3** is used for antiseptic treatment of root canals;

**Liquid №. 4** is used to stop apical bleeding.

## FEATURES

**Liquid № 1** contains isopropanol and other volatile organic compounds that degrease and quickly dry root canals. The product does not contain diethyl ether and ethanol, and easily evaporates.

**Liquid № 2** contains a mixture of potassium and sodium salts of EDTA (17%), and centimonium bromide, which is a surfaceactive antiseptic that provides foaming and rapid penetration of the drug into microtubules. Besides, it prevents the settling of dentinal shavings and facilitates their removal from root canals.

**Liquid №. 2 Plus** contains EDTA salts (17%), which have a chelating effect, and Miramistin (0.1%), which is a surface-active disinfectant. It effectively reveals the root canal orifices, expands them, removes the smeared layer, promotes foaming in the canal, rapid penetration of the product into the microtubules, prevents the settling of dentinal chips, and has a strong disinfecting effect.

**Liquid № 3** contains glutaraldehyde, which has a pronounced antiseptic effect.

**Liquid № 4** contains aluminum chloride, an astringent for quickly stopping intracanal bleeding.

## PACKAGING

Code 00000000039	Liquid (№1) - 15 ml
Code 00000042845	Liquid (№1) - 250 ml
Code 00000000045	Liquid (№2) - 15 ml
Code 00000005540	Liquid (№2) - 100 ml
Code 00000025800	Liquid (№2) - 250 ml
Code 00000067205	Liquid (№2+) - 15 ml
Code 00000067222	Liquid (№2+) - 100 ml
Code 00000067204	Liquid (№2+) - 500 ml
Code 00000067178	Liquid (№2+) - 1 l
Code 00000000042	Liquid (№3) - 15 ml
Code 00000000043	Liquid (№4) - 15 ml

ANALOGUES FOR USE  
Largal Ultra, Septodont, France  
Hydrol, Septodont, France  
EDTA 17% liq., PD, Switzerland  
QMix 2 in 1, Dentsply Sirona, USA  
Racestyptine, Septodont, France

PASTE WITH IODOFORM

**APEXIDENT**



**APPLICATION**

- fill root canals after depulcation and treat infected canals in chronic periodontitis with resorption of granulomas;
- apexification with periodontitis, with an unformed apex, with root perforation, or with bone resorption.

**FEATURES**

**Apexdent is a long-curing iodoform paste. It contains:**

- iodoform providing a prolonged antibacterial effect;
- calcium hydroxide and phosphates creating an alkaline environment to stimulate the formation of bone osteoblasts at the apex level;
- hydrophobic paste-adjuster, providing fluidity of the paste;
- radiopaque filler.

When the paste goes beyond the apex, it gets absorbed in the soft tissues.  
The product can be used for permanent filling of root of deciduous teeth and to fill root canals after treatment.

**PACKAGING**

Code 0000001344 Paste with iodoform - 2.2 g

**ANALOGUES FOR USE**  
Vitapex, Nippon Shika Yakohin, Japan  
Metapex, Meta Dental, South Korea

IODOFORM-FREE PASTE

**APEXIDENT**



**APPLICATION**

- treat pulpitis of permanent and deciduous teeth with incomplete growth and root formation (apexogenesis);
- formation of osteoid-cement barrier in case of incomplete tooth root growth in the treatment of non-reversible forms of pulpitis.
- conservative treatment of all forms of chronic periodontitis;
- all kinds of perforations of completely formed roots of permanent teeth.

**FEATURES**

Apexdent Iodoform-Free is a radiopaque paste. It contains calcium hydroxide, which creates a high pH level (12.5), has a pronounced and persistent bactericidal effect on the preserved tooth pulp and / or the system of macro- and micro-canals. It forms the dentin/cement barrier in the periapical area, creates conditions for the growth and formation of the tooth root, regeneration of bone and periapical tissues.

The use of Apexdent Iodoform-Free facilitates the root growth. As a rule, the bone-cement barrier is formed with in 9-15 months.

The product can be used to treat the roots of deciduous teeth with an unformed apex in periodontitis.

In the conservative treatment of chronic periodontitis or any root perforations, permanent filling of the root canal is possible after the application of Apexdent Iodoform-Free for 3-6 weeks.

**PACKAGING**

Code 0000001736 Paste iodoform-free - 2,2 g

**ANALOGUES FOR USE**  
Metapaste, Meta Dental, South Korea



## IODENT

### NON-HARDENING IODOFORM AND CAMPHOR PASTE

#### APPLICATION

Temporary filling of infected canals in the treatment of pulpitis, granulomatous and granulating periodontitis.

#### FEATURES

Iodent paste has a prolonged disinfecting and bactericidal effect. It contains:

- chlorophenol (phenolic antiseptic);
- camphor, which softens the effect of phenol;
- iodoform, which provides a long bactericidal effect in root canals;
- a hydrophobic paste former;
- a radiopaque filler that ensures the formation of bone osteoblasts in the apex area.

Slight pain is possible when the paste Iodent goes beyond the apex. The paste is absorbed in soft tissues; when used in pediatrics, it does not interfere with the formation of the underlying tooth germ.

The non-hardening paste Iodent is used in multi-stage treatment. After the treatment, Iodent Hardening paste reduces the possibility of complications and pain after filling, since both pastes have the same antiseptic ingredients.

#### PACKAGING

Code 00000000032

Non-hardening paste - 25 g



ANALOGUES FOR USE  
Iodoform pasta, Abscess Remedy paste, PD, Switzerland;

## CALCEVIT

### CALCIUM HYDROXIDE POWDER

Calcevit is a multi-purpose product. It contains calcium hydroxide and is available in two forms:

- **Calcevit powder** mixed with distilled water or saline;
- **ready-to-use paste** (see «Treating dental materials»).

#### APPLICATION

- permanent filling for primary tooth canals;
- a temporary antiseptic intracanal dressing in the two-visit treatment;
- temporary obturation for disinfection of root canals during treatment of irreversible inflammation and pulp necrosis, as well as for stimulation of bone tissue regeneration processes in the treatment of destructive forms of chronic periodontitis.

#### FEATURES

«Calcevit» powder contains:

- highly dispersed calcium hydroxide, which has a disinfectant effect, stops bone resorption, stimulates reparative processes in periapical tissues;
- radiopaque contrast additives;
- plasticiser.

The ability to control the consistency of the suspension obtained by mixing the powder «Calcevit» with the selected liquid is an important advantage of the material and makes it possible to use the preparation in endodontics

#### PACKAGING

Code 00000001774

Powder - 7 g



ANALOGUES FOR USE  
Calxyd, Spofa Dental, Czech Republic

CALCIUM HYDROXIDE SUSPENSIONS

CALCESEPT



APPLICATION

- treatment of infected root canals in permanent teeth;
- treatment of difficult and problematic root canals;
- treatment of root canals of temporary teeth and teeth with unformed roots;
- filling of root canals of teeth in the restoration of perforations and cracks;
- filling of root canals in granulating and granulomatous periodontitis;
- treatment of dental pulpitis by biological method with preservation of the root pulp;
- indirect as well as direct pulp coating;
- treatment of periodontitis, gingivitis (as a strong bactericidal agent).

FEATURES

Dental set Calcesept contains highly dispersed sterile paste-suspensions:

- **suspension No. 1** contains calcium hydroxide (41%) in isotonic solution, and barium sulfate (min. 8%), which makes the solution radiopaque;
- **suspension No. 2** contains calcium hydroxide (41%) in isotonic solution, barium sulfate (min. 8%) and copper ions, which possess a bactericidal effect against all types of microorganisms.

The suspensions are fabricated with the use of a special technology for producing highly dispersed stabilized systems. The high alkalinity of the suspensions (pH 12.4) ensures sterility in the contact zone and stimulates bone formation. The bactericidal effect of highly dispersed calcium hydroxide (suspension No. 1) is caused by alkaline proteolysis and saponification of microorganisms. Calcium hydroxide stimulates the formation of mineralized tissues in case of fractures of the roots and is used to consolidate or encapsulate and reconstruct the bone structure in the area of injury by closing perforations in the crown part, in the area of bifurcations and trifurcations and at any level of a root canal. The root apex becomes completely sealed due to the stimulation of the cementoblast layer. This process lasts for 8 to 12 months. In case of deep caries, when the pulp is too close and there is a lot of infected softened dentin, the application of sterile calcium hydroxide directly on the infected dentin after 6-8 weeks leads to the formation of a protective dentin layer in response to the action of an irritant (calcium hydroxide) at the pulp side.

The bactericidal effect of copper ions (suspension No. 2) is considerably higher. Copper ions are able to bind with sulfur amino acids with protein breakdown and the formation of poorly soluble copper sulfide. They affect the process of oxygen transfer by anaerobic microorganisms. Therefore, a soluble compound (copper sulfate) is occurred. It decomposes and releases copper ions, which extracting sulfur from aerobic and anaerobic microorganisms, therefore destroying them. The resulting sparingly soluble copper sulfide is continuously regenerated into the active substance (copper sulfate).

PACKAGING

Code 00000021077

Suspension №1 - 2,5 ml, Suspension №2 - 2,5 ml

ANALOGUES FOR USE  
Calasept, Nordiska, Sweden

# CUPRODENT

## COPPER-CALCIUM HYDROXIDE BASED MATERIAL

### APPLICATION

- treatment (washing) of infected root canals of permanent teeth;
- treatment of difficult and problematic root canals of teeth by electro(depo)phoresis;
- treatment of root canals of temporary teeth and teeth with unformed roots;
- filling of root canals of teeth after any type of treatment, including dephoresis;
- indirect as well as direct pulp coverage;
- treatment of periodontitis, gingivitis.



### FEATURES

Cuprodent dental set contains:

- **Suspension №1** with copper-calcium hydroxide (violet-blue color);
- **Suspension №2** with calcium hydroxide (white color);
- Copper-calcium hydroxide powder.

Cuprodent is a system with highly active hydroxycuprate, which exerts a bactericidal effect on all microorganisms. The high alkalinity of the suspensions (pH 12.8-13.3) ensures the sterility of the contact areas and stimulates the formation of bone tissues. The suspensions are fabricated with the use of a special technology for producing highly dispersed stabilized systems.

Cuprodent **Suspension No. 1** is an equilibrium system of copper-calcium hydroxide and hydroxocuprate, i.e. complex anion. The suspension is stable and water-based. Therefore, it can be used in any degree of dilution with distilled water, depending on the application methods.

Cuprodent **Suspension No. 2** contains calcium hydroxide, stabilizer and distilled water.

The bactericidal effect of highly dispersed calcium hydroxide (suspension No. 1) is caused by alkaline proteolysis and saponification of microorganisms. Calcium hydroxide enhances the formation of mineralized tissue. However, the bactericidal effect of copper ions (Suspension No. 1) is much stronger. Copper ions can bind with sulfur amino acids with the destruction of protein cells and the formation of poorly soluble copper sulfide, thus affecting the process of oxygen transfer by anaerobic microorganisms. Therefore, a soluble compound (copper sulfate) is formed. It decomposes and releases copper ions, which extracts sulfur from aerobic and anaerobic microorganisms, thus destroying them. The resulting sparingly soluble copper sulfide is continuously regenerated into the active substance (copper sulfate).

The concentration of copper ions in the suspension is 2.5 to 3.0%. Even with a 10-fold dilution of Suspension No. 1, the membrane structures of the micro-organisms get destroyed. This demonstrates the high efficiency of low concentrations of the product.

When treating root canals by depophoresis, hydroxocuprate ions are converted into the sparingly soluble copper hydroxide, which sterilizes the canal and apical delta. The canal itself is covered with copper compounds, which create so called «copper plugs» and act as a «depot» for hydroxide ions and copper ions in the deltoid branches.

Cuprodent is a multi-purpose material for all sorts of tools used in dental practice for depophoresis. Filling the root canals with Cuprodent paste is the next step in the treatment of the infected canals after depophoresis with the copper-calcium hydroxide. To get the paste, mix the Cuprodent powder and calcium hydroxide suspension (Suspension No. 2). This long-curing alkaline material is an effective disinfectant. After curing, a prolonged disinfecting effect is provided by copper ions, which make the material impervious to bacteria.

### PACKAGING

Code 00000001574	Suspension №1 - 20 g
	Suspension №2 - 20 g
	Powder - 10 g
Code 00000001847	Suspension №1 - 20 g
Code 00000001958	Suspension №2 - 20 g
Code 00000001893	Powder - 10 g

ANALOGUES FOR USE  
Atacamit, Humanchemie, Germany  
Cupral, Humanchemie, Germany

LIQUID FOR ANTISEPTIC TREATMENT OF ROOT CANALS

**CRESODENT – VLADMIVA**



**APPLICATION**

Antiseptic treatment of infected canals.

**FEATURES**

Cresodent-VladMiVa liquid is widely used in endodontic treatment as an active local antiseptic. The product contains:

- chlorphenol is an active bactericidal substance;
- camphor, which has antiseptic and sedative properties and a softening effect of phenols;
- dexamethasone (0.1%), a corticosteroid, which reduces the pain of periapical reactions and has a pronounced anti-inflammatory and anti-allergic effect.

The product does not irritate the periapical tissues unless mixed with other substances. Because of the low surface tension coefficient, the product is volatile and quickly penetrates into the dental tubules. Cresodent-VladMiVa does not lose its properties upon contact with blood, serum or proteins.

Cresodent-VladMiVa is available in the form of the ready-for-use liquid and paste, with similar antiseptic ingredients. After treatment with Cresodent-VladMiVa liquid the root canal must be sealed with Cresodent-VladMiVa paste.

**PACKAGING**

Code 00000000066 / 00000012622

Liquid - 5 ml / 15 ml

**ANALOGUES FOR USE**  
Cresophene, Septodont, France  
Camphor Mono-Chlorophenol, PD, Switzerland

METRONIDAZOLE AND CHLORHEXIDINE ANTISEPTIC GEL

**ENDASEPT**



**APPLICATION**

Treatment of infected canals with gangrenous pulpitis and chronic forms of periodontitis and acute periodontitis, including after unsuccessful treatment with non-specific antiseptics or products that contain antibiotics or corticosteroids.

**FEATURES**

EndAsept Gel contains a number of antiseptics: metronidazole (10%), chlorhexidine bigluconate (2%), which actively suppress the anaerobic flora in root canals.

Metronidazole is extremely effective against protozoa, obligate anaerobic bacteria (spore-forming and non-spore-forming) and against bacteria, fusobacteria and clostridia.

The antimicrobial effect is caused by the connection of the nitro group of metronidazole with microbial DNA and the following cessation of the synthesis of nucleic acids.

Chlorhexidine bigluconate is one of the most active local antiseptics. It has a rapid and strong bactericidal effect on gram-positive and gram-negative bacteria. The effect of chlorhexidine bigluconate depends on its surface-active properties, which violate the permeability of the cytoplasmic membrane of microorganisms.

The gel is hydrophilic enough to be easily injected into the root canals. It impregnates the dentinal tubules deeply and is easily washed out with water.

**PACKAGING**

Code 00000010046

Gel - 10 g

**ANALOGUES FOR USE**  
Grinazole, Septodont, France

## PHOSPHADENT-BIO

### CALCIUM-PHOSPHATE MATERIAL

#### APPLICATION

Endodontic treatment of infected root canals of both deciduous and permanent teeth, and in teeth with hard-to-reach root canals;

#### FEATURES

Phosphadent-Bio is available as a powder+liquid set. The Phosphadent-Bio liquid is an aqueous solution of plasticizer. Phosphadent-Bio powder contains calcium oxide, calcium hydroxide, calcium phosphate and radiopaque filler



Calcium oxide has the necessary effect for successful endodontic treatment:

- it binds residual moisture in the root canals with carbon dioxide, which forms calcium hydroxide and carbonate sealing of micro- and macrocanals;
- it absorbs water and significantly (almost two-fold) increases in volume, thickens and hermetically seals the canal;
- it ensures sterility of root canals and reduces infection, providing a persistent alkaline environment (pH 12.8);
- it stimulates reparative regeneration of tissues around a root canal.

The mineralizing ability of calcium oxide is higher than that of other calcium-containing compounds.

The product can be used as a sealer when filling canals with gutta-percha pins.

#### PACKAGING

Code 00000000132 Powder - 15 g, Liquid - 12 ml

ANALOGUES FOR USE  
Biocalex, Spad, France  
Biopulp, Chema, Poland

## PULPEVIT LIQUID №2

### LIQUID FOR ANTISEPTIC TREATMENT OF ROOT CANALS

#### APPLICATION

The product is used for antiseptic treatment of roots with complicated pulpitis, and of resections of the upper parts of the roots.



#### FEATURES

Liquid No. 2 contains such antiseptics as phenol, eugenol and formaldehyde, which have antiseptic effect and ensure deep mummification and sterilization of root canals (in particular, after cysts, abscesses, or fistulas). Liquid No. 2 contains dexamethasone (0.05%), a corticosteroid that significantly reduces pain in the periapical tissues.

#### PACKAGING

Code 00000002141 Liquid № 2 - 15 ml

ANALOGUES FOR USE  
Pulperyl, Septodont, France  
Chlorbutanol, PD, Switzerland

DUAL-CURING COMPOSITE SEALER

COMPOCEM – ENDO



APPLICATION

Permanent filling of root canals of all classes.

FEATURES

Compozem-Endo is a radiopaque liquid composite, which contains polyfunctional methacrylic oligomers and nanostructured hydroxyapatite. It is a dual-curable composite (chemically and light-curable) and is available in the form of two pastes (base and catalytic).

The effective time of the material is 10-15 min. Curing time of the material is 15-20 minutes at +37°C. Compozem-Endo can be used with pins.

PACKAGING

Code 00000032610	Basic paste	- 3.5 g
	Catalytic paste	- 3.5 g
	Primer	- 5 ml

ANALOGUES FOR USE  
EndoREZ, Ultradent Products Inc,  
USA

ENDODONTIC FINISHING MATERIAL

COMPOCEM – ENDO-BRUSH



APPLICATION

The product is used to clean root canals, activate solutions, and remove residual filling pastes and materials.

FEATURES

Compozem-Endo Brush is a machine-made endodontic file made of stainless steel.

The tool differs in design from standard rotary tools. Compozem-Endo-Brush rotates in the canal and unwinds into separate bristles, which completely fill the space of the root canal. The design of the tool guarantees its flexibility. It remains highly effective even in C and S-shaped root canals. The tool is designed to be used with standard endodontic contra-angles.

The Compozem-Endo-Brush rotates clockwise and has a rotation rate of 900 to 4000 rpm.

PACKAGING

Code 00000067676	Brush-file	- 5 pcs
------------------	------------	---------

PARA-CHLOROPHENOL ANTISEPTIC PASTE

CRESODENT – VLADMIVA



APPLICATION

The product is used to fill infected and hard-to-reach root canals, and to fill the canals with partial pulp extirpation.

FEATURES

The antiseptic paste contains para-chlorophenol, which has a bactericidal and microbostatic effect against all types of bacteria and complex viruses.

The paste contains camphor, which softens the effect of phenols, and zinc sulfate, which is an effective hemostatic antiseptic.

Cresodent-VladMiVa paste is radiopaque and easy to insert. It fills the root canal completely. The product cures within 24-78 hours and binds intracanal moisture.

The Cresodent-VladMiVa paste does not contain formalin and does not irritate periapical tissues.

PACKAGING

Code 00000000067	Paste - 25 g
------------------	--------------

ANALOGUES FOR USE  
Cresopate, Septodont, France

## EODENT LONG-HARDENING

### ZINCOXIDE-EUGENOL CEMENT

#### APPLICATION

The product is used to fill root canals, both in adult and pediatric dentistry.



#### FEATURES

Eodent Long-Hardening is available as a powder/liquid set. The powder contains zinc oxide, hydroxyapatite, which stimulates bone tissue regeneration, and a radiopaque filler. The liquid contains eugenol with plasticizing additives, which provide high filling of the powder-liquid system (3-4:1) during mixing and low solubility ( $\leq 0.5\%$ ) of the material.

Eodent Long-Hardening has a long effective time (6-8 hours), high plasticity, long curing time (48-72 hours), good sealing effect, and prolonged antimicrobial effect. The material can be easily removed from the root canal.

#### PACKAGING

Code 00000000138 Powder - 25 g, Liquid - 8 ml

ANALOGUES FOR USE  
Eodent, PSP Dental, UK

## IODENT

### HARDENING IODOFORM AND CAMPHOR PASTE

#### APPLICATION

The product is used to fill root canals of permanent or deciduous teeth in the treatment of pulpitis and acute or chronic periodontitis.



#### FEATURES

Iodent paste has a prolonged disinfecting and bactericidal effect. It contains:

- chlorophenol (phenolic antiseptic);
- camphor, which softens the effect of phenol;
- iodoform, which provides a lasting bactericidal effect in root canals;
- a hydrophobic paste former,
- a radiopaque filler that ensures the formation of bone osteoblasts in the apex area.

The hardening paste iodent cures in the root canal under the effect of the intracanal moisture within 72 hours. Slight pain is possible when the paste iodent is removed beyond the apex. The paste dissolves in soft tissues.

When used in pediatrics, it does not prevent the formation of the underlying tooth germ.

The **non-hardening paste** iodent is used in multi-stage treatment. After the treatment, iodent Hardening paste reduces the possibility of complications and pain after filling, since both pastes have the same antiseptic ingredients.

#### PACKAGING

Code 00000001383 Hardening paste - 25 g  
Code 00000000032 Non-hardening paste - 25 g

ANALOGUES FOR USE  
Tempophore, Septodont, France; Abcess Remedy paste, PD, Switzerland  
Iodoform pasta, PD, Switzerland;  
Jodoformova pasta, Spofa Dental, Czech Republic

CALCIUM HYDROXIDE BASED SEALER

**OXIDENT**



**APPLICATION**

The product is used to fill root canals in the treatment of pulpitis or apical periodontitis.

It is used in combination with gutta-percha pins (singlepin method and all types of condensation technique) or silver pins.

**FEATURES**

«Oxident» is a two-component (paste-paste) radiopaque material based on calcium oxide and salicylates. Calcium oxide binds residual moisture on the walls of the root canal and carbon dioxide, forming calcium hydroxide and carbonate, sealing microcanals; providing an alkaline environment (pH 12.8), disinfects root canals; stimulates reparative regeneration of peri-root tissues.

Mixing equal quantities of basic and catalytic paste produces a plastic mass for filling channels. The working time of the material on the mixing plate is from 8 to 18 hours at a temperature of 21-23°C and 50% humidity. In the tooth canal the material hardens within 2 hours (at temperature 37°C and 100% humidity), as moisture accelerates the interaction of calcium oxide and hydroxide with salicylates, which exhibit antiseptic properties. The paste has excellent flowability and plasticity, it is easily inserted into the canal with a canal filler or gutta-percha post.

After curing, the material has low solubility in living tissue fluids and does not stain the tooth tissue. The material can be combined with the etching technique and any etchant, composite or amalgam.

**PACKAGING**

Code 00000018849      Basic paste - 12 g; Catalytic paste - 12 g

ANALOGUES FOR USE  
Sealapex, Kerr, USA

CALCIUM-PHOSPHATE CEMENT

**PHOSPHADENT**



**APPLICATION**

Root canal filling, both with and without pins, for all types of permanent filling materials, including composite ones.

**FEATURES**

- Phosphadent contains:
- calcium hydroxide;
  - calcium phosphates;
  - calcium fluoride;
  - radiopaque additives.

Phosphadent has low solubility, forms a plug in the area of the apical opening with careful filling of the upper part of the canal at a distance of 0.5-0.7 mm from the apex.

When mixing powder and water, calcium hydroxyapatite is formed in the chemical reaction. It stimulates the formation of connective tissues at the apex level. The paste cures in the root canal within 72 hours.

**PACKAGING**

Code 00000000130      Powder - 15 g, Liquid - 12 ml

ANALOGUES FOR USE  
Biocalex, Spad,  
France Biopulp, Chema,  
Poland



## RESODENT – VLADMIVA

### ANTISEPTIC MATERIAL BASED ON RESORCIN-FORMALINE

#### APPLICATION

Antiseptic treatment and filling of root canals with partial pulp extirpation as well as of difficult canals.

#### FEATURES

Resodent-VladMiVa contains:

- liquid containing formaldehyde;
- curing liquid containing resorcin and catalyst;
- powder containing trioxymethylene and radiopaque filler.



Mix both liquids with powder. The radiopaque paste remains elastic for 0.5 hour and fills the root canal completely. The paste cures within 24 hours. The main active ingredient is a resorcinol-formaldehyde resin with bactericidal properties.

To provide an effective anti-inflammatory and anti-allergic effect, Resodent-VladMiVa with dexamethasone contains dexamethasone(0.2%).

#### PACKAGING

##### «Resodent-VladMiVa»

Code 0000000128

Powder 10g, Liquid 5 ml, Liquid 5 ml

Code 00000018850

Powder 40g, Liquid 25 ml, Liquid 25 ml

##### «Resodent-VladMiVa»

Code 00000018851

with dexamethasone: Powder 20g, Liquid 10 ml, Liquid 10 ml

ANALOGUES FOR USE  
Forfenan, Septodont, France  
Foredent, Spofa Dental, Czech Republic

## SILDENT

### ROOT CANAL SEALER ON SILICON BASIS

#### APPLICATION

Filling root canals in the treatment of pulpitis or apical periodontitis.

Single-rooted and multi-rooted teeth are filled in combination with gutta-percha posts, narrow root canals (cheek canals of upper molars, mesial canals of lower molars in elderly patients) are filled without posts.



#### FEATURES

Sildent is available as a paste+paste set. Different colors (white and yellow) indicate homogeneity when the product is mixed. The standard mixing ratio is 1:1. The plastic paste loses its plasticity at 22°C within 1 hour. The base paste cures in the root canal within 1-3 hours, turning into elastic, non-shrinking material with low solubility.

Sildent contains:

- synthetic rubber;
- hydroxyapatite stimulating osteogenesis of bone tissue;
- iodoform, i.e. long-acting antiseptic;
- radiopaque fillers, stabilizers and fillers containing calcium.

Due to microdispersity of fillers, Sildent can be used for filling with gutta-percha pins.

#### PACKAGING

Code 00000001572

White paste - 7 g; Yellow paste - 7 g

WATER-CURED GLASS IONOMER CEMENT

STIODENT



APPLICATION

Fill root canals in combination with gutta-percha or metal pins.

FEATURES

Stiodent features high biocompatibility, good adhesion to dentin, radiopacity, low solubility, and high mechanical stability. Stiodent powder is a mixture of fine alumino-fluorosilicate glass powder and polyacrylic acid. Stiodent is easily mixed with water to the required consistency.

The glass ionomer reaction starts immediately after mixing the powder with water and is accompanied by the release of fluorine ions, which strengthen the dentin and have a bactericidal effect.

When used with gutta-percha or metal pins, the Stiodent provides a strong and safe root canal filling. If necessary, the canal can be deobturated by combining the chemical action of Solvudent with the mechanical action.

PACKAGING

Code 0000000122 Powder - 10 g

ANALOGUES FOR USE  
Ketac Endo, Espe, Germany  
Endion, Voco, Germany

ANTISEPTIC ZINCOXIDE-EUGENOL CEMENT

TIEDENT



APPLICATION

Filling root canals of teeth in the treatment of gangrenous pulpitis, all forms of periodontitis, especially in the acute stage, as well as in the presence of changes in the bone of the tooth root. The material Tiedent is used as a sealant when filling root canals with gutta-percha posts.

FEATURES

Dental material Tiedent is an zinc oxide & eugenol cement. The product has two components: powder and liquid.

The **powder** contains:

- zinc oxide;
- hydrocortisone acetate (1%), which is a corticosteroid that has a strong anti-inflammatory effect and reduces periapical pain;
- dexamethasone (0.01%), which is a more active glucocorticosteroid that contains fluorine and has anti-inflammatory and anti-allergic effects;
- thymol iodide, i.e. antiseptic of long action;
- filler;
- radiopaque fillers.

The **liquid** contains:

- eugenol, i.e. liquid with a slight sedative and bactericidal effect;
- plasticizer.

To get the plastic cement, mix the powder with the liquid. The material remains soft for 5-7 hours. It cures in the root canal within 48 to 72 hours.

Tiedent is a highly elastic and radiopaque dental material. It has bactericidal and anti-inflammatory effects, and does not irritate radicular tissues. When filling with gutta-percha pins, it hermetically seals the side parts of the root canal and ensures the adhesion of the pins to each other and to the inner surface of the root canal. When the paste is removed beyond the apex, the irritation of the periapical tissues is insignificant.

PACKAGING

Code 00000026009 Powder - 14 g, Liquid - 10 ml  
Code 00000009158 Powder - 14 g

ANALOGUES FOR USE  
Endomethasone N, Endomet Plain, Septodont, France  
EndoFill, PD, Switzerland

# TRIOXIDENT

DENTAL MATERIAL BASED ON CALCIUM, SILICON, AND ALUMINUM OXIDES (MTA)

Trioxident is a dental water-plasticized material available as:

- powder;
- powder and liquid (quick-hardening);
- paste+paste.

### APPLICATION

- retrograde filling;
- fill upper apex part of the root canal with incomplete root formation;
- seal perforations and other defects of the root canal;
- treat and isolate the pulp;
- fill root canals in the treatment of pulpitis or apical periodontitis. It is used in combination with guttapercha pins (single-pin method and all types of condensation techniques).



### FEATURES

Trioxident is a calcium-aluminosilicate cement, which contains fine particles of calcium, silicon, aluminum oxides, a plasticizer, a radiopaque filler and an active bacteriostatic additive, i.e. copper-calcium hydroxide. When mixed with water, the product turns into an elastic mass, which actively releases calcium hydroxide (provides a high alkalinity of the material, pH 12.8), gradually cures and turns into insoluble calcium hydro-alumino-silicate during the reaction.

Trioxident stimulates the processes of apexogenesis and osteogenesis in the treatment of teeth with unformed roots, prevents bone resorption and stimulates the formation of dentinal bridges during pulp capping. It has a good bactericidal effect, high biocompatibility, low solubility, and high strength. The product seals root canals perfectly and makes them impervious to bacteria.

	«Trioxident»	«Trioxident» quick-hardening	«Trioxident» paste/paste
Ingredients	calcium, silicon, aluminum oxides, plasticizer, radiopaque filler, copper-calcium hydroxide	calcium, silicon, aluminum oxides, plasticizer, radiopaque filler, copper-calcium hydroxide, hardening accelerator	calcium, silicon, aluminum oxides, plasticizer, radiopaque filler, disalicylate resin
Application	retrograde filling, correction of root canal defects	indirect and direct pulp covering, temporary filling	filling of root canals in the treatment of pulpitis or apical periodontitis (sealer)
Mixing ratio	powder : distilled water 3 : 1	powder : liquid 3.5 : 1	paste : paste 1 : 1
Active time	10-15 min	3-4 min	4-8 hours
Initial cure time	4 hours	12-15 min	2 hours
Compressive strength	40±2 MPa	>90 MPa	

### PACKAGING

- Code 00000008627 Powder – 0,3 g x 10, with tools (3 pcs)
- Code 00000005128 Powder (package) – 0,5 g x 10
- Code 00000005417 Powder (capsules) – 0,35 g x 10
- Code 00000052555 Paste – 1 g, Paste – 1 g
- Code 00000053104 Paste – 2.4 g, Paste – 1.6 g
- Code 00000043105 Paste – 7.2 g, Paste – 4.8 g
- Code 00000007747 Tools, 3 pcs
- Code 00000026011 Tools, 1 pc
- Code 00000043519 (quick-hardening) Powder – 0.5 g x 10, Liquid – 3 ml

\* The use of tools for retrograde filling allows dosed, effortless application of the material to hard-to-reach areas of the root canal.

ANALOGUES FOR USE  
ProRoot, MTA, Dentsply, USA  
MTA-Angelus, Angelus, Brazil  
MTA-Fillapex, Angelus, Brazil  
Biodentine, Septodont, France

ANTISEPTIC CEMENT BASED  
ON BAKELITE RESIN

TRICREDENT



APPLICATION

Fill root canals in case of apical periodontitis and pulpitis.  
Do not use in case of arsenic periodontitis and root canal bleeding when treating pulpitis using vital extirpation method.  
Tricredent is also used to fill root canals using guttapercha pins.

FEATURES

Tricredent is available as a set of two components:  
Tricredent **Liquid** is a solution of tricresol-formaldehyde bakelite resin, which has an antiseptic effect.  
Tricredent **Powder** contains radiopaque filler. Mix 1-2 volume parts of the powder with 1 volume part of the liquid.  
The radiopaque paste obturates the root canal perfectly, does not shrink and barely stains the hard tissues. Cure time is from 48 hours to 2-3 weeks (depending on the consistency).  
The product can cause slight pain if in contact with tissues outside apex.

PACKAGING

Code 00000001042 Powder - 15 g, Liquid - 10 ml, Solvent - 10 ml

ANALOGUES FOR USE  
Creidodent, Alpha-Beta Medical Supply, USA

SEALER BASED EPOXY RESIN

VIEDENT



APPLICATION

Fill root canals in the treatment of pulpitis or apical periodontitis using gutta-percha pins (single point method and all types of condensation).

FEATURES

Viedent is a two-component powder+liquid or paste, radiopaque material that contains calcium hydroxide and epoxy resin.

Effective time is 1-1.5 hours depending on temperature.

Viedent cures within 8-24 hours. After curing, the obtained aminopolymer features bioinertness to tooth tissues and does not affect them toxically. Viedent has good adhesion to the root canal dentin, bactericidal properties, high strength, and low shrinkage and solubility. It seals the root canal perfectly.

Viedent can be used with silver and titanium pins.

PACKAGING

Code 00000000022 Powder - 20 g; Liquid - 10 ml  
Code 00000002108 White paste - 4 ml; Yellow paste - 4 ml

ANALOGUES FOR USE  
AH-26, AH-Plus, Dentsply, USA  
Acroseal, Septodont, France

# ARMODENT

## TOOTH TISSUE REPAIR SET

### APPLICATION

Pre-fabricate root implant pins for strengthening and restoring the coronal part of depulped teeth before prosthetics.

### FEATURES

Armodent contains:

- silanized fiberglass pins;
- 4-sided drills;
- dual cure composite cement;
- single-component adhesive;
- etching gel.

#### «Armodent» Silanized Fiberglass Pins:

- have increased strength, durability, elasticity, good conductivity and radiopacity;
- have an elastic modulus close to dentin, provide a uniform distribution of external loads in the pin — tooth tissue system, and reduce the risk of tooth fracture;
- have micro-mechanical adhesion to the composite due to the rough surface of the fibers, and good chemical adhesion due to the chemical affinity of the oligomeric pin matrix to the composite material;
- do not change the color of composite restorations and all-ceramic structures;
- are easy to use, easy to remove from the root canal in case of need for repeated endodontic treatment.



Glassfiber pin



Drill four-sided

**Compofix Dual Cure Composite Resin Cement** has low solubility, sufficient strength, adhesion to hard tooth tissues and surfaces of various orthopedic structures.

**DentLight Single-Component Adhesive** provides a strong bond (adhesion) of the composite material with the dental hard tissues.

**The organic-based etching gel** has an optimal flowability. It removes the smeared layer from dentin within 30 seconds and exposes the dentinal tubules (which ensures higher adhesion of the filling material to the root canal dentin) and is completely washed off with water.

**ARMODENT** is used to create a reliable monolithic support for the restoration design.

### PACKAGING

#### Set

Code 00000008909	Glassfiber pin Ø=1.0 mm	6 pc
	Glassfiber pin Ø=1.2 mm	6 pc
	Glassfiber pin Ø=1.4 mm	6 pc
	Four-sided drill Ø=1.0 mm	1 pc
	Four-sided drill Ø=1.2 mm	1 pc
	Four-sided drill Ø=1.4 mm	1 pc
	Compofix Composite Cement	3.5 g x 2
	DentLight Single-Component Adhesive	5.0 ml
	Organic etching gel	3.0 ml

#### Pins

Code 00000008910	Glassfiber pin (Ø=1,0 mm)	10 pc
Code 00000008911	Glassfiber pin (Ø=1,2 mm)	10 pc
Code 00000008912	Glassfiber pin (Ø=1,4 mm)	10 pc

#### Drill

Code 00000000000	Four-sided drill Ø=1.0 mm	6 pc
Code 00000000000	Four-sided drill Ø=1.2 mm	6 pc
Code 00000000000	Four-sided drill Ø=1.4 mm	6 pc

Available as set and as separate items

ANALOGUES FOR USE  
DC Light Post, Estade-Servicegroup, Russia  
D.T. Light Post, Bisco, USA  
Glassix, H. Nordin SA, Sweden

# HEMOSTATIC MATERIALS

the products are used to stop apical bleeding in root canals

## ACTIVE INGREDIENT ALUMINUM CHLORIDE



 **ENDOZHY N°4**



 **ALUMOGEL**



 **CAPRAMIN**  
based on aluminum chloride

## ACTIVE INGREDIENT FERROUS SULFATE



 **ALUMOGEL (forte)**



 **CAPRAMIN**  
based on ferrous sulfate

# Treating Dental material

viv  
VLADMIVA

## CALCIUM-CONTAINING MATERIALS

Calcelight  
Calcesil  
Calcevit  
Calcetate

## CHEMICAL-MECHANICAL PREPARATION OF CARIOUS CAVITIES

Caricleans

## HEMOSTATIC MATERIALS

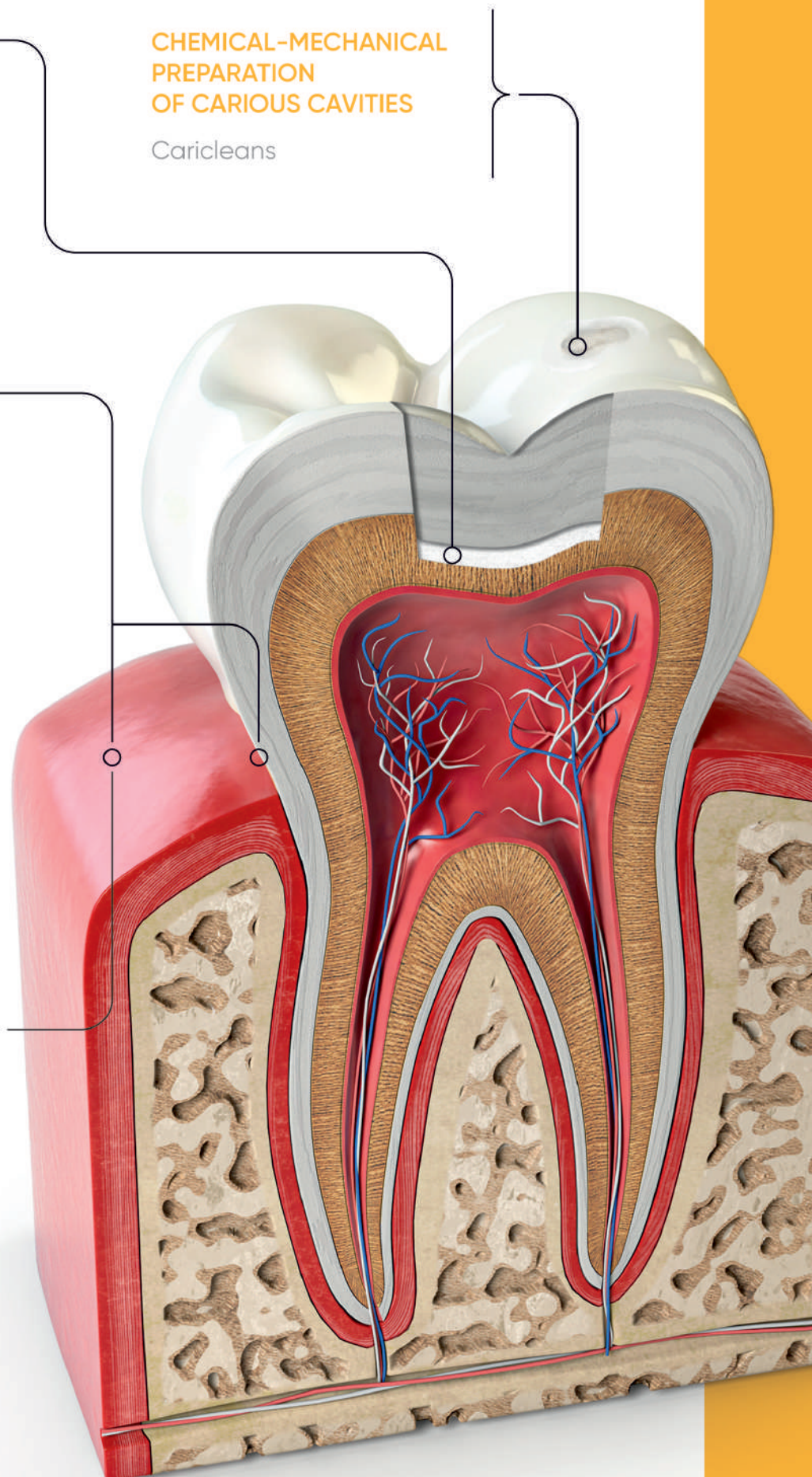
Alumosil  
Alumogel  
Alvanes  
Capramin  
Re-Cord

## MATERIALS FOR GUM TREATING

Belaiod  
BelSol No. 2, No. 3  
Vitadont  
KP-Plast  
Parasept  
FtorAsept

## ANESTHETIC MATERIALS

Desensil  
(gel, paste, spray)



LIGHT-CURED CALCIUM CONTAINING MATERIAL

CALCELIGHT



APPLICATION

Calcium-containing pads for covering deep carious cavities (i.e. indirect pulp isolation) under fillings made of glass ionomer and composite materials.

FEATURES

Calcelight is a one-component light-cured radiopaque padding material, which contains calcium hydroxide, a polymer binder (oligocarbonate methacrylate), a radiopaque filler, photopolymerization initiators and activators.

Calcelight prevents pulp from toxic effect of permanent filling. The product has a high stability, low solubility, thermal insulating effect and chemical affinity with polymer materials, which provides a high level of adhesion to composites.

The controlled short curing time at non-limited working time creates additional conveniences in usage.

PACKAGING

Code 00000000036 / 00000018854 Paste - 3,5 g / 1,5 g

ANALOGUES FOR USE  
Ultra-blend plus, Ultradent, USA  
Cavity Liner LC, PD, Switzerland

CALCIUM CONTAINING CHEMICALLY CURED MATERIAL

CALCESIL



APPLICATION

Therapeutic liner for direct and indirect pulp capping under all types of permanent fillings.

FEATURES

Calcesil is a two-component (paste+paste) radiopaque calcium-containing chemically cured material.

The material has a high clinical effect (stimulates dentinogenesis during and after dental treatment, restores the plastic functions of the pulp) and contains:

- calcium hydroxide ensures the formation of the secondary layer of dentin, the restoration of the traumatized pulp and the preservation of its viability;
- calcium phosphates and fluoride strengthen tooth tissues;
- methylsalicylate has an antiseptic effect on hard tissues microflora and forms chelate complexes with calcium;
- radiopaque additives, paste former and high-dispersed filler.

Calcesil has the following features:

- low solubility in the dentinal fluid;
- good radiopacity;
- good handling properties (fluidity is 10-35 mm, cure time is 4 to 10 minutes);
- high clinical efficiency (stimulates dentinogenesis during and after tooth treatment, restores the plastic functions of the pulp and preserves its viability).

PACKAGING

Code 00000000035 Basic paste - 5 g; Catalyst paste - 3 g  
Code 00000042538 Basic paste - 13 g; Catalyst paste - 11 g

ANALOGUES FOR USE  
Dycal, Dentsply, USA  
Calcimol, Voco, Germany  
Septocalcine ultra, Septodont, France  
Cavity Liner» Compound – «PD, Switzerland



## CALCEVIT

### CALCIUM CONTAINING PASTE ON CALCIUM HYDROXIDE BASIS

Calcevit with calcium hydroxide is a multi-purpose material available in two forms:

- **ready-to-use paste;**
- **powder mixed with distilled water or saline (see «Endodontic Dental Materials»).**

#### APPLICATION

Therapeutic pads for indirect and direct pulp capping in the treatment of deep caries and reversible forms of pulpitis with a biological method (while maintaining the viability of the root pulp).

#### FEATURES

Calcevit Paste contains:

- highly dispersed calcium hydroxide, which creates a high pH level ( $\geq 12.5$ ), provides a long-term bactericidal effect, and also stimulates pulp cells to create a dentin bridge, and stimulates odontoblasts to create secondary dentin;
- a water-based paste former that provides deep penetration of the material into the dentinal canals and their sealing;
- calcium fluoride that strengthens dental tissues;
- radiopaque additives.

Calcevit Paste demonstrates good results: due to the resulting sterility (provided by the alkaline reaction) and calcification of the dentinal canals, the access of bacteria and their metabolic products to the pulp is prevented completely, which prevents the subsequent infection.

#### PACKAGING

Code 00000000034

Paste - 7 g

#### ANALOGUES FOR USE

«Calxyd» – «Spofa Dental», Czech Republic  
«Calcipulpe» - «Septodont», France  
«Cavity Liner paste» - «PD», Switzerland



## CALCETATE

### CALCIUM HYDROXIDE SUSPENSION

#### APPLICATION

Isolate cavities before insertion of cement pads, permanent fillings and for treating tooth stumps before cementing crowns and bridges.

#### FEATURES

Calcetate is a white suspension, which contains calcium hydroxide, fluorinating component (calcium fluoride), film thickener (polystyrene, natural resins) and evaporating base.

The suspension covers the hard tissues with a dry film containing filler particles, calcium hydroxide and fluorine-containing components. They provide the film roughness due to their different sizes, which improves the adhesion of the applied material.

The resulting film adheres tightly to the tissues of the tooth, covering the dentinal canals and protecting the dentin and pulp from the harmful effects of composite materials. The film creates a chemical barrier to acids in the filling material, reducing tooth sensitivity under amalgams and reducing the chance of secondary caries.



#### PACKAGING

Code 00000000037

Suspension - 5 ml; Solvent - 15 ml

#### ANALOGUES FOR USE

«Contrasil» – «Septodont», France

## IODINE-CONTAINING ANTISEPTIC PASTE

## BELAIOD



## APPLICATION

- antiseptic treatment of the oral mucosa in the treatment of stomatitis, gingivitis, and periodontitis;
- treatment of infected root canals.

## Contraindications:

Adverse reactions to iodine-containing substances.

## FEATURES

Belaïod Paste has a pronounced bactericidal effect on staphylococci, candida, albicans, etc. It is also used as an antibiotic in the periodontitis treatment.

Glycerin and lecithin mitigate and prolong the effect of iodine.

## PACKAGING

Code 00000001326

Paste - 3 g

## ANALOGUES FOR USE

«Iodo Glycol Paste Neo» - «Neo Dental Chemical Products Co., Ltd», Japan

## ANTISEPTIC LIQUIDS AND GEL

## BELSOL N°2, N°3



## APPLICATION

Preventive and antiseptic treatment of the oral mucosa in the treatment of gingivitis and periodontitis.

## FEATURES

Ready-to-use liquid and gel N° 2 contain chlorhexidine bigluconate, which is a broad-spectrum antiseptic that is effective against gram-positive and gram-negative bacteria and retains antiseptic properties in direct contact with biological fluids, reduces plaque formation.

Liquid N° 2 is ready for use. It contains **0.05% chlorhexidine bigluconate** and does not require dilution with water. Gel N° 2 contains **0.2% chlorhexidine bigluconate** and a gelling agent. The product has a gel-like texture, which makes it possible to apply it pointwise to the affected areas, which eliminates the effect of chlorhexidine bigluconate on tooth enamel.

Liquid N° 3 contains a complex of biologically active antioxidants (beta-carotene, vitamin E, vitamin C) to protect against free radicals, reduce bleeding and accelerate the regeneration of the oral mucosa.

The set of dental liquids BelSol contains:

- **liquid No. 1 (concentrate)** is used to rinse the patient's oral cavity before visiting a dentist or before casting (see «Prophylactic Dental Materials»);
- **liquid No. 1 with fluoride (concentrate)** is used for fluoridation and prevention of dental caries and gum diseases (see «Prophylactic Dental Materials»);
- **liquid No. 2 (concentrate)** is used to treat prepared tooth cavities before filling, and to treat infected root canals in the treatment of pulpitis and periodontitis (see «Endodontic Dental Materials»)

## PACKAGING

Code 00000007813 / 00000073759

Code 00000045529 / 00000042537

Code 00000002190

Liquid No2 - 0,05%

Gel No2 - 0,2%

Liquid - concentrate No3

- 100 ml / 500 ml

- 10 g / 5 ml

- 20 ml

## ANALOGUES FOR USE

«Elugel», «Pierre Fabre», France  
«Curacept ADS350», «Curadent», Switzerland

## FTORASEPT

### ANTISEPTIC GEL

#### APPLICATION

- treat inflammations and bleeding gums, treat the oral mucosa under removable dentures;
- prevent caries, hyperesthesia, hypoplasia, and noncariou enamel lesions.

#### FEATURES

##### FtorAsept Gel contains:

- chlorhexidine, which is an antiseptic, active in low concentrations. It is very effective against gram-positive, gram-negative bacteria and fungal flora. Due to the residual activity, it provides a prolonged bactericidal effect on microorganisms that form plaque, contributing to the prevention and treatment of gingivitis, and reduces gum inflammation.
- aminofluoride is the most effective carrier of fluorine ions, providing an optimal concentration of active fluoride on the surface of hard tissues of the tooth and providing an anti-cariou effect. Forming a highly stable protective layer on the surface of the teeth, resistant to the action of saliva, preventing the loss of calcium, aminofluoride, which does not dissolve in acids, reduces the permeability of tooth enamel. Aminofluoride is a surface-active substance that protects the hard tissues from dental plaque.
- natural betaine, which protects living cells and easily transports water to moisturize them, which is useful for the water balance of the oral mucosa, and relieves the «dry mouth» symptom.

**FtorAsept Gel has a pleasant taste.**

#### PACKAGING

Code 00000007475

Gel - 10 g

ANALOGUES FOR USE  
«Elmex gelee»— «GABA», Switzerland



## KP-PLAST

### SELF-RESOLVING PLATES BASED ON NATURAL POLYSACCHARIDES

#### APPLICATION

Treatment and prevention of bleeding and inflammatory periodontal diseases with gingivitis and periodontitis.

Available as:

- «KP-Plast» phyto;
- «KP-Plast» vita;
- «KP-Plast» antimicrobial;
- «KP-Plast» white.

#### FEATURES

**KP-Plast** self-absorbing plates based on natural polysaccharides allowing to maintain the necessary therapeutic concentration to medicinal substances in the affected periodontal tissues.

**KP-Plast Phyto** two-layer plates consisting of a hydrophilic and hydrophobic layer. The plates contain environmentally friendly extracts of chamomile, calendula and yarrow. Milfoil contains Vitamin K and silicic acid salts that have a hemostatic effect and increase blood clotting. Chamomile extract has anti-inflammatory and anti-allergic effects, and also contributes to the intensification of regenerative processes of the oral mucosa. Calendula has bactericidal effect at coccal microflora, and a well-defined anti-inflammatory and epithelizing effect.

**KP-Plast Vita** two-layer plates consisting of a hydrophilic and hydrophobic (vitamin complex: C, E, beta-carotene) layer. Beta-carotene protects the cellular structures of the soft tissues of the oral cavity from destruction by free radicals, heals and strengthens the gums. Vitamin E increases the tone of weakened blood capillaries, helps reduce bleeding and restore periodontal tissues, accelerates healing of wounds of the oral mucosa. Vitamin C helps to reduce the permeability of connective tissue and capillary cells, reduce intercellular spaces, which not only relieves swelling, but also makes oral mucosa tissues inaccessible for the penetration of infectious agents.

**KP-Plast Antimicrobial** two-layer plates consisting of a hydrophilic and hydrophobic (metronidazole and chlorhexidine) layer. Chlorhexidine has a rapid and strong bactericidal effect on Gram-positive and Gram-negative bacteria. The combination of chlorhexidine and metronidazole is effective against anaerobic bacteria colonising the oral cavity. The use of plates allows prolonged maintenance of the necessary therapeutic concentration of antimicrobial agents. concentration of antimicrobial substances in the affected periodontal tissues.

**KP-Plast White** is self-adhesive polymer film for teeth whitening that contains hydrogen peroxide 1.5%. Plates are colorless and imperceptible at teeth surface, tightly stick to teeth, preventing the outcome of the active components in oral cavity. The teeth acquire shine at the end of the whitening course, in addition to lightening to a natural color.

#### PACKAGING

Code 00000041027	Plates antimicrobial	(5 x 10 cm) - 2 pc
Code 00000041029	Plates phyto	(5 x 10 cm) - 2 pc
Code 00000041028	Plates vita	(5 x 10 cm) - 2 pc
Code 00000037852	Plates white	(5 x 10 cm) - 2 pc
Code 00000061929	Plates remineralizing	(5 x 10 cm) - 2 pc

ANALOGUES FOR USE  
«Diplen-Denta» - «Nord-Ost», Russia



## EUGENOL-FREE PASTE FOR HEALING COMPRESSES

## PARASEPT



The product is available in two versions:

- Parasept;
- Parasept Antiseptic.

## APPLICATION

- therapeutic and protective compress to treat local forms of periodontitis;
- retention of therapeutic dental materials in the gum, tooth or alveolus;
- temporary tooth filling;
- gum retraction in the cervical region before filling.

## Contraindications:

Product ingredients can cause allergic reactions or hypersensitivity.

## FEATURES

Parasept is a plastic self-curing paste, which contains super gypsum, which determines the cure time, zinc oxide and zinc sulfate, which are the key ingredients with main functional properties, a slight bactericidal, antiseptic and drying effect, and a number of additives, such as cellulose fiber, polybutyl methacrylate, plasticizers (dioctyl or dibutyl phthalate) and flavoring (isoamyl acetate), that form the appearance and consistency of the material.

The paste cures in the moisture in the oral cavity. The cured paste adheres tightly to the gum, tooth, alveolus (if applied as a compress), or seals the carious cavity (if applied as a filling). It protects the teeth against infection, prevents therapeutic materials applied under the compress from being washed out with saliva. In the oral cavity, Parasept remains soft for 2-3 minutes after application to the treated area. The product cures completely in 20 minutes.

The cured paste adheres tightly to the gum, tooth, alveoli, reliably protecting against infection, and preventing therapeutic materials applied under the compress from being washed out with saliva.

Features:

- Cure time is 8 to 20 minutes;
- Fluidity is 5 to 20 mm;
- pH is 5.5 to 7.5;
- Max. solubility is 2.5%.

## PACKAGING

Code 00000036609

Paste - 60 g

ANALOGUES FOR USE  
«Septo-pack» – «Septodont», France



## PARASEPT ANTISEPTIC

## APPLICATION

- retention of therapeutic dental materials in the gum, tooth or alveolus.

## Contraindications:

Product ingredients can cause allergic reactions or hypersensitivity.

## FEATURES

Parasept Antiseptic is eugenol-free soft paste, which contains zinc sulfate cement powder and a biocompatible fiber filler.

The antiseptic paste has a softer consistency, which makes it easy to apply as a compress. The product is used as a therapeutic and protective compress in combination with drugs to reduce pain and relieve inflammation.

## PACKAGING

Code 00000036608

Paste - 60 g

ANALOGUES FOR USE  
«Septo-pack» – «Septodont», France

## VITADONT

### LECITHIN BANDAGE PASTE WITH VITAMINS

#### APPLICATION

Treatment and prevention of gingivitis and periodontitis.

#### FEATURES

Vitadont is an antibacterial bandage paste with a wax-lecithin complex that contains beta-carotene, vitamins E and C. The product has a sedative and anesthetic effect.

Its natural components and bioactive substances ensure the softness and elasticity of periodontal tissues. Vitamin complex (beta-carotene, vitamin E and ascorbic acid) effectively protects oral mucosa from active pro-oxidants (i.e. active forms of oxygen and free radicals). Lecithin provides quick assimilation of vitamins.

Therapeutic components of beeswax (the most valuable natural component) help to relieve pain, disinfect the oral cavity and have regenerating effect



#### PACKAGING

Code 00000000008

Paste - 15 g

ANALOGUES FOR USE  
«Expasyl» - «Pierre Rolland», France

## ALUMOGEL

### HEMOSTATIC GEL

Alumogel is available as: Alumogel and Alumogel (forte).

#### APPLICATION

- hemostatic treatment in case of capillary bleeding; gum retraction before casting, cervical caries treatment;
- professional hygiene;
- root canal treatment in case of apical bleeding.

#### FEATURES

The hemostatic effect of aluminum chloride, which is the main component of the Alumogel, is enhanced by centimonium bromide that has a bactericidal effect. The gel form allows the material to be applied locally without spreading, while achieving the maximum concentration of hemostatic in the hemorrhage.

**Alumogel** (forte) contains iron salts, which facilitate hemostasis.

**Alumogel** (forte) can change the color of the gum tissues, which is restored after 1-2 days. Hemostatic gels Alumogel and **Alumogel** (forte) are non-toxic, easy to use, do not cause irritation, and are easily washed off with a water jet.



#### PACKAGING

Code 00000004651

Gel - 5 ml

Code 00000004796

Gel forte - 5 ml

ANALOGUES FOR USE  
«Race gel» - «Septodont», France  
«Alustat gel» - «Cerkamed», Poland

## RETRACTION PASTE

## ALUMOSIL



## APPLICATION

- Temporary atraumatic retraction and gum dewatering:
- by restoration the cavity of II and V class;
  - by taking impressions;
  - by fixation of crowns and dental bridges;
  - by periodontal therapy.

## FEATURES

«Alumosil» retraction paste contains:

- aluminum chloride, which determines the astringent, hemostatic and retraction properties of the material;
- inert filler;
- flavoring and technological additives.

The paste introduced into the gingival sulcus provides effective gum retraction, long hemostasis, quickly drains the gingival field, gently affects the tissue. It is easily removed after application by an air-water stream.

## PACKAGING

Code 00000010404  
Code 00000010403

Paste - 1,5 g  
Cannula with paste - 0,3 g x 10

ANALOGUES FOR USE  
«Expasyl» – «Pierre Rolland», France

## ANTISEPTIC HEMOSTATIC MATERIAL

## ALVANES



## APPLICATION

**Alvanes Hemostatic Paste** is used as an astringent for removal of tartar, curettage of periodontal pockets, gingivectomy and after casting.

**Alvanes Powder** is used as a hemostatic agent in the removal of tartar, curettage of periodontal pockets, gingivectomy, alignment of the ridge-shaped alveolar processes, cleaning of the alveoli and after casting.

## Contraindications:

Alvanes Hemostatic Paste is not compatible with penicillin.

## FEATURES

**Hemostatic paste Alvanes** is a resorbable alveolar agent that covers the bleeding surface swells after contact with blood, and compresses damaged capillaries. The pressure and hemostatic effect of aminocaproic acid stop the bleeding immediately.

Alvanes contains: lidocaine hydrochloride (local anesthetic), cetrimide (effective antiseptic), gel regulator, and aminocaproic acid (hemostatic agent).

**Fine antiseptic powder Alvanes** is easily sprayed, covering the bleeding surface of the mucous membrane and stopping capillary bleeding.

The product contains a natural polysaccharide that forms a gel upon contact with blood, sodium alginate, which promotes rapid hemostasis, and an antiseptic agent (iodoform 0.01%).

The product is non-toxic and is compatible to antibiotics or antiseptics.

## PACKAGING

Code 00000000004  
Code 00000000005

Paste - 20 g  
Powder - 7 g

ANALOGUES FOR USE  
«Alvogyl» - «Septodont», France  
«Alistase» - «Septodont», France  
«Alveolex» - «Biodinamica», Brazil

## CAPRAMIN

## HEMOSTATIC LIQUID

Dental liquid is available as a set of two liquids that contain:

- aluminum chloride;
- iron sulfate.

## APPLICATION

- hemostatic treatment in case of bleeding;
- dental alveolus treatment;
- gingival retraction;
- root canal treatment in case of bleeding

Contraindications:

The liquid contains ingredients that can cause allergic reactions. Do not use ferrous sulfate-based dental liquid Capramin with preparations containing epinephrine, as after mixing they form a dark-colored precipitate.

## FEATURES

The effect of Capramin is based on the hemostatic and astringent properties of the main active ingredients: aluminum chloride or iron sulfate.

Capramin **With Aluminum Chloride** is an aqueous solution of aluminum chloride, the hemostatic effect of which is greatly enhanced by cetrimide, which has bactericidal properties.

Capramin **With Iron Sulfate** is an aqueous solution of the active substance (iron sulfate).

Capramin is non-toxic, easy to use, and is easily washed off with a water jet.

## PACKAGING

## Capramin

Code 00000000047      Liquid                      - 30 ml  
Code 00000054321      Liquid-spray                - 30 ml

## Capramin based on iron sulfate

Code 00000050090      Liquid                      - 30 ml



ANALOGUES FOR USE  
«Racestypine» – «Septodont», France  
«Alustat» - «Serkamed» - Poland  
«Hemostatic» - «PD», Switzerland

## RE-CORD

## GINGIVAL RETRACTION SET

The Re-Cord set contains retraction liquid and retraction cords of various thicknesses

## APPLICATION

- gingival retraction;
- elimination of gingival leakage (prevention of leakage of gingival fluid) during the preparation of cavities located in the cervical area of the tooth.

## FEATURES

**Re-Cord Liquid** contains aluminum chloride, which has an astringent-reducing effect, and is used to stop apical and gingival bleeding, and to treat unimpregnated retraction cords.

**Re-Cord Retraction** Cords are available as:

- № 0, № 1, № 2, № 3 (corresponding to the numbers of the similar products: 000, 00, 1, 2).
- dark-colored (for easy detection in the sulcus);
- unimpregnated or impregnated (with aluminum chloride (AlCl<sub>3</sub>) or epinephrine hydrochloride (epinephrine)).

The unimpregnated cotton cord is used for mechanical displacement of the gingival tissue or is impregnated with Re-Cord liquid immediately before retraction.

The impregnated cord Re-Cord is ready to use: the cord (woven cotton, armored with polyester fiber or woven polyester) treated using a special technology with a controlled dose (not more than 0.5 mg per 2.5 cm) of aluminum chloride (blue cord) or epinephrine hydrochloride (green cord).

The use of the Re-Cord set before casting allows getting prints with clearly marked edges of the cervical margins the prepared teeth. The use of a retraction cord in the preparation of cavities located in the cervical margin of the tooth makes it possible to place matrices or other devices in the interdental space without bleeding.

## PACKAGING

Code 00000066233	Retraction liquid -15 ml, Retraction cord (untreated)	№ 1 + № 2 + № 3 - 2,8 m each
Code 00000063307	Retraction cord (untreated)	№ 1 (00) - 2,8 m
Code 00000063331	Retraction cord (untreated)	№ 2 (1) - 2,8 m
Code 00000063308	Retraction cord (untreated)	№ 3 (2) - 2,8 m
Code 00000068821	Retraction cord (treated with aluminum chloride)	№ 0 (000)- 2,8 m
Code 00000061931	Retraction cord (treated with aluminum chloride)	№ 1 (00) - 2,8 m
Code 00000061933	Retraction cord (treated with aluminum chloride)	№ 2 (1) - 2,8 m
Code 00000061934	Retracting cord (treated with aluminum chloride)	№ 3 (2) - 2,8 m
Code 00000068820	Retraction cord (treated with epinephrine)	№ 0 (000)- 2,8 m
Code 00000061935	Retraction cord (treated with epinephrine)	№ 1 (00) - 2,8 m
Code 00000061936	Retraction cord (treated with epinephrine)	№ 2 (1) - 2,8 m
Code 00000061937	Retracting cord (treated with epinephrine)	№ 3 (2) - 2,8 m
m		
Code 00000001045	Retraction liquid - 5 ml	

ANALOGUES FOR USE  
«Racestypine» – «Septodont», France  
«Retracord» – «PSP Dental», England



## GEL AND PASTE FOR REDUCTION OF TEETH AND MUCOSA SENSITIVITY

## DESENSIL



Desensil package contains:

- anesthetic gel for oral mucosa;
- hyperesthesia treatment paste;
- hyperesthesia treatment liquids (see «Auxiliary Dental Materials»).

## ANESTHETIC GEL

## APPLICATION

- anesthesia before injection (deothermocoagulation, excision);
- anesthesia for gum resection during simple curettage;
- facilitation of X-rays in case of high vomiting reflex.

## FEATURES

The main ingredient of the Desensil gel is lidocaine hydrochloride (12%), which effectively relieves pain and does not have an allergic effect on tissues. Lidocaine inhibits penetration of sodium into nerve fibers.

Lidocaine hydrochloride has a longer period of action (2 times longer than novocaine) and better tolerability.

The product has different flavors (mint, orange, wild berry, cherry, and strawberry).

## PACKAGING

Code 00000002328 / 00000024548	Gel (orange flavor)	- 5 ml / 60 g
Code 00000006156	Gel (cherry flavor)	- 60 g
Code 00000002327 / 00000009559	Gel (wild berry flavor)	- 5 ml / 60g
Code 00000002162 / 00000002163	Gel (mint flavor)	- 5 ml / 60 g
Code 00000040293 / 00000007099	Gel (strawberry flavor)	- 5 ml / 60 g

ANALOGUES FOR USE  
 «Xylogel» - «Septodont», France  
 «Xylocontact, creme» - «Pierre Rolland», France  
 «Anaestho Gel» - «Voco», Germany

## PASTE



## APPLICATION

- rapid elimination of dental hyperesthesia symptoms caused by defects in enamel covering or erosion;
- treatment of hypersensitivity of anterior teeth due to milk bite affect by baby bottle tooth decay;
- decrease tooth sensitivity resulting from whitening, grinding during dental crowning, teeth abrasion with improper brushing, etc.

## FEATURES

The material contains:

- hydroxyapatite to remineralize the enamel;
- potassium and sodium ions preventing pain;
- strontium ions, providing long-term protection of tooth hard tissues from sensitivity;
- lecithin, which is part of cell membranes and regulates the transfer of ions and molecules through these membranes;
- eugenol and filling featuring antiseptic effect.

«Desensil» paste remains on teeth for a few hours providing prolonged therapeutic effect on hypersensitive teeth.

## PACKAGING

Code 00000002164	Paste - 5 ml
------------------	--------------



## DESENSIL

### LIQUID BASED ON LIDOCAINE HYDROCHLORIDE

#### APPLICATION

The product is used for local anesthesia with antiseptic treatment of the oral mucosa in the following situations:

- mark the injection place before the injection of an anesthetic during the extraction (loose or primary teeth);
- apply before tartar removal;
- fix crowns and prosthetic bridge;
- relieve nausea and gag reflex at casting and X-ray examination;
- open surface abscesses;
- remove hypertrophied gingival margins.

#### Contraindications:

Allergic reactions to lidocaine hydrochloride, cetrимide or other components of the liquid; sick sinus syndrome in elderly patients; cardiogenic shock; severe liver dysfunction; severe myasthenia gravis; a history of epileptic seizures.



#### FEATURES

The liquid contains lidocaine hydrochloride, cetrимide, and auxiliary components, such as ethyl alcohol, propylene glycol, sweetener, flavor enhancer, and distilled water. Lidocaine hydrochloride (2-diethylamino-2,6-acetyloxylidide hydrochloride) is an anesthetic that has a deep and rapid anesthetic effect on the treated surface.

Cetrимide (cetyltrimethylammonium bromide) is a quaternary ammonium compound. It has antimicrobial effect against gram-positive bacteria, to a lesser extent against gram-negative bacteria, variable antifungal effects, and is effective against viruses. The product has a pleasant mint flavor.

#### PACKAGING

Code 00000018853

Liquid-spray - 30 ml

## CARICLEANS

### SET FOR CHEMICAL-MECHANICAL PREPARATION OF CARIOUS CAVITIES WITHOUT USING DRILLING MACHINE

#### APPLICATION

Caricleans is used in dentistry (including pediatric dentistry) to soften carious dentin in case of medium and root caries without damaging healthy dentin.

A set of special tools is designed for manual removal of softened tissues of carious dentin without using a drill.



#### FEATURES

Caricleans contains two gels to be used one after another. Gel №. 1 contains a hard tissue complexing agent that dissolves the destroyed mineral components of carious dentin. The complexing agent dissolves unstable calcium phosphates and hydroxyapatite without damaging healthy dentin. Gel №. 1 contains an antiseptic (cetrимide), which has a strong protective effect against gram-positive, gram-negative, and anaerobic bacteria.

The main component of gel №. 2 is sodium hypochlorite, which dissolves uncoated collagen fibers (the organic part of dentin). Due to the softening action of the gels, carious and healthy dentin are easily separated from each other. Carious dentin is easily removed with Caricleans tools of different types. Damaged dentin can be effectively and safely removed with special nontraumatic Caricleans tools, which have different geometric shapes and a sharpening angle of cutting edges of 90°. Non-traumatic rectangular sharpening of the cutting edges of the tools provides for their classification as “cleaning” rather than “punching” and reduces the risk of removing healthy dentin. Combined usage of gels with instruments provides effective chemical and mechanical treatment of carious cavities. Gels are not effective in the treatment of carious enamel.

#### PACKAGING

Code 00000001894

Gel №1 - 3 g; Gel №2 - 3 g; Indicator - 10 ml; Tools – 8 pcs

Code 00000001327

Gel №1 - 3 g; Gel №2 - 3 g;

Code 00000003638

Instruments - 8 pcs

Available as a set and separately as set of gels and instruments.

ANALOGUES FOR USE  
«Carisolv» – «Medi Team», Sweden

# MATERIALS FOR PERIODONTICS



## Health of your gums

YOU CAN FIND DESCRIPTIN OF MATERIALS ON THE FOLLOWING PAGES:

Air-Cleans.....	66	Vitadont.....	59
Alumogel.....	59	Gluflored.....	74
Alumosil.....	60	DentLight-flow.....	13
Alvanes.....	60	Desensil.....	69
Alvanes sponge.....	95	Desensil-Active.....	69
Armosplint.....	101	Capramin.....	61
Belagel R.....	67	Klipdent-MC gel.....	92
Belagel-Ca/P.....	72	Klipdent periodontal.....	88
Belagel-F.....	75	Color-test.....	68
Belak-F.....	74	KP-Plast.....	57
Belaiod.....	56	Nanofluor.....	75
BelSol №1.....	67	Parasept.....	58
BelSol №2.....	56	Pectafix.....	103
BelSol №3.....	56	Polident №1, №2, №3.....	68
Bioplast-Dent gel.....	93	Re-Cord.....	61
Bioplast-Dent bits.....	84	EndoZhy №4.....	37

# Prophylactic dental materials

viv  
VLADMIVA

## DENTAL HYGIENE MATERIALS

Air-Cleans  
Belsol No.1  
Belagel-R  
Color-Test  
Polident

## SENSITIVITY REMOVAL

Desensil

## WHITENING MATERIALS

Belagel  
Belagel-O  
(white, light, active)

## REMINERALIZING MATERIALS

Belagel-Ca/P  
Gluftored  
Colordent

## FLUORIZATING MATERIALS

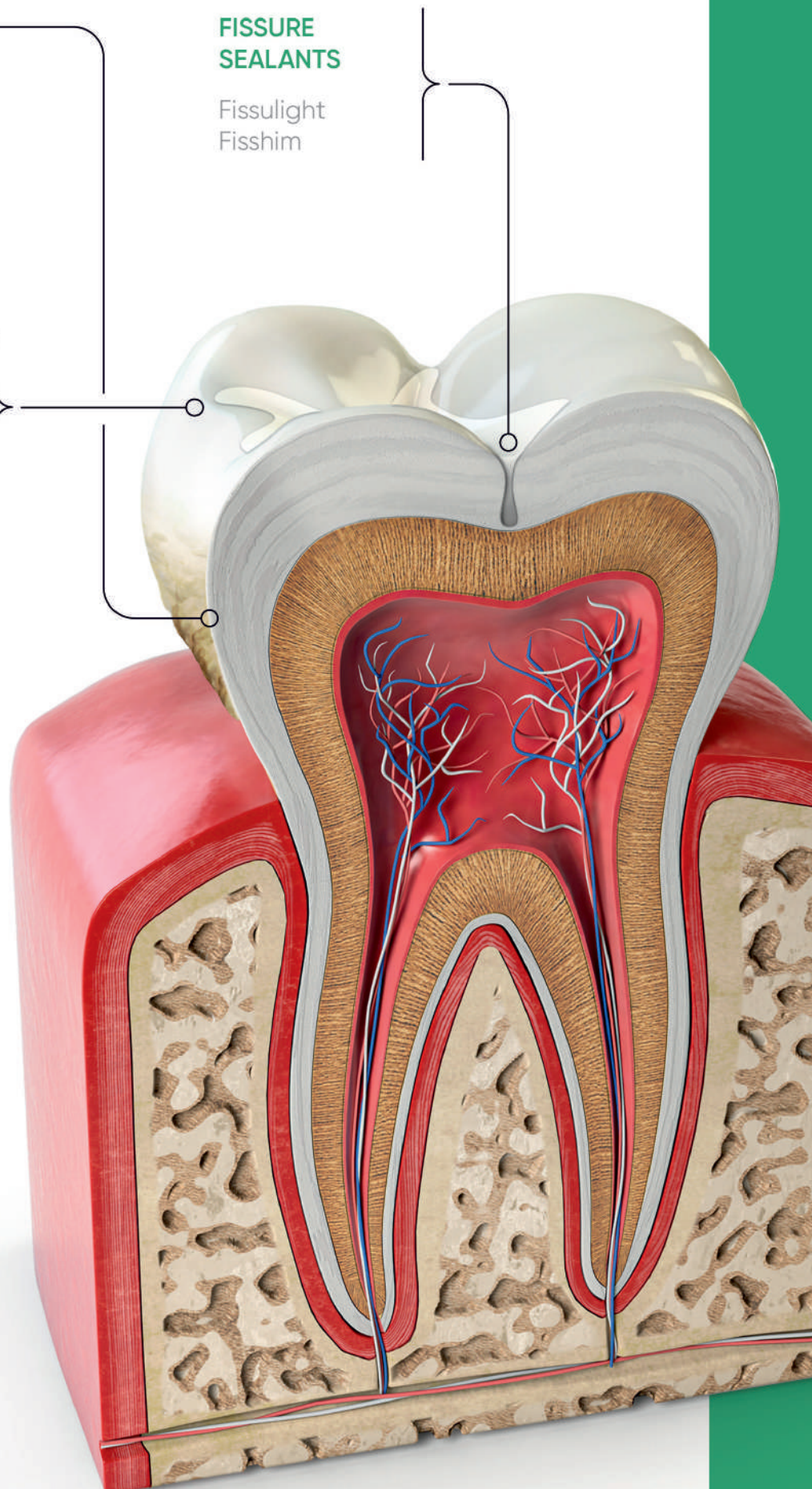
Belak-F  
Belagel-F  
Nanofluor

## SILVERING OF TOOTH HARD TISSUES

Argenate  
(one/two-component)

## FISSURE SEALANTS

Fissulight  
Fisshim



MATERIALS FOR PREPARATION AND  
POLISHING TEETH BY SANDBLASTING  
TREATMENT METHOD

## AIR-CLEANS



## FEATURES

«Air-Cleans»-PROP as the major component contains **sodium hydrocarbonate** with the particles size 65µm, which allows purifying at sparing effect at hard tooth tissues. The powder has a sweet taste (contains sweetening agent), pleasant refreshing smell and lemon, mint, blackcurrant, exotic fruit (tropic) and cherry flavour.

«Air-Cleans»-SOFT is manufactured on glycine basis (average particle size is 65 µm), possesses soft abrasive properties and pleasant sweet taste without adding sweetening agent. Air-Cleans-SOFT is the best solution for regular prophylactic actions and revisits.

«Air-Cleans»-PERIO is manufactured on glycine basis (average particle size is 25 µm), possesses soft abrasive properties and pleasantly sweet taste without adding sweetening agent. The particle size of glycine guarantees sparing effect on the surface of teeth soft tissues, enamel, dentine, fillings, implants and the milk teeth surface of children.

«Air-Cleans»-PREP 29 µm contains an abrasive component, i.e. aluminum oxide, anticompressed component, sweetening agent and flavoring agent (lemon). The average particle size (29µm) and high hardness of abrasive allows easily preparing hard tooth tissues.

«Air-Cleans»-PREP 45 µm contains an abrasive component, i.e. aluminum oxide, anticompressed component, sweetening agent and flavoring agent (lemon). An abrasive with particle size of 45 µm allows preparing carious tooth tissues, effectively removing thick dental deposit, performing preparation of wedge-shaped tooth defects and exact preparation of teeth before their crowning.

«Air-Cleans» suspension is water-based, contains **hydroxyapatite** (particle size is 5-7 µm) and the substances forming the suspension, i.e. emulsifier, preservative and giving the suspension a pleasant refreshing flavor (mint) as an abrasive component. The density of the suspension is 1-1.1 g/cm<sup>3</sup>.

## PACKAGING

## PROP

Code 00000005115	Powder (lemon)	- 20 g
Code 00000006407	Powder (lemon)	- 300 g
Code 00000047437	Powder (cherry)	- 300 g
Code 00000045891	Powder (mint)	- 300 g
Code 00000045893	Powder (blackberry)	- 300 g
Code 00000045892	Powder (tropicana)	- 300 g

## SOFT

Code 00000032612	Powder (65µm)	- 200 g
------------------	---------------	---------

## PERIO

Code 00000032613	Powder (25µm)	- 120 g
------------------	---------------	---------

## PREP

Code 00000007000	Powder (29µm)	- 40 g
Code 00000007725	Powder (29µm)	- 200 g
Code 00000034833	Powder (45µm)	- 40 g
Code 00000034834	Powder (45µm)	- 200 g
Code 00000008913	Suspension	-100 ml

Air-Cleans powders are used in the sandblasting method. The powder effectively cleans hard tissues, restoring their natural color and healthy shine.

«Air-Cleans» is available in the form of 2 different for purpose powders:

«PROP», «SOFT», «PERIO» – for prophylactic treatment;

«PREP» – for preparation of cavities;

and of «Air-Cleans» suspension for removal of tartar (by VECTOR system method).

## APPLICATION

## «Air-Cleans» for prophylactic treatment:

## «Air-Cleans» - PROP

## (on soda basis):

- removal of tartar and soft tooth sediments;
- removal of pigmentations and teeth whitening;
- fissures cleaning before sealing;

## «Air-Cleans» - SOFT

## (on glycine - 65 µm basis)

- removal of minor plaque;
- soft polishing;
- regular teeth cleaning of patients with sensitive periodont;
- expansion of caries cavities.
- removal of biofilm and tooth plaque around brackets.

## «Air-Cleans» - PERIO

## (on glycine - 25 µm basis)

- treatment of gingival pockets;
- subgingival polishing;
- reduce of the amount of pathogenic microbe flora in gingival pockets;
- removal of biofilm around implants;
- dental sickness prophylaxis of children.

## «Air-Cleans» suspension:

- tartar removal;
- purification of tooth roots surface;
- teeth polishing.

## «Air-Cleans» for oral cavities preparation:

## «Air-Cleans» - PREP

## (on aluminum oxide - 29 µm basis)

- preparation of carious cavities in the area of dental neck;
- the final treatment of caries cavities of various localizations;
- using in case of heightened sensitivity of teeth.

## «Air-Cleans» - PREP

## (on aluminum oxide - 45 µm basis)

- old fillings removal;
- removal of thick dental deposit;
- carious cavities expansion.

## ANALOGUES FOR USE

«Air-flow classic» - «EMS», Switzerland;  
«Air-flow perio» - «EMS», Switzerland  
«Air-flow soft» - «EMS», Switzerland

## BELAGEL – R

### SOFTENING GEL

#### APPLICATION

The product is used to identify and mitigate the tooth tartar when it is removed from loose teeth in case of periodontal diseases.

#### FEATURES

The product contains acid, which partially dissolves salts that form tartar. It reduces damage to the hard tissue and mucous membrane than when tartar is removed with conventional tools.

Belagel-R contains essential oils that gives a feeling of freshness, and the blue color of the tartar contrasts with the enamel and oral mucosa, which allows the doctor to control the entire process.

#### PACKAGING

Code 00000000385 Gel - 5 ml

ANALOGUES FOR USE  
«Dentrol Ultra» – «Septodont», France



## BELSOL №1

### LIQUID FOR ORAL CAVITY MUCOSA TREATMENT

#### APPLICATION

BelSol is a treatment liquid for oral cavity:

- **liquid №. 1 (concentrate)** is used for hygienic and prophylactic rinsing before visiting the dentist or casting;
- **liquid №. 1 with fluorine (concentrate)** is used for fluoridation and prevention of caries and gum disease;

#### FEATURES

**Liquid №. 1 (concentrate)** contains aluminum chloride, which has a slight astringent effect, reduces bleeding gums, cleans the oral cavity of mucus and food debris, reduces salivation, and also has a microbostatic and microbicidal effect on oral bacteria.

**Liquid №. 1 with Fluoride (Concentrate)** contains 1.5% sodium fluoride, water, hypoallergenic food colors, flavors and sweeteners.

To get a neutral 0.2% sodium fluoride solution (pH=7) dilute the concentrate with distilled water.

The set of dental liquids BelSol contains:

- **liquid №. 2 (concentrate)** is used to treat prepared tooth cavities before filling, and to treat infected root canals in the treatment of pulpitis and periodontitis (see «Endodontic Dental Materials»)
- **ready-to-use liquid №. 2 (or gel)** is used for prophylactic rinse and antiseptic washe of the mucous surface in case of gingivitis and initial forms of periodontitis (see «Treating Dental materials»)
- **liquid №. 3 (concentrate)** is used to rinse the oral cavity with inflammation processes, gingivitis and periodontitis (see «Treating Dental materials»).

#### PACKAGING

Code 00000002189	Liquid-concentrate № 1	- 125 ml
Code 00000018842	Liquid-concentrate № 1 with Fluoride	- 125 ml
Code 00000025093	Liquid-concentrate № 1 with Fluoride	- 118 ml
	Quart-measure	- 1,14 l
	Plastic cup (0,2 l)	- 50 pc

ANALOGUES FOR USE  
Calypso, Septodont, France



LIQUIDS FOR DIAGNOSTICS OF ORAL CAVITY HYGIENE

COLOR-TEST



APPLICATION

**Liquid No. 1** is used to detect inflammation in the soft tissues of the oral cavity (Schiller-Pisarev test).

This test helps to evaluate the degree of periodontal inflammation and the effectiveness of its treatment. The test is used to determine the area of inflammation to be treated during gingivectomy and curettage of periodontal sockets, to determine subgingival deposits.

**Liquid No. 2** is used to detect softened enamel and dentin in caries, to control the complete removal of carious dentin, and to detect microcracks in fillings.

**Liquid No. 3** is used to detect soft and hard dental deposits and evaluate oral hygiene by a dentist or by the patients themselves at home.

FEATURES

The properties of **COLOR-TEST No. 1**, which contains iodine, potassium iodide and base material, are determined by the ability of glycogen (the amount of which increases during inflammation) to color the soft tissues as it interacts with iodinecontaining solutions. When the liquid is applied to the soft tissues of the oral cavity, inflamed areas get stained.

**COLOR-TEST No. 2** contains the fuchsin, which is adsorbed by the damaged protein of the dental hard tissues and colors the softened enamel and dentin red and violet. Healthy tooth tissues, i.e. enamel and mineralized dentin, do not get colored. Thus, the dentist can determine the level of surgical intervention.

**COLOR-TEST No. 3** contains blue methylene, which imparts a blue color to bacterial plaque without changing the color of intact dental hard tissues and mucous membranes.

**COLOR-TEST No. 4** is used to detect hard-to reach root canal orifices (see «Endodontic dental materials»).

PACKAGING

Code 00000000049 / 00000000051 / 00000000052

Code 00000054637

Code 00000001727

Produced as separate items.

Liquid No1, No2, No3 - 20 ml

Liquid No3 with brush - 2 ml

Liquid No4 - 5 ml

ANALOGUES FOR USE  
«Caries Detektor» - «Kuraray Dental», Japan  
«Caries Marker» - «Voco», Germany  
«Snoop» - «Pulpdent», USA

SET OF ABRASIVE POLISHING PASTES

POLIDENT



Polident polishing paste has an abrasive effect, contains fluoride (fluorine pastes), protects tooth enamel, and has a fresh flavor. Polident pastes contain abrasive, antiseptic and flavor additives, paste thickener and filler.

APPLICATION

**Paste No. 1** softens and removes tartar without damaging the enamel. It is also used to treat discoloration of the hard tissues and is recommended for smokers and those suffering from lithiasis.

**Paste No. 2** removes soft deposits, plaque and is used to treat the enamel before dental restoration, fissure sealing, teeth whitening, and to prevent caries after removing tartar.

**Paste No. 3** is used for enamel whitening, remineralization and fluoridation.

FEATURES

**Polident No. 1** Paste has a pronounced chemical and mechanical effect on thick dental deposits. It contains an acidic agent that softens thick deposits, an abrasive agent that removes deposits from the teeth, and an antiseptic agent that prevents secondary deposits.

**Polident No. 2** contains an abrasive component that cleans the enamel and fissures with minimal risk of damage. Polident No. 2 contains a hydrophilic paste former, which ensures the plasticity of the paste and ease of its application. The material can be easily removed from teeth surface with water.

**Polident No. 3** contains carbamide peroxide, i.e. the most effective enamel-free whitening agent, which whitens tooth tissues. The abrasive agent easily removes soft plaque, the fluorides and phosphorus derivatives contained in the paste remineralize and protect tooth enamel.

PACKAGING

Code 00000000093 / 00000007812 Paste No 1 - 5 ml / 90 g

Code 00000000094 / 00000007811 Paste No 2 - 5 ml / 90 g

Code 00000000096 Paste No 3 - 5 ml

Code 00000000108 Paste No 1, 2, 3 - 40 g / 40 g / 30 g

Available as a set (in jars) and separate items (in syringes and tubes).

ANALOGUES FOR USE  
«Detartrine» - «Septodont», France  
«Detartrine Z» - «Septodont», France  
«Clint» - «Voco», Germany; «Clean Joy» - «Voco», Germany  
«Remin Pro» - «Voco», Germany

## DESENSIL

### LIQUIDS FOR REDUCTION OF TEETH SENSITIVITY

Desensil set contains:

- **set of liquids** to relieve sensitive teeth;
- **anesthetic gel** for mucosa (see «Treating Dental Materials»);
- **paste** for reduction of teeth hyperesthesia (see «Treating Dental Materials»).

#### APPLICATION

Reduce dentine sensitivity in case of:

- wedge-shaped defect, exposure of the cervical part of the tooth crown.
- enamel erosion, treatment of the stump of a vital tooth under a crown and as a lining to treat deep cavities.



#### FEATURES

Dental fluids Desensil №. 1 and №. 2, when used together, become a simple and effective remedy for reducing tooth sensitivity.

**Liquid №. 1** is a solution that contains phosphate, calcium carbonate and antiseptics.

**Liquid №2** is a solution containing calcium and strontium. salts.

When a tooth is sequentially treated with both liquids, a reaction occurs on the dentin surface and in the dentinal canals with the formation of a microcrystalline layer of insoluble salts (3 µm thick). These salts are calcium and strontium phosphates and carbonates. Soluble potassium salts penetrate deep into the dentinal canals, reducing the transmission of a nerve impulse and reducing the pain conductivity.

Desensil liquids do not irritate the tissues of the oral cavity, do not change the dentin color, and do not have an allergic effect.

#### PACKAGING

Code 00000002112

Liquid № 1 - 15 ml, Liquid № 2 - 15 ml

ANALOGUES FOR USE  
Xylonor gel, Septodont, France  
Xylocontact, creme, Pierre Rolland, France  
Anaestho Gel, Voco, Germany

## DESENSIL – ACTIVE

### GEL FOR INSTANT REDUCTION OF TEETH HYPERSENSITIVITY

#### APPLICATION

The product rapidly relieves both existing tooth hypersensitivity and dental hypersensitivity caused by dental procedures.



#### FEATURES

Ingredients: deionized water, sorbitol, silicon dioxide, L-arginine, monofluorophosphate, antibacterial additive, moisturizer, food flavoring.

Desensil-Active reliably closes dentinal tubules, completely blocks pain, acts fast and has a prolonged effect. Besides, Desensil-Active has a gentle polishing effect, it does not change the enamel surface texture and does not affect other restoration materials.

Desensil-Active Gel can be used both before and after dental procedures, such as professional oral hygiene (ultrasonic cleaning), whitening, preparation of teeth for orthopedic treatment, dental and other medical procedures. With regular use in patients with hypersensitive dentin, it creates a long-term barrier that protects against tooth sensitivity.

#### PACKAGING

Code 000000032611

Gel 10 ml

Code 000000061942

Gel 12 ml

ANALOGUES FOR USE  
Elmex Sensitive, Gaba, Germany  
Sensitive Pro-Relief, Colgate, USA

## SET OF GELS FOR TOOTH WHITENING AND REMINERALIZING

## BELAGEL



## APPLICATION

Belagel is used for complex treatment of tooth hard tissues. Belagel-O is used to eliminate discoloration, both original and that appeared with age, and to whiten depulped teeth. Belagel-Ca/P is used to desensitize teeth after whitening. After whitening and remineralization, teeth must be fluoridated with Belagel-F gel to strengthen the enamel.

## FEATURES

Belagel-O is a unique whitening system. Depending on the concentration of carbamide peroxide, the product can be used both at home under the supervision of a dentist (12%, 20%), and in the clinic (30%). It is recommended to combine home and clinical whitening.

Ions of Belagel-Ca/P, contained in healthy tooth enamel, actively penetrate into the dental hard tissues and contribute to their mineralization. Whitening procedures must not be alternated with remineralizing therapy (Belagel Ca/P) to prevent possible phenomena of hyperesthesia of hard tooth tissues.

Belagel-F Dental Gel contains natural polysaccharide of sodium alginate. The gel has a high penetrating ability of F-ions into the tooth tissue, providing their mineralization, and promotes the regeneration of tooth enamel.

Belagel-Ca/P Gel and Belagel-F Gel are used to reduce hyperesthesia of the teeth and enamel injuries, when the cervical margin is exposed, etc.

Aksil Paste protects the gums, when used in combination with whitening systems (Belagel-O 12%, 20%, or 30%).

The process of whitening, remineralization and fluoridation at home does not differ from the professional dental care at all.

## PACKAGING

Code 00000000011 12%: «Belagel O» - 1 ml x 4 pc, «Belagel Ca/P» - 1 ml x 2 pc, «Belagel F» - 1 ml x 2 pc, Paste - 5 ml, Compensating varnish - 12 ml

Code 00000000012 20%: «Belagel O», - 1 ml x 4 pc; «Belagel Ca/P» - 1 ml x 2 pc, «Belagel F» - 1 ml x 2 pc, Paste - 5 ml, Compensating varnish - 12 ml

Code 00000000013 30%: «Belagel O», - 5 ml ; «Belagel Ca/P» - 5 ml, «Belagel F» - 5 ml, Paste - 5 ml

ANALOGUES FOR USE  
«Opalescence» – «Ultradent», USA

## GEL SYSTEM BASED ON CARBAMIDE PEROXIDE (12%, 20%, 30%)

## BELAGEL - O



## APPLICATION

- eliminate discolorations, both original and those that appeared with age;
- whiten pulpless teeth.

## FEATURES

Belagel-O is a multi-purpose whitening gel system with carbamide peroxide as the most advanced and gentle whitening agent. Carbamide peroxide is a source of atomic oxygen, dental tissues. Active oxygen removes odour-causing bacteria. The whitening gel contains 30% water to prevent drying or dehydration of hard tissues. Teeth do not lose shine.

Potassium ions prevent sensitivity. Depending on the concentration of carbamide peroxide, the product can be used both at home under the supervision of a dentist (12%, 20%), and in the clinic (30%).

Never combine home and clinical whitening.

Before filling or restoring teeth, preliminary tooth whitening is recommended in order to correctly select the shade of the restoration material.

## PACKAGING

Code 00000000017 / 00000000016 / 00000000015 Gel 30% / 20% / 12% - 5 ml

ANALOGUES FOR USE  
«Opalescence», – «Ultradent», USA  
«Dental Wite», – «Colgate», USA



**BELAGEL – O WHITE****GEL SYSTEM BASED ON HYDROGEN PEROXIDE 6%**

for home teeth whitening

**APPLICATION**

A mobile device for a complete course of natural teeth whitening and maintenance of white teeth after a professional whitening procedure.

**FEATURES**

Belagel-O White is a versatile whitening gel system, which contains 6.67% hydrogen peroxide (whitening agent).

Before the whitening procedure, it is recommended to dry the teeth with wipes.

- Put dental retractor in the mouth.
- Apply gel gently to the front surface of the teeth, avoiding the gums and lips.
- Wait 30 seconds for the bleaching agent to dry

Repeat whitening procedure if necessary, but not more than 3 times a day. We recommend to use the remineralizing agent Belagel Ca/P after 2-3 days of using the product.

To achieve the best whitening effect, we recommend to refrain from eating, drinking and smoking within an hour after applying the gel. If you experience tooth sensitivity or gum irritation, stop the whitening procedure and consult a dentist.

**PACKAGING**

Code 000000037834

6%: Belagel-O White – 2.5 ml, Belagel-Ca/P – 2.5 ml, Retractor – 1 pc

ANALOGUES FOR USE  
BriteSmile Professional Teeth Whitening, Britesmile, Inc

**BELAGEL – O LIGHT****GEL SYSTEM BASED ON HYDROGEN PEROXIDE 10% and 15%****APPLICATION**

Clinical teeth whitening.

**FEATURES**

The components of Belagel-O Light absorb light of a certain spectrum, which activates the effect of the whitening gel. The use of Belagel-O Light improves the tooth color by 6-8 VITA tones. The gel is most effective in removing yellow and brown stains on previously unbleached teeth and can be used to whiten all types of stains.

The product, like any other whitening agent, does not whiten restoration materials. At the end of the whitening procedure, proceed with remineralization and fluoridation.

**PACKAGING**

Code 00000008915

Gel 15% - 1,5 g

Code 00000025806

Gel 10% - 1,5 g

ANALOGUES FOR USE  
Zoom, Discus Dental, USA

GEL SYSTEM BASED ON HYDROGEN  
PEROXIDE 20% and 30%

**BELAGEL – O ACTIVE**



**APPLICATION**

- eliminate discolorations, both original and those that appeared with age;
- whiten pulpless teeth including intra-coronal whitening.

**FEATURES**

Belagel-O Active Whitening System consists of 20% (30%) hydrogen peroxide gel and an alkaline activator. Mix the two gels together. Hydrogen peroxide decomposes and releases active radicals, which destroy organic substances that stain tooth tissues. The blue color of the gel makes it easier to control the whitening process.

Belagel-O system improves the tooth color by 6-8 VITA tones.

The product does not whiten restoration materials.

**PACKAGING**

Code 00000008916  
Code 00000009306

20 %: Gel based on hydrogen peroxide - 1,5 g; Gel-activator - 1,5 g.  
30 %: Gel based on hydrogen peroxide - 1,5 g; Gel-activator - 1,5 g.

ANALOGUES FOR USE  
Opalescence Xtra Boost, Ultradent, USA

REMINERALIZING GEL

**BELAGEL – Ca/P**



**APPLICATION**

- prevent caries at the initial stage (white spots);
- re-mineralize enamel in case of non-caries lesions appeared during tooth formation;
- in cases of hard tissue hyperesthesia, enamel hypoplasia, hard tissue erosion, etc.

**FEATURES**

Belagel-Ca/P Gel releases ions that are part of healthy tooth enamel. They actively penetrate into the enamel and dentin of the affected teeth and re-mineralize them.

1 g of Belagel-Ca/P in ionic form contains: calcium 11 mg, phosphorus 5 mg, chlorine 32 mg, potassium 1.8 mg, magnesium 0.9 mg and sodium 20 mg.

When the gel is applied to the tooth surface and dried, a film is formed that remineralizes the tooth tissue for 3-5 hours. For longer application, apply the gel with a tray.

**PACKAGING**

Code 00000001149  
Code 00000013021  
Code 00000037853

Gel - 5 ml  
Gel - 10 g  
Gel (applicator) – 2.5 ml

## COLORDENT

### VARNISH FOR DECORATIVE COLORING OF TOOTH HARD TISSUES

#### APPLICATION

- whitens the tooth enamel with glossy or pearly shine;
- decorative coloring of teeth in different colors



#### FEATURES

ColorDent contains a natural film-forming agent capable of forming a thin and durable film with antiseptic and antibacterial properties. It also contains a solvent, a thickener, titanium dioxide tint pastes or pigments of various colors, and a remineralizing additive (hydroxyapatite), which restores the mineral structure of the teeth.

ColorDent is safe to use, it does not damage the oral mucosa, and is easily removed with a toothbrush.

#### PACKAGING

Code 00000018708	Set: Varnishes - 6 ml x 12 pc
Code 00000018709 / Code 00000037181	White enamel tint №1 - 6 ml / 6 ml
Code 00000018710 / Code 00000037182	White enamel tint №2 - 6 ml / 6 ml
Code 00000022842	Lilac - 6 ml
Code 00000022844	Pink - 6 ml
Code 00000022838	Emerald sparks - 6 ml
Code 00000022845	Yellow - 6 ml
Code 00000022839	Silver sparks - 6 ml
Code 00000022846	Red - 6 ml
Code 00000022840	Golden sparks - 6 ml
Code 00000022847	Blue - 6 ml
Code 00000022848	Green - 6 ml
Code 00000022841	Black - 6 ml

Available as a set and as separate items.

## COLORDENT - LC

### LIGHT-CURED VARNISH FOR DECORATIVE COLORING OF TOOTH HARD TISSUE

#### APPLICATION

Decorative coloring of teeth in different colors.

#### FEATURES

ColorDent-LC is a light-cured low-viscosity wearresistant one-component composite material. It contains fluorinating components that protect teeth against caries.

ColorDent-LC is available in the form of a paste (white, transparent and colored (5 colors) with a glossy effect). The product contains food colorants that comply with international safety standards.



#### PACKAGING

Code 00000018844	Paste – 1 ml x 7 pcs, Enamel etching gel
Code 00000025807	Paste (transparent) - 1 ml
Code 00000025840	Paste (white) - 1 ml
Code 00000025841	Paste (red) - 1 ml
Code 00000025842	Paste (orange) - 1 ml
Code 00000025843	Paste (yellow) - 1 ml
Code 00000025844	Paste (blue) - 1 ml
Code 00000025845	Paste (green) - 1 ml

Available as a set and separate items (in syringes).

DENTAL SET FOR DEEP FLUORINATION OF  
ENAMEL AND DENTINE

GLUFTORED



APPLICATION

Deep enamel and dentine fluorination in case of:

- prevention and treatment of the primary and secondary caries and caries at the stage of spot;
- prevention of caries before and after usage of orthodontic constructions;
- fissures sealing (without enamel preparation) with effect of deep mineralization;
- treatment of hypersensitivity of cervical area of the tooth, dentine sensitivity reduction after preparation of tooth cavity and tooth stump;
- pulp isolation from chemical effect of monomers and acids, which are contained in composite materials and other types of fillings;
- periodontitis treatment.

FEATURES

«Gluftored» dental set consists of:

- **liquid** is a solution of blue color, containing fluoride and copper ions;
- **suspension** is finely dispersed calcium hydroxide in distilled water with stabilizer.

As a result of successive application of liquid and suspension, sealing of enamel microcracks, tubules of dentine and cement occurs. The obtained substance is a high molecular weight polymer of silicic acid with submicroscopic crystals of calcium fluoride, magnesium fluoride and copper fluoride - II deposited in it. It is alkaline in nature and extremely dense, which provides effective protection for dentin and pulp from the effect of acids and monomers contained in composite materials.

Unlike usual fluorination, during deep fluorination, microcrystals of calcium fluoride, less than 1 μm in size, are formed directly in the dentinal tubules and pores of damaged enamel, which provides effective, prolonged protection against caries.

Submicroscopic crystals of calcium fluoride are a constant source of fluoride ions, providing long-term remineralization and effective sealing of hard tissues, which helps to restore the alveolar-dental system. Copper compounds guarantee effective protection of tooth hard tissues from cariogenic microorganisms.

Deep fluorination does not reduce the adhesion and retention of filling and restoration materials.

PACKAGING

Code 00000001726 Liquid - 10 ml; Suspension - 10 ml

ANALOGUES FOR USE

«Enamel-dentine hermetic liquid» – «Humanchemie», Germany

FLUORIZATING VARNISH

BELAK – F



Belak-F is available in two forms:

- Belak-F White;
- Belak-F Transparent.

APPLICATION

- prevent dental caries in children and adolescents;
- treat hyperesthesia, abfractions, traumatic damage to the enamel and other non-carious lesions.

FEATURES

**Belak-F White** contains a solvent, a film fixer and potassium fluoride.

Fluorine ions strengthen tooth enamel, reduce its permeability and protect teeth against caries.

**Belak-F Transparent** contains a natural film former, a new generation fluoride compound (aminofluoride), an antiseptic component and a solvent. Fluorine ions strengthen tooth enamel, reduce its permeability, and prevent dental caries.

PACKAGING

Code 00000000010 Varnish (white) - 25 ml  
Code 00000015719 Varnish (transparent) - 25 ml

ANALOGUES FOR USE  
Profluorid varnish, Voco, Germany  
Fluorex, Omega-Dent, Russia

## BELAGEL – F

### FLUORIZATING GEL

#### APPLICATION

- Prevent dental caries:
- sensitive teeth;
  - abfractions;
  - traumatic enamel damage and other non-cariou lesions.

#### FEATURES

Belagel-F (pH=4) contains natural polysaccharides, 1.23% fluorine ions, xylitol and vitamin E.

Belagel-F (pH=7) contains natural polysaccharides.

Both gels have a high penetrating ability of fluorine ions (F<sup>-</sup>) in the tooth tissue, stimulate the regeneration of tooth enamel and prevent caries.

#### PACKAGING

Code 00000000014	Gel (pH7) - 5 ml
Code 00000045530	Gel (pH7) - 10 g
Code 00000061795	Gel (pH7) - 500 ml
Code 00000056104	Gel (pH4) - 500 ml



ANALOGUES FOR USE  
 Fluoridin Gel .– Voco, Germany  
 Fluorex gel, Chema, Poland  
 Profluorid varnish, Voco, Germany

## NANOFLUOR

### FLUORIZATING VARNISH BASED ON NATURAL RESINS AND NANODISPERSED HYDROXYAPATITE

#### APPLICATION

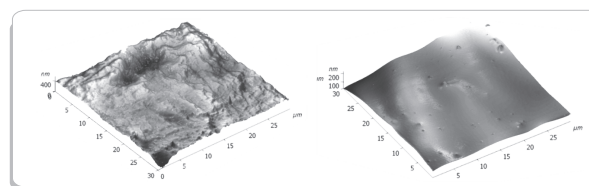
Deep fluorination and rapid remineralization of dentine and enamel:

- prevent and treat primary and secondary caries, white spots, root caries;
- treat abfractions;
- apply after removal of dental deposits at the professional hygienical teeth cleaning;
- apply after removal of braces and polishing of tooth enamel;
- apply after curettage of periodontal pockets to protect the sensitive cervical area;
- treat hyperesthesia after etching (restoration with composite materials, fissure sealing, installation of bracket systems);
- abrasive damage to enamel and dentin as a result of improper brushing or traumas;
- treat the contact surfaces of neighboring teeth with non-removable orthopedic structures;
- treat “live” stumps of prepared teeth before installing permanent prostheses;
- treat and prevent caries in children and adolescents: preserve temporary teeth to permanent ones, seal fissures at the stage of their maturation with pigmented deep fissures of permanent teeth;
- apply before isolating deep tooth cavities.

#### FEATURES

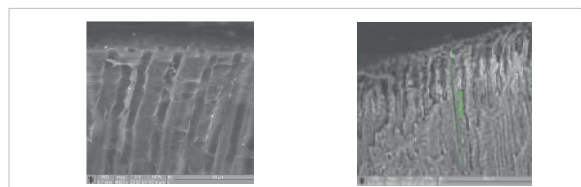
Nanofluor Varnish contains:

- aminofluoride and sodium fluoride, which increase the resistance of tooth enamel to acids and prevents dental caries. Aminofluoride is a new generation organic fluorine compound with increased fluorinating activity and a prolonged therapeutic effect. The optimal content of fluorinating components instantly isolates the teeth from various kinds of irritants;
- natural resin with antiseptic and bactericidal effects, capable of forming a thin durable film within 40-60 seconds, without affecting the adhesion of restorative materials to dentin;
- nanodispersed colloidal hydroxyapatite, which remineralizes the tooth enamel and the dentin, including deep carious cavities and normalizes the functional state of the tooth pulp;
- chlorobutanol, which has a moderately distracting, anti-inflammatory and antiseptic effect.



Scan of a thin section of tooth surface made with an atomic force microscope Ntegra Aura

Scan of a thin section of tooth surface previously covered with «Nanofluor» varnish made with an atomic force microscope Ntegra Aura



Open dentine tubules

Transverse cleavage of dentine, the surface of which is pre-treated with varnish «Nanofluor»

#### PACKAGING

Code 00000007472	Varnish - 5 ml; Solvent - 5 ml
------------------	--------------------------------

ANALOGUES FOR USE  
 Bifluorid 12– Voco, Germany  
 Copal varnish, PD, Switzerland

LIQUIDS FOR TEETH SILVERING AND  
FLUORINATION

ARGENATE

«KALEIDOSCOPE» series for  
pediatric dentistry



APPLICATION

**Argenate One-Component** is used to fluoridate dental hard tissues, reduce tooth sensitivity (except anterior teeth), prevent secondary caries and silver root canals in the initial forms of carious processes (especially caries of primary teeth).

**Argenate Two-Component** is used to silver infected and impassable canals, caries of primary teeth, and teeth affected by cervical caries.

FEATURES

**Argenate One-Component** is available as a colorless transparent liquid, which contains Diaminosilver(1+) fluoride. The effect is based on the conversion of calcium ions and hydroxyapatite orthophosphate of the tooth into calcium fluoride and silver orthophosphate. These components coagulate the dentin proteins, block the penetrating cavities of the hard tissues of the tooth, and strengthen the dentin structure. The clinical efficacy of Argenate One-Component is several times higher than that of silver nitrate preparations.

Argenate One-Component does not irritate the dental pulp due to the formation of calcium fluoride on the dentin surface. The layer formed narrows the dentinal tubules and prevents the penetration of silver ions. The material has a prolonged bactericidal effect, and an inhibitory effect on enzymes that destroy the mineral substances of primary teeth.

Argenate Two-Component is used to silver dental hard tissues. The package contains liquid №. 1 with silver ions, liquid №.2 with a silver regenerator, liquid vaseline for isolating the mucous membrane during silvering of primary teeth and cervical margins.

The silvering method includes the penetration of silver ions into the macro- and microtubules of the hard tissues, the restoration and deposition of silver in the dentinal tubules in the form of densely spaced grains that almost completely fill the lumen of the tubules. The material has a prolonged bactericidal effect, and an inhibitory effect on enzymes that destroy the mineral substances of primary teeth.

PACKAGING

Code 00000001575 One-component: Liquid — 5 ml  
Code 00000000001 Two-component: Liquid №. 1 – 4 ml; Liquid №. 2 – 3 ml; Liquid petrolatum – 5 ml

ANALOGUES FOR USE  
Saforide, Tokyo sayaku KO, Japan  
Cariostatic, Vatar Proxima, Brazil

DENTAL SEALANT FOR MICROINVASIVE  
INTERVENTIONS

FISSULIGHT



APPLICATION

- micro-invasive treatment of superficial caries with occlusion of a carious defect within the enamel surface (contact, vestibular);
- treat white spots and apply after braces were removed.

FEATURES

Fissulight contains:

- Belagel-R Gel, which contains hydrochloric acid (15%);
- ethanol conditioner;
- single-component light-curable low-viscosity transparent sealant with high penetrating ability.

The filling method is based on closing the carious pores of the enamel, which contributes to the restoration of its integrity with the maximum preservation of healthy tooth tissues, providing increased resistance to an acidic environment and stopping the further development of caries. The enamel surface must be thoroughly dried before applying the sealant.

TempoPhot rubber dam can be used with Fissulight to treat carious lesions on the vestibular surfaces.

PACKAGING

Code 00000067840 Transparent sealant - 3 ml; Conditioner - 5 ml, Gel «Belagel»-R - 3 ml

ANALOGUES FOR USE  
ICON, DMG, Germany

# FISSULIGHT

## FISSURE SEALANT LIGHT-CURED

### «KALEIDOSCOPE» series for pediatric dentistry

#### APPLICATION

Seal fissures and other anatomical holes of intact teeth.

#### FEATURES

Fissulight is a light-cured one-component low-viscosity and abrasion-resistant composite material. It contains fluorinating components that prevent dental caries.

Fissulight is available in the form of a paste (white, transparent or colored with a glossy effect). The use of a transparent paste is preferable for early carious cracks and to control the enamel condition under a transparent sealant layer. Colored sealants are easy to apply and visually inspect during sealing and subsequent inspections. The bright color palette (6 colors) helps to win the confidence of the little patients, allowing them to participate in the treatment process and choose the sealant color. The sealant contains food colorants, which comply with international standards and do not wash out after the product cures. Light-cured sealant saves time. Syringes with direct application nozzles help to apply the sealant to the prepared fissure easily and precisely.

The organic-based etching gel contains a bactericidal agent (benzalkonium chloride) that eliminates possible sensitivity caused by bacterial contamination of the tooth surface. Benzalkonium chloride has a microbostatic and microbicidal effect on gram-positive and gram-negative bacteria and candida.



#### PACKAGING

Code 00000008917

Sealant (transparent, white, golden, orange, red, green, blue) – 1 ml x 7 pcs;  
Organic enamel and dentin etching gel — 3 ml

Code 00000053106

Fissulight Transparent: transparent paste – 3 ml x 7 pcs, drying liquid – 5 ml, etching gel – 3 ml

Code 0000000127

transparent paste – 1 ml x 2pcs, organic enamel and dentin etching gel – 1 ml

#### Syringes:

Code 00000010044

paste transparent - 1 ml

Code 00000008918

paste white - 1 ml

Code 00000010040

paste green - 1 ml

Code 00000010401

paste gold - 1 ml

Code 00000010042

paste red - 1 ml

Code 00000010043

paste orange - 1 ml

Code 00000010045

paste blue - 1 ml

#### Capsules:

Code 00000000000

paste transparent - 0.25g x 20 pc

Code 00000051781

paste white - 0.25g x 20 pc

Code 00000052598

paste green - 0.25g x 20 pc

Code 00000052568

paste gold - 0.25g x 20 pc

Code 00000052565

paste red - 0.25g x 20 pc

Code 00000052567

paste orange - 0.25g x 20 pc

Code 00000052566

paste blue - 0.25g x 20 pc

Available as set and as separate items.

ANALOGUES FOR USE  
Fissurit, Voco, Germany  
Fisseal, WP Dental, USA  
Jen Fissu Fill, Jen Dental, USA

CHEMICALLY CURED FISSURES SEALANT

FISSHIM

«KALEIDOSCOPE» series for pediatric dentistry



APPLICATION

The product is a material for exogenous prevention of occlusive caries of temporary and permanent teeth. It is used to seal fissures and other anatomical sockets of intact teeth, and to isolate areas sensitive to caries damage

FEATURES

Fisshim is a chemically cured composite sealant. It contains an organic binder and silanized fine quartz filler. Fisshim contains two pastes: base and catalytic. The fluorine-containing components prevent dental caries.

Fisshim is available in various colors (white, blue, red, yellow and green with glossy effect). Colored sealants are easy to apply and visually inspect during sealing and subsequent inspections. The bright color palette helps to win the confidence of the little patients, allowing them to participate in the treatment process and choose the sealant color. The sealant contains food colorants, which comply with international standards and do not wash out after the product cures.

PACKAGING

- |                  |  |
|------------------|--|
| Code 00000022950 | Set: Basic paste: yellow, green, blue, red - 3 ml x 4 pc; Catalytic paste - 3 ml x 4 pc; Etching gel for enamel - 5 ml |
| Code 00000001566 | Basic paste (white) - 3 ml, Catalytic paste - 3 ml, Etching gel for enamel - 5 ml                                      |
| Code 00000025846 | Basic paste (yellow) - 3 ml, Catalytic paste - 3 ml, Etching gel for enamel - 5 ml                                     |
| Code 00000025847 | Basic paste (green) - 3 ml, Catalytic paste - 3 ml, Etching gel for enamel - 5 ml                                      |
| Code 00000025848 | Basic paste (blue) - 3 ml, Catalytic paste - 3 ml, Etching gel for enamel - 5 ml                                       |
| Code 00000025849 | Basic paste (red) - 3 ml, Catalytic paste - 3 ml, Etching gel for enamel - 5 ml  |

Available as set and as separate items

ANALOGUES FOR USE  
Delton, Jonson & Jonson, USA  
FisSii, StomaDent, Russia



# Auxiliary dental materials

viv  
VLADMIVA

## POLISHING MATERIALS

Polident No.4

## PROTECTIVE MATERIALS FOR DENTAL FILLINGS

Aksil  
Aksil-LC

## ADHESIVES

Belabond  
light  
cured

Belabond  
chemically  
cured

## DEGREASING AND DEHYDRATING DENTAL LIQUID

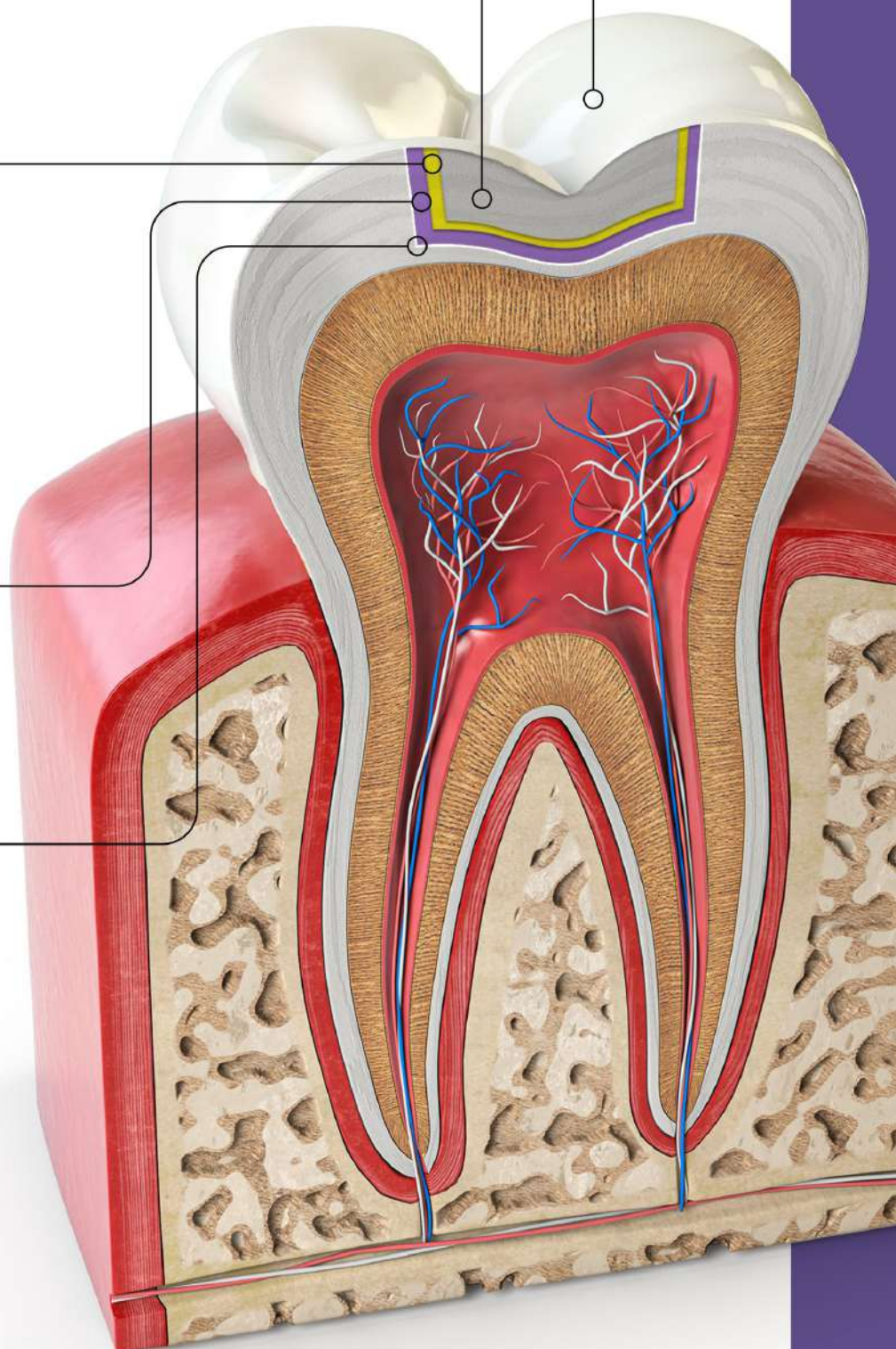
Anhydrin

## ETCHING GELS

Organic enamel and  
dentin etching gel

Dentin etching  
gel

Enamel etching  
gel



## LIGHT-CURED ADHESIVE

## BELABOND



## APPLICATION

Form a strong bond (adhesion) of light-cured composite material with dental hard tissues. The product can be used in combination with any light-curable composite material.

## FEATURES

Belabond TWO-COMPONENT LIGHT-CURED ADHESIVE SYSTEM consists of a primer and an adhesive .

The water-based primer completely moistens the dentine surface and easily penetrates into dentinal tubules. The primer contains hydrophilic phosphorus-containing oligoether methacrylate, which enhances the formation of chemical bonds with dental tissues and forms retention polymer strands in the dentinal tubules.

The adhesive contains oligoether methacrylate resin and forms a chemical bond with the primer and composite during polymerization.

Belabond Adhesive System creates a strong bond and perfect marginal seal due to chemical adhesion. The product is used to restore the anatomical shape of the tooth crown.

## PACKAGING

Code 00000013231

Primer - 5 ml; Adhesive - 5 ml; Gel for enamel etching - 5 ml



«Belabond» ONE-COMPONENT LIGHT-CURED ADHESIVE SYSTEM contains methacrylate oligomers (HEMA, PMDM, UDMA), nano-filler, polymerization activators, stabilizers, and solvents.

The adhesive has desensitizing properties, completely moistens the dentin surface and easily penetrates into the dentinal tubules. The product contains polyfunctional monomers, which contribute to the formation of a chemical bond with the tooth tissues and the formation of retention polymer strands in the dentinal tubules.

**Belabond SELF-ETCHING LIGHT-CURED ADHESIVE** contains methacrylate oligomers (HEMA, UDMA), polymerization activators, stabilizers, and solvents.

The adhesive does not require preliminary acid etching of the tooth surface. The self-etching adhesive penetrates easily into the smear layer of dentin and partially dissolves it. The product contains polyfunctional monomers, which contribute to the formation of a chemical bond with the tooth tissues and the formation of retention polymer strands in the dentinal tubules. Due to the simultaneous conditioning and diffusion process, the infiltration of monomers exactly matches the mineralization depth.

## PACKAGING

Code 0000001318

Adhesive - 5 ml



## CHEMICALLY-CURED ADHESIVE

## APPLICATION

Form a strong bond (adhesion) of chemically-cured composite material with dental hard tissues.

## FEATURES

Belabond consists of two liquids (catalytic and base) and contains methacrylate oligomers, polymerization activators, and stabilizers.

The adhesive, which has a high chemical affinity for both polymer materials and tooth tissues, provides an ideal marginal fit when restoring the anatomical shape of the tooth crown.

## PACKAGING

Code 00000001729

Liquid №. 1 – 5 ml; Liquid №. 2 – 5 ml; Enamel etching gel – 5 ml

ANALOGUES FOR USE  
Ibond, Heraeus kulzer, Germany  
G-Bond, GC, Japan  
Single Bond, 3M ESPE, USA  
Xeno IV, Dentsply, USA

## ANHYDRIN

### LIQUID FOR DEGREASING AND DEHYDRATING TOOTH HARD TISSUES

#### APPLICATION

- degrease and dehydrate dental hard tissues before filling or installing permanent prosthesis;
- clean prosthetic surfaces before fixing.

#### FEATURES

Anhydrin contains volatile organic compounds (ethyl acetate, isopropyl alcohol and isoamyl acetate). The product is easy to apply, evaporates easily and does not require drying with an air jet. The use of Anhydrin quickly and efficiently degreases and dries the tooth surface and prosthesis before fixing, thus ensuring a good adhesion of the fixing cement. The product can be used to treat live stumps as it causes no pain.

Max. drying time (volatilization) is 2 minutes.



#### PACKAGING

Code 0000000006 / 00000050714 / 000000025850 Liquid - 20 ml / 30 ml / 100 ml

ANALOGUES FOR USE  
Hydrol, Septodont, France

## AKSIL

### PROTECTIVE DENTAL PASTE

#### APPLICATION

- coat fillings and protect them against saliva during 1.5-2 hours;
- protect gums before enamel whitening

#### FEATURES

Aksil Paste contains a hydrophobic biocompatible component, which has a water-repellent effect and does not irritate the oral mucosa.

#### PACKAGING

Code 00000000002 Paste - 5 g



## AKSIL-LC

### PROTECTIVE LIGHT-CURED VARNISH

#### APPLICATION

- isolate fillings made of composites and glass ionomer cements from moisture;
- eliminate small defects and surface porosity.

#### FEATURES

Aksil-LC Varnish contains oligoether methacrylate resins, solvent, initiators and stabilizers.

Aksil-LC has good adhesion to filling materials, quickly cures under polymerizing light and forms a thin film that protects the glass ionomer or composite from moisture during the curing process (at least 24 hours).

#### PACKAGING

Code 00000000003 Varnish - 5 ml



ANALOGUES FOR USE  
Fuji COAT LC, GC, Japan  
BisCover LV, Bisco, USA

ORGANIC DENTIN AND ENAMEL ETCHING GEL

GEL



APPLICATION

Etch enamel and dentin before filling carious cavities of pre-treated teeth.

FEATURES

Organic etching gel for dental hard tissues contains 32% phosphoric acid, an antibacterial agent (benzalkonium chloride) and a pigment. The gel base contains an organic water-soluble gelling agent. This organic gel is enriched with organic polymers. It has a perfect consistency and fluidity, does not spread like a liquid and is completely washed off with water, unlike gels with inorganic thickeners (finely dispersed aerosol silicon oxide), which remains on the dentin surface like a coating. Treatment of the prepared surface with an organic-based gel can significantly increase the adhesion of the filling material.

The gel contains a bactericidal substance (benzalkonium chloride), which eliminates the sensitivity caused by bacterial contamination of the tooth surface. Benzalkonium chloride has a microbiostatic and microbicidal effect on gram-positive and gram-negative bacteria and candida.

After 15-30 sec of applying the gel to enamel, microroughness is formed on the enamel surface, which increases the adhesion of the filling material to hard tissues.

The gel removes the smear layer and opens the dentinal tubules, which ensures higher adhesion of the filling material to the dentin.

PACKAGING

Code 00000010854 / 00000025861

Gel - 3 ml / 10 ml

ANALOGUES FOR USE  
Uni-Etch 32%, Bisco, USA

ETCHING GEL SET

GEL SET



Etching gel set contains:

- Enamel etching gel;
- dentin etching gel.

APPLICATION

Etch enamel and dentin before filling carious cavities of pretreated teeth.

FEATURES

The enamel etching gel contains 37% phosphoric acid, a gel-adjuster and a pigment. When applying the gel to the enamel after 30-40 seconds, microroughness is formed on the enamel surface, which increases the adhesion of the filling material to hard tissues.

The dentin etching gel contains 5% maleic acid, a setting gel and a pigment. The gel removes the smear layer and opens the dentinal tubules, which ensures higher adhesion of the filling material to the dentin.

The gels are highly thixotropic, do not drip onto the gums and are easily washed off with water without residue.

PACKAGING

Code 00000000025/ 00000007342/ 00000012187

Code 00000000024

Code 00000000023

Enamel etching gel – 5 ml/ 20 ml/ 100 ml;

dentin etching gel – 5 ml; dentin etching gel – 5 ml;

Enamel and dentin etching gel set – 5 ml + 5 ml;

ANALOGUES FOR USE  
Etch-Rite, «Etch-All, Pulpdent, USA  
Acid Etch Gel, PSP Dental, UK

Available as a set and separate items (in syringes).

POLISHING PASTE

POLIDENT №4



APPLICATION

Pre-treatment and finishing of fillings made of composite materials, glass ionomers and amalgams to impart a dry gloss.

FEATURES

Polident №. 4 contains an abrasive, a hydrophilic adjusting paste and an inert filler.

Pre-treatment: treat the dried surface of the filling with white paste for 1 minute. After the treatment, rinse off the paste with water.

For a dry shine, repeat the polishing procedure using the finishing paste (pink colored paste) for 30-60 seconds.

PACKAGING

Code 00000000098

Code 0000007809

Code 0000037857

Code 0000037858

Code 0000037859

Paste of white color - 3g+3g

Paste of white color - 90g

Paste of pink color - 3g+3g

Paste of pink color - 90g

Paste of pink and white color - 3g+3g

ANALOGUES FOR USE  
Clean Polish, Super Polish, Kerr, USA

Available as a set and separate items (in tubes).

# Surgical osteoplastic materials

viv  
VLADMIVA

## ATTENDANT MATERIALS

Klipdent-MC  
(biological glue)  
Klipdent-MC (gel)  
Bioplast-Dent (HS-gel)  
Bioplast-Dent (HG-gel)  
KP-Plast (chips)  
Sildent one-component  
(sealant)  
Alvanes (wax)

## BIOMATERIALS FOR SOFT TISSUE REGENERATION

Bioplast - Dent (membrane)  
Bioplast - Dent  
(collagen matrix)  
Klipdent-MC (sponge)  
Klipdent-MC (membrane)

## HEMOSTATIC MATERIALS

Bandage (iodoform)  
Alvanes (sponge)

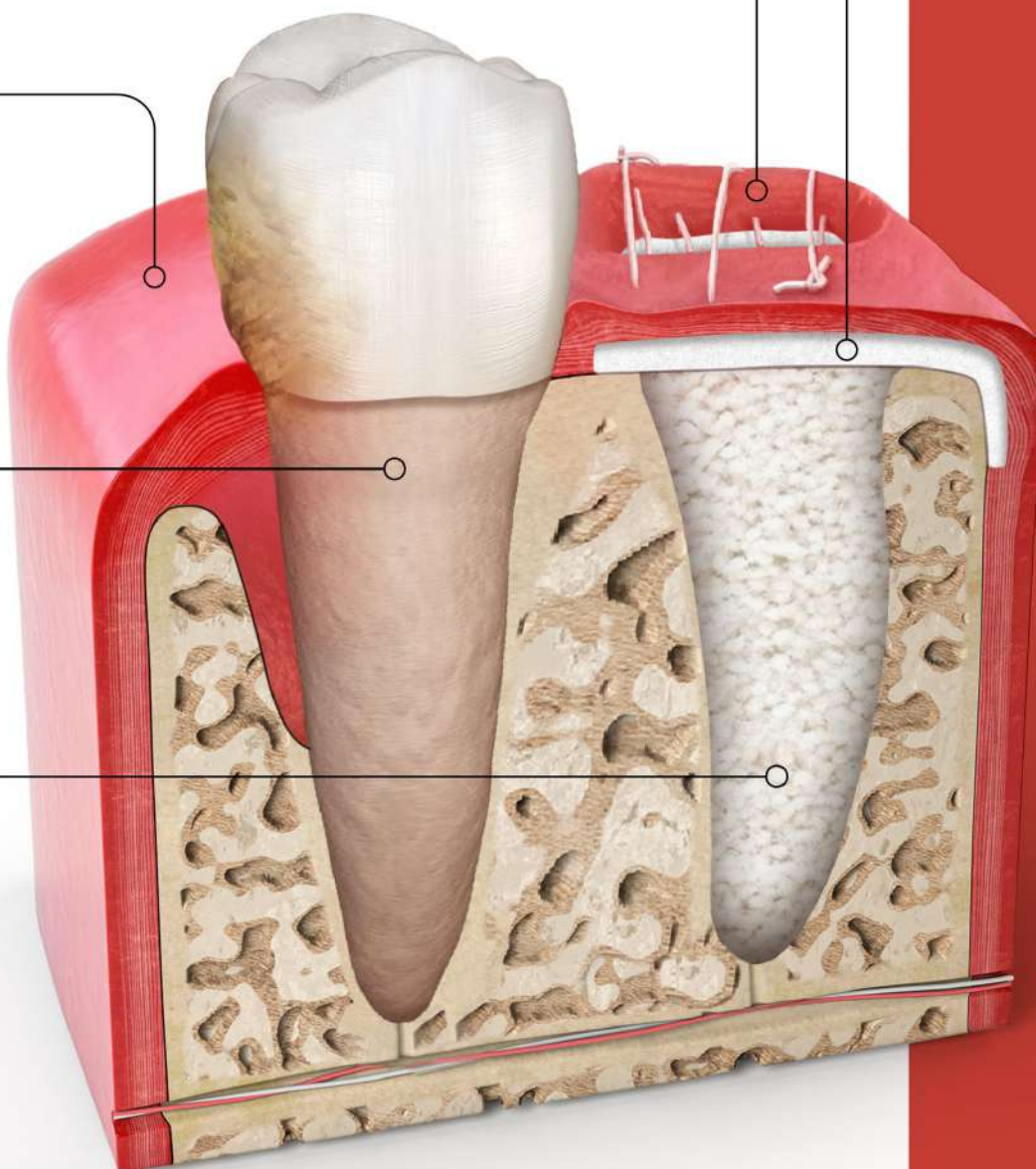
## BIOMATERIALS FOR BONE TISSUE REGENERATION

### Xenogeneic

Bioplast - Dent  
Bioplast - Dent  
(demineralized)  
Bioplast - Dent  
(deproteinized)

### Alloplastic

Klipdent  
(TCP/HAP,PL,KL,GL)  
Klipdent- PL  
(cosolvent)  
Klipdent  
(periodontal)  
Klipdent-CEM  
Klipdent-CEM  
(binding)



## OSTEOPLASTIC MATERIAL BASED ON HIGHLY PURIFIED BONE MATRIX

## BIOPLAST-DENT



Bioplast-Dent material contains 75% biological hydroxyapatite and 25% bone collagen with a preserved biomodal porous structure and no low molecular weight components of bone tissue.

Bioplast-Dent is available as:

- bits, chips, blocks;
- bits enriched with lincomycin (4.5%);
- bits enriched with chlorhexidine (0.25%) and metronidazole (0.5%);
- bits and chips containing radiopaque hydroxiapatite;
- demineralized blocks;
- paste with demineralized bits;
- spongy plates;
- cortical plate;
- ring.

### APPLICATION

Restore the structural integrity of bone defects and increase the osteogenic potential of bone tissue in surgical dentistry and maxillofacial surgery:

- fill the defects after cystectomy or root resection;
- fill holes of extracted teeth to prevent atrophy of the contour of the alveolar process;
- fill cavities at sinus-lifting;
- re-construct alveolar parts;
- close perforations of the maxillary sinuses and mandibular canals;
- fill periodontal defects;

use in traumatology, orthopedics, ophthalmosurgery and other medical applications.

### FEATURES

Bioplast-Dent is made of bovine bone tissue purified by chemical and enzymatic treatment with the preservation of biological hydroxyapatite and spatial architectonics, which contribute to the penetration of biologically active substances into the structures of the biomaterial without reducing their biological activity.

Biomaterials constitute a strong matrix, resorbable over time (6-8 months), the bioresorption rate of which is synchronized in time with the process of new tissue formation. Physiological resorption proceeds with the formation of non-toxic degradation products. The materials are an ideal framework for vascular and cell ingrowth from the bone bed, as they have a porous structure of the trabecular and diaphyseal parts of tubular bones (micropores, macropores, Haversian canals).

Bio-hydroxyapatite promotes angiogenesis, migration and attachment of bone marrow stromal stem cells to the surface of the material, and enhances their differentiation into osteoblasts and reparative osteogenesis.

Bioplast-Dent has a high biological compatibility with surrounding tissues, which prevents immune reactions of the recipient's body, and is also compatible with all types of transplants, implants, and endofixation systems.

The materials have osteogenic (osteoconductive and osteoinductive) effects, contain highly purified sulfated glycosaminoglycans within the biological norm (min. 800 µg/cm<sup>3</sup>).

#### **BIOPLAST-DENT with chlorhexidine and metronidazole**

Chlorhexidine is effective against a wide range of vegetative forms of gram-negative and gram-positive microorganisms, yeast and lipophilic viruses. The bactericidal effect is reached due to the binding of cations formed as a result of the dissociation of chlorhexidine in a physiological environment with negatively charged phosphate groups of bacterial cell membranes and extramicrobial complexes.

Metronidazole has an antiprotozoal and antibacterial effect against anaerobic protozoa and bacteria. As a result of a biochemical reaction, metronidazole splits nitro groups and their further interaction with the DNA of the microbial cell, which inhibits the synthesis of nucleic acids and destroys bacteria.

#### **BIOPLAST-DENT with lincomycin**

Lincomycin inhibits protein synthesis in microorganisms, thus providing a bacteriostatic and bactericidal effect. It is effective against gram-positive microorganisms and mycoplasmas.

**BIOPLAST-DENT cortical plate with perforation**

Bioplast-Dent Cortical Plate (highly purified xenocollagen I type) is a cortical bone layer with additional perforation.

**BIOPLAST-DENT sponge plate**

Bioplast-Dent Sponge Plate (highly purified type I xenocollagen) is a partially decalcified spongy fragments of bone tissue. Once wetted, they can be easily contoured with sterile surgical scissors while maintaining their structure and volume.

The product is completely absorbed without fibrous degeneration. Bioplast-Dent Plates are biocompatible, non-immunogenic, and inert. They prevent inflammatory reactions and significant reactions to foreign materials.

Bioplast-Dent Plates are hydrophilic. They absorb blood well and hold blood clots without changing their structure. Biodegradation products do not prevent healing process in soft tissues.

**BIOPLAST-DENT blocks**

The material is very strong and capable of withstanding significant loads during fixation. The blocks are easy to model or drill when installing the implant. It is recommended to fill the slots of the bone defect between the block and the recipient bed of the bone edges. The blocks must be kept in a hydrating solution to avoid aeration. Their dimensions are 5x5x5 mm. They are used to fill complicated defects without unnecessary modeling while preserving the natural system of biomodal pores. The regenerative process runs faster than when using only bone granules.

It has a pronounced osteoconductivity, and is totally replaced with bone tissues within 6-12 months after implantation.

**BIOPLAST-DENT demineralized blocks**

The product is a highly purified decalcified bone collagen with a preserved porous structure of spongy bone.

The material is demineralized and has a good plasticity and modeling properties. Besides, it preserves native morphogenetic bone proteins.

**BIOPLAST-DENT demineralized (paste)**

Bioplast-Dent Paste is a ready-to-use product with a high content of demineralized bone particles (200-1000 µm) of animal origin, which initiate and accelerate the natural bone formation. The paste contains collagen, which promotes the formation of a primary thrombus and the penetration of cells involved in the healing and regeneration processes into the bone defect. the viscosity of the paste increases at a temperature above 25°C.

Bioplast-Dent Demineralized can be applied both separately and in combination with other bone materials for augmentation and reconstruction of the alveolar process.



**PACKAGING**

**Non-Demineralized**

- Code 00000023969/ 00000023990/ 00000023992/ 00000051393
- Code 00000023956/ 00000023955/ 00000023970/ 00000000000
- Code 00000023959/ 00000024002
- Code 00000024004/ 00000023963
- Code 00000023964
- Code 00000054173
- Code 00000050733/ 00000050734

**radiopaque**

- Code 00000037854/ 00000037855/ 00000037856
- Code 00000037937/ 00000037938/ 00000037939

**demineralized**

- Code 00000023960/ 00000006969
- Code 00000023995/ 00000023961
- Code 00000000000
- Code 00000000000/ 00000000000

**with chlorhexidine and metronidazole**

- Code 00000023958/ 00000023965/ 00000023966

**with lincomycin**

- Code 00000023957/ 00000023967/ 00000023968

Bits	200-1000 µm	0.5 cm <sup>3</sup> ; 1.0 cm <sup>3</sup> ; 1.5 cm <sup>3</sup> ; 2.0 cm <sup>3</sup>
Chips	1000-5000 µm	0.5 cm <sup>3</sup> ; 1.0 cm <sup>3</sup> ; 1.5 cm <sup>3</sup> ; 2.0 cm <sup>3</sup>
Blocks	5x5x5 mm	0.5 cm <sup>3</sup> ; 1.0 cm <sup>3</sup>
Blocks	5x5x10 mm	0.5 cm <sup>3</sup> ; 1.0 cm <sup>3</sup>
Blocks	5x10x30 mm	1.5 cm <sup>3</sup>
Cortical plate with perforation	8x20 mm	
Sponge plate	8x20 mm	
Bits	200-1000 µm	0.5 cm <sup>3</sup> ; 1.0 cm <sup>3</sup> ; 1.5 cm <sup>3</sup>
Chips	1000-5000 µm	0.5 cm <sup>3</sup> ; 1.0 cm <sup>3</sup> ; 1.5 cm <sup>3</sup>
Blocks	5x5x5 mm	0.5 cm <sup>3</sup> ; 1.0 cm <sup>3</sup>
Blocks	5x5x10 mm	0.5 cm <sup>3</sup> ; 1.0 cm <sup>3</sup>
Blocks	5x10x30 mm	1.5 cm <sup>3</sup>
Paste	200-1000 µm	0.5 cm <sup>3</sup> ; 1.0 cm <sup>3</sup>
Bits		0.5 cm <sup>3</sup> ; 1.0 cm <sup>3</sup> ; 1.5 cm <sup>3</sup>
Bits		0.5 cm <sup>3</sup> ; 1.0 cm <sup>3</sup> ; 1.5 cm <sup>3</sup>

**STERILITY! Radiation sterilization.**

**ANALOGUES FOR USE**  
 Osteomatrix, Konektbiofarm, Russia  
 OsteoBiol, TecnoSS, Italy  
 OsteoBiol Sp-Block, TecnoSS, Italy  
 BioOST cortical plate, Cardioplast, Russia  
 Osteoplast Flex sponge, Bioteck, Italy

OSTEOPLASTIC MATERIAL WITH BIOLOGICAL HYDROXYAPATITIS

BIOPLAST-DENT DEPROTEINIZED



The product is a **100% highly purified biological hydroxyapatite** with a preserved biomodal porous structure and with no organic components of bone tissue.

The product is made from the spongy (cortical) substance of the bovine bones with the use of the low-temperature processing.

Bioplast-Dent Deproteinized is available as:

- ready-to-use paste;
- bits, chips;
- blocks and cones.

APPLICATION

Restore the structural integrity of bone defects and increase the osteogenic potential of bone tissue in surgical dentistry and maxillofacial surgery:

- fill the defects after cystectomy or root resection;
  - fill holes of extracted teeth to prevent atrophy of the contour of the alveolar process;
  - fill cavities at sinus-lifting;
  - re-construct alveolar parts;
  - close perforations of the maxillary sinuses and mandibular canals;
  - fill periodontal defects;
- use in traumatology, orthopedics, ophthalmosurgery and other medical applications.

FEATURES

Bioplast-Dent (Deproteinized) is a bio-hydroxyapatite that has a fairly strong and gradually absorbable matrix (6-8 months), on the surface of which a new bone tissue is formed. The product is deproteinized, i.e. it has no cellular elements or protein fractions.

The product are an ideal framework for vascular and cell ingrowth from the bone bed, as they have a porous structure of the trabecular and diaphyseal parts of tubular bones (micropores, macropores, Haversian canals).

Bio-hydroxyapatite promotes angiogenesis, migration and attachment of bone marrow stromal stem cells to the surface of the granules, and enhances their differentiation into osteoblasts and reparative osteogenesis.

The product has osteoconductive and osteoinductive properties.

Bioplast-Dent (Deproteinized) has a high biological compatibility with surrounding tissues, which prevents immune reactions of the recipient's body, and is also compatible with all types of transplants, implants, and endofixation systems.

PACKAGING

Code 00000039679/ 00000039680/ 00000039681  
 Code 00000041124/ 00000000000  
 Code 00000041125/ 00000000000  
 Code 00000000000  
 Code 00000041126

Bits	200-1000 µm	0.5 cm <sup>3</sup> ; 1.0 cm <sup>3</sup> ; 1.5 cm <sup>3</sup>
Blocks	5x5x5 mm	0.5 cm <sup>3</sup> ; 1.0 cm <sup>3</sup>
Blocks	5x5x10 mm	0.5 cm <sup>3</sup> ; 1.0 cm <sup>3</sup>
Blocks	5x10x30 mm	1.5 cm <sup>3</sup>
Cones	d-5; h-15 mm	8 pc
	d-7; h-17 mm	2 pc } 10 pc

STERILITY! Radiation sterilization.

ANALOGUES FOR USE  
 Bio-Oss, Geistlich, Switzerland

BIOPLAST-DENT DEPROTEINIZED

DENTAL PASTE

FEATURES

The products simulates any form of bone defect, reducing the risk of displacement of the implanted material during surgery.

Bioplast-Dent Deproteinized Paste is a mixture consisting of moistened cortical-cancellous bone granules (max. granule size is 300 µm and 200 to 1,000 µm).

The paste contains collagen, which promotes the formation of a primary thrombus and the penetration of cells involved in the healing and regeneration processes into the bone defect. The cortical cancellous mixture replaces the bone tissue. the viscosity of the paste increases at a temperature above 25°C.



PACKAGING

Code 00000042540  
 Code 00000042539

Paste	200-1000 µm	0.5 cm <sup>3</sup>
Paste	up to 300 µm	0.5 cm <sup>3</sup>

THE PRODUCT IS STERILE! Radiation Sterilization



# KLIPDENT®

## RESORBABLE GRANULES BASED ON β-TRICALCIUM PHOSPHATE

Klipdent is available as:

- granules, cones, and blocks, which contain β-tricalcium phosphate (60%)/hydroxyapatite (40%) **Klipdent-TCF/HAP**;
- Klipdent-PL in granules, which contain β-tricalcium phosphate in polylactideglycolide matrix;
- Klipdent-KL in granules, which contain β-tricalcium phosphate in collagen matrix;
- Klipdent-GL in granules, which contain β-tricalcium phosphate in hyaluronic matrix.



### APPLICATIONS

Klipdent is used as an osteoplastic material that optimizes bone tissue regeneration in surgical dentistry, clinical treatment of general and maxillofacial surgery, in traumatology and orthopedics.

**Periodontology:** fill two- and multi-walled bone pockets, as well as bi- and trifurcations of teeth, use in augmentations of the atrophied maxillary sinus.

**Implantology:** lift the sinus or its base (subantral augmentation), fill alveolar defects to maintain the maxillary sinus after tooth extraction, fill extraction defects in order to create a basis for the implant.

**Cystic defects:** defects after extirpation of a bone cyst, defects after resection of the root apex and defects after surgical removal of an impacted tooth, other multi-mesh bone defects of the alveolar process and facial bones.

### FEATURES

Klipdent contains synthetic surgical calcium phosphate, which is subdivided into fractions according to particle size distribution:

- 100 to 500 µm – small periodontal bone defects;
- 500 to 1,000 µm – medium and small cystic and alveolar defects;
- 1,000 to 2,000 µm – large cyst defects and sinus-lifting;

The selection of the granule size depends on the defect size and location.

**Klipdent-TCP/HAP Granules** for bone regeneration contain β-tricalcium phosphate (60%) / hydroxyapatite (40%). They are made by sintering synthetic raw materials, do not contain substances of animal origin, and are biologically compatible with body tissues. The granules have high micro-, macro- and intergranular porosity to create ideal conditions for bone restoration:

- contain radiopaque additives;
- have a prolonged resorption and high osteoinductance;
- stimulate and accelerate the healing processes in bone tissues.

There is no immunologic reaction after the material is implanted into the bone defect.

The granules contain β-tricalcium phosphate (60%)/hydroxyapatite (40%), and are radiopaque.

**Klipdent-PL** is available as mineral-polymer granules (β-tricalcium phosphate in a polylactide-glycolide matrix, which makes the product very strong) of a given porosity, morphology and architectonics, which accelerate the integration of the implant with bone tissue.

**Klipdent** contains sodium hyaluronate (GL) and collagen (KL). It has a stimulating effect on cell growth and contributes to the activation of reparative osteogenesis in the damaged area. Besides, it accelerates the differentiation of newly formed bone tissue, which is expressed in a sharp increase in the proportion of the bone component of the regenerate, and also in more intensive maturation of the bone substance. The rate of material resorption corresponds to the rate of formation of natural bone tissue.

Depending on the granule size and the potential for tissue regeneration, Klipdent is completely resorbed after 9-15 months.

The resorption proceeds together with the tissue recovery.

### PACKAGING

#### TCP/HAP

Code 00000036882/ 00000036885/ 00000036888	Granules	100-500; 500-1000; 1000-2000 µm	0.5 cm <sup>3</sup>
Code 00000036883/ 00000036886/ 00000036889	Granules	100-500; 500-1000; 1000-2000 µm	1.0 cm <sup>3</sup>
Code 00000036884/ 00000036887/ 00000036890	Granules	100-500; 500-1000; 1000-2000 µm	1.5 cm <sup>3</sup>
Code 00000041127/ 00000041128	Blocks	5x5x5 mm - 4 pc; 5x5x10 mm - 2 pc	0.5 cm <sup>3</sup>
Code 00000041129	Cone	d-5, h-15 mm -8 pc; d-7, h-17 mm -2 pc	0.5 cm <sup>3</sup>

#### PL

Code 00000025497/ 00000026048/ 00000026049	Granules	100-500; 500-1000; 1000-2000 µm	0.5 cm <sup>3</sup>
Code 00000026054/ 00000026055/ 00000023981	Granules	100-500; 500-1000; 1000-2000 µm	1.0 cm <sup>3</sup>
Code 00000026060/ 00000026061/ 00000026062	Granules	100-500; 500-1000; 1000-2000 µm	1.5 cm <sup>3</sup>

#### KL

Code 00000024007/ 00000026047/ 00000023996	Granules	100-500; 500-1000; 1000-2000 µm	0.5 cm <sup>3</sup>
Code 00000026051/ 00000026052/ 00000026053	Granules	100-500; 500-1000; 1000-2000 µm	1.0 cm <sup>3</sup>
Code 00000026057/ 00000026058/ 00000026059	Granules	100-500; 500-1000; 1000-2000 µm	1.5 cm <sup>3</sup>

#### GL

Code 00000023975/ 00000023976/ 00000024006	Granules	100-500; 500-1000; 1000-2000 µm	0.5 cm <sup>3</sup>
Code 00000023977/ 00000023978/ 00000026050	Granules	100-500; 500-1000; 1000-2000 µm	1.0 cm <sup>3</sup>
Code 00000023979/ 00000023980/ 00000026056	Granules	100-500; 500-1000; 1000-2000 µm	1.5 cm <sup>3</sup>

**STERILITY! Radiation sterilization.**

**ANALOGUES FOR USE**  
 SynthoGraft, Bicon, USA  
 R.T.R., Septodont, France  
 Calci-oss classic, Sunstar Guidor, Switzerland  
 Maxresorb, Botiss, Germany

**β-TRICALCYPHOSPHATE GRANULES  
ENCAPSULATED IN  
POLYLACTIDE GLYCOID SHELL**

**KLIPDENT® – PL CO-SOLVENT**



**APPLICATION**

Filling and restoration of bone defects in surgical dentistry and maxillofacial surgery:

- periodontal defects;
- tooth removal;
- sinus-lifting;
- implantation;
- resection of apex of a tooth root;
- cyst removal.

**FEATURES**

Klipdent-PL Co-solvent is an osteoconductive material, which contains β-tricalcium phosphate (-TCP) granules coated with a thin shell of a biodegradable copolymer of polylactide glycolide and a co-solvent. After mixing the granules and co-solvent, the granules stick together to form a plastic material with high micro- and intergranular porosity, which can be injected into the bone defect directly. Upon contact with blood or oral fluid, the material takes the form of a bone defect, which ensures its stability in the defect and facilitates the procedure for suturing the wound. Biomaterial is completely resorbed in 9-15 months. The resorption proceeds together with the tissue recovery.

**PACKAGING**

Code 00000023982	Granules	500-1000 μm	0,2 cm <sup>3</sup>
	Cosolvent		0,1 cm <sup>3</sup>
Code 00000006581	Granules	500-1000 μm	0,35 cm <sup>3</sup>
	Cosolvent		0,18 cm <sup>3</sup>
Code 00000026063	Granules	500-1000 μm	0,5 cm <sup>3</sup>
	Cosolvent		0,35 cm <sup>3</sup>

**STERILITY! Radiation sterilization.**

**ANALOGUES FOR USE**  
Easy-Graft, DS Dental, Switzerland

**RESORBABLE CALCIUM-PHOSPHATE MULTI-  
LAYERED GRANULES WITH PROLONGED RELEASE  
OF ACTIVE ACTING SUBSTANCES**

**KLIPDENT® PERIODONTAL**



**APPLICATION**

Optimization of soft and bone tissue regeneration during restoration of periodontal defects:

- fill two- or multi-walled bone sockets, bi- and trifurcation of teeth;
- augmentation of the atrophied maxillary sinus.

**FEATURES**

Klipdent contains resorbable calcium-phosphate multilayer granules with prolonged release of active substances.

The granules contain radiopaque β - tricalcium phosphate (20%) / hydroxyapatite (80%) in a polylactideglycolide matrix.

The inner layer of the product contains sodium hyaluronate, which has a stimulating effect on cell growth and contributes to the activation of reparative osteogenesis in the damaged area. Besides, it accelerates the differentiation of newly formed bone tissue, which is expressed in a sharp increase in the proportion of the bone component of the regenerate, and also in more intensive maturation of the bone substance.

The outer layer contains antimicrobial components that have a bactericidal effect against anaerobic protozoa and bacteria, inhibit protein synthesis in microorganisms, have a bacteriostatic and bactericidal effect, and are effective against a wide range of vegetative forms of gram-negative and gram-positive microorganisms, yeast and lipophilic viruses. Klipdent is completely resorbed in 6-8 months. The resorption proceeds together with the tissue recovery.

**PACKAGING**

Code 00000039682	Granules	200-1000 μm	1,0 cm <sup>3</sup>
------------------	----------	-------------	---------------------

**THE PRODUCT IS STERILE! Radiation Sterilization**

*Granules of other fractions are available upon order.*

**KLIPDENT® – CEM****CALCIUM-CONTAINING BIORESORBABLE MATERIAL BASED ON BRUSHITE****APPLICATION**

Bone defects restoration in surgical dentistry during implant placement, maxillofacial surgery, orthopedics and traumatology.

**FEATURES**

Klipdent-Cem contains  $\beta$ -tricalcium phosphate, monocalcium phosphate monohydrate, sodium hyaluronate, plasticity regulators and additive to support the integrity of the material structure. The product cures as a result of an acid-base interaction process with the formation of crystalline dicalcium phosphate dihydrates as the main product, which has a brushite structure with a higher absorption rate than hydroxyapatite-based cements.

The product contains sodium hyaluronate, which significantly improves its clinical properties and has a positive effect on osteoinductivity.

Klipdent-Cem provides tight contact between bone and dental implant surface, promotes formation of new autogenous bone tissue, and also prevents ingrowth of soft tissues. It is an effective replacement to the traditional combination of granulated material-membrane:

The strength index of the cured material is equivalent to the strength of cancellous bone.

Klipdent-Cem is completely resorbed within 3-4 months after implantation.

**PACKAGING**

Code 00000006580	Liquid	1 ml
	Powder	2 g

**THE PRODUCT IS STERILE! Radiation Sterilization**

**ANALOGUES FOR USE**  
VitalOs cement, Calciphos, Switzerland

**KLIPDENT® – CEM BINDING****OSTEOCONDUCTIVE RESORBABLE MATERIAL****APPLICATIONs**

- restoration and reconstruction of bone defects in the maxillofacial area;
- use as a binder filler for bone tissues to prevent their migration and create a composite augmentation material;
- fill holes after tooth extraction;
- create a barrier for directed tissue regeneration.

**FEATURES**

Klipdent-Cem Binding is a synthetic osteoconductive resorbable material. It contains biphasic calcium sulfate in the form of a granular powder and sterile saline. The plastic paste cures within 2-5 minutes.

The product can be combined with antibiotics and growth factors. The granular powder contains pure calcium sulfate, which does not affect the regeneration process, and is completely resorbed and replaced by bone tissue at a rate equal to the rate of bone formation.

The bone is ready for implant installation after 3 months.

**PACKAGING**

Code 00000045527	Liquid	0,4 cm <sup>3</sup>
	Powder	0,4 g

**THE PRODUCT IS STERILE! Radiation Sterilization**

**ANALOGUES FOR USE**  
BondBone, MIS, Israel

TWO-LAYER RESORBABLE MEMBRANE BASED ON COLLAGEN TYPE I AND II (DERMIS)

BIOPLAST-DENT MEMBRANE



APPLICATION

Create a mechanical barrier preventing migration of soft tissues into a bone defect during surgery:

- implantation at defects in the bone tissue;
- restore congenital and acquired defects of bone and soft tissues;
- sinus-lifting;
- cystectomy;
- periodontitis (minimally invasive methods of treatment and reconstructive surgery);
- root apex resection;
- fill defects after removal of cysts;
- close maxillary sinus perforation and perforation of the mandibular canal;
- tooth extraction (complicated/uncomplicated);
- use as a clot stabilizer.

FEATURES

Resorbable two-layer membrane Bioplast-Dent is a type I collagen (dermis), which contains no additional cross-linking agents.

The membrane has a morphology of dense oriented fibers to achieve mechanical strength. It is immunogenic and inert, which causes no inflammatory reaction or a pronounced reaction to a foreign material.

Bioplast-Dent Membrane is non-antigenic and highly biocompatible. It prevents proliferation and epithelium migration, and creates optimal conditions for controlled bone tissue regeneration. Collagen covers the bone defect tightly. The product is completely absorbed without fibrous degeneration.

PACKAGING

Code 00000007962	Membrane	15x15x0,2-0,5 mm
Code 00000023973	Membrane	15x25x0,2-0,5 mm
Code 00000023974	Membrane	25x25x0,2-0,5 mm
Code 00000024005	Membrane	30x40x0,2-0,5 mm

ANALOGUES FOR USE  
Bio-Gide, Geistlich, Switzerland

STERILITY! Radiation sterilization.

Other dimensions are available upon request.

PLATE BASED ON COLLAGEN TYPE I AND III FOR REGENERATION OF SOFT TISSUES

BIOPLAST-DENT COLLAGEN MATRIX



APPLICATION

Increasing in the volume of soft tissues in the oral cavity during surgery:

- augmentation and densification of the alveolar ridge soft tissues;
- soft tissue augmentation around teeth and implants;
- extension of keratized gums;
- closure of extraction alveoli;
- closure of implants after immediate and delayed implantation.

Bioplast-Dent Collagen Matrix is recommended to close the extraction alveoli. In case of an uninfected wound, apply the material without alveoli closure with a mucoperiosteal flap.

FEATURES

Collagen matrix Bioplast-Dent is a type I - III collagen, which contains no additional cross-linking agents.

The membrane has a morphology of dense oriented fibers, which prevents proliferation and epithelium migration, creating optimal conditions for controlled bone tissue regeneration. Collagen covers the bone defect tightly. The material is completely resorbed without fibrous degeneration. Collagen matrix Bioplast-Dent is biocompatible, non-immunogenic, and inert, which causes no inflammatory reactions or other adverse reactions to foreign materials.

Bioplast-Dent Collagen Matrix is rather hydrophilic. It absorbs blood well and holds the clot without changing its structure. Biodegradation products do not have any harmful effect on the soft tissue repair process.

Bioplast-Dent is sterile and is designed for single use.

PACKAGING

Code 00000054174	Membrane	10x30x0,8 mm
Code 00000054175	Membrane	15x20x0,8 mm
Code 00000054176	Membrane	20x30x0,8 mm
Code 00000054177	Circles	ø-8, h-0,8 mm
Code 00000054178	Circles	ø-12, h-0,8 mm

ANALOGUES FOR USE  
Mucoderm, Botiss, Germany

THE PRODUCT IS STERILE! Radiation Sterilization

Other dimensions are available upon request.

## KLIPDENT® – MC SPONGE

### HIGH-EFFICIENT RESORBABLE SPONGE

Klipdent-MC sponge material is available as:

- sponges;
- sponges, cones and cylinders with chlorhexidine and metronidazole;
- sponges, cones and cylinders with lincomycin;
- cones with calcium phosphate.

#### APPLICATION

- The product benefits the reparative osteogenesis and stimulates wound healing in soft and bone tissues;
- prevents jaws atrophy after extraction of teeth, cysts, pseudotumors and sequestrectomy;
- increases bone volume at contour correction, as well as with intraosseous implantation and surgical treatment of periodontitis.

Klipdent-MC sponge is used in orthopedics and traumatology to prevent bleeding into bone tissues and wounds of traumatic origin, during operations for various hemangiomas.

#### FEATURES

**Klipdent-MC Sponge** contains lyophilized collagen, which has hemostatic effect. The hemostatic effect of the collagen sponge is provided by its high porosity, which promotes blood absorption with simultaneous platelet aggregation and the subsequent coagulation process. Upon contact of the wound surface with collagen, platelet coagulation factors are released, and further aggregation of platelets occurs, which adhere to previously fixed cells. This contributes to the formation of a fibrin clot and closure of the injury site.

The effectiveness of **Klipdent-MC Sponge (with chlorhexidine and metronidazole)** is ensured by chlorhexidine and metronidazole.

Metronidazole has an antiprotozoal and antibacterial effect against anaerobic protozoa and bacteria. As a result of a biochemical reaction, metronidazole splits nitro groups and their further interaction with the DNA of the microbial cell, which inhibits the synthesis of nucleic acids and destroys bacteria.

Chlorhexidine is effective against a wide range of vegetative forms of gram-negative and gram-positive microorganisms, yeast and lipophilic viruses. The bactericidal effect is reached due to the binding of cations formed as a result of the dissociation of chlorhexidine in a physiological environment with negatively charged phosphate groups of bacterial cell membranes and extramicrobial complexes.

**Klipdent-MC Sponge (with lincomycin)** contains lincomycin, which inhibits protein synthesis in microorganisms, thus providing a bacteriostatic and bactericidal effect. It is effective against gram-positive microorganisms and mycoplasmas.

**Klipdent-MK Sponge (with calcium phosphate)** contains biphasic calcium phosphate, which controls the volumetric stability of the product over the required period of time. The product is used to preserve post-extraction wells. The product is easy to use and does not require prior rehydration. It is resorbed completely within 3-6 months.

Klipdent-MC Sponge does not cause local irritating and biotoxic effects, it stimulates tissue regeneration in the recovery stage. It needs no doctor intervention for extraction since it is completely resorbed.

#### PACKAGING

Code 00000037033/ 00000038056	Sponge	10x8x8 mm - 10 pc; 20x8x8 mm - 10 pc
Code 00000068892/ 00000068893	Cylinders	d-8, h-14 mm - 10 pc; d-8, h-7 mm - 10 pc
Code 00000068894/ 00000070078/ 00000068891	Cones	d-4, h-7 mm - 10 pc; d-5, h-15 mm - 10 pc; d-10, h-20 mm - 10 pc
Code 00000071840	Cones with calcium phosphate	d-10, h-20 mm - 10 pc

THE PRODUCT IS STERILE! Radiation Sterilization

ANALOGUES FOR USE  
Jason, Botiss, Germany



## KLIPDENT® – MC

### COLLAGEN TYPE II RESORBABLE MEMBRANE

#### APPLICATION

Create a mechanical barrier preventing migration of soft tissues into a bone defect during surgery:

#### FEATURES

Klipdent-MC Resorbable Membrane is a restored type II collagen, its interfiber structure restores due to intercrosslinking of polypeptide chains. The membrane is biocompatible. It promotes the binding of growth factors, aggregation of platelets, osteoblasts and osteoclasts, which causes bone tissue remodeling and stimulates the bone defect healing.

Klipdent-MC Membrane retains its barrier function during tissue regeneration without the formation of fibroblasts. It does not contain antigenic factors and can integrate into surrounding tissues without causing an immune response. The product is easy to model, has a good rigidity and plasticity. The product is sterile, and contains no viruses, prions, or endotoxins.

#### PACKAGING

Code 00000008901	Membrane	15x15x0,2 mm	Code 00000008900	Membrane	20x30x0,2 mm
Code 00000026065	Membrane	15x25x0,2 mm	Code 00000026067	Membrane	30x40x0,2 mm
Code 00000026066	Membrane	25x25x0,2 mm			

THE PRODUCT IS STERILE! Radiation Sterilization

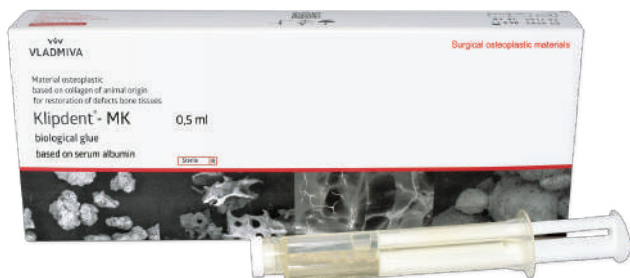
ANALOGUES FOR USE  
Bio-Gide, Geistlich, Switzerland

Other dimensions are available upon request.



## BIOLOGICAL SERUM ALBUMIN-BASED GLUE

## KLIPDENT® – MC



## APPLICATION

Use as an aid in the surgical restoration of tissue integrity by standard methods (sealing and strengthening of surgical sutures, tissue gluing, etc.). It is used both independently and as an addition to traditional means at surgical tissue repair.

## FEATURES

**Klipdent-MC** Biological Glue is available in double syringes. The polymerization process starts 20-30 seconds after mixing and reaches its maximum effectiveness after 2-3 minutes. Klipdent-MC Glue contains purified serum albumin and glutaraldehyde.

When the adhesive components interact, a strong plastic biopolymer is formed, which turns into an elastic hydrogel in soft tissues, and retains its elasticity throughout the entire resorption period. The product components bind to the tissue proteins and form a mechanical insulating layer, where connective tissue cells (fibroblasts) subsequently penetrate, thus creating a new intercellular substance that ensures complete replacement of the adhesive with organic tissues.

## PACKAGING

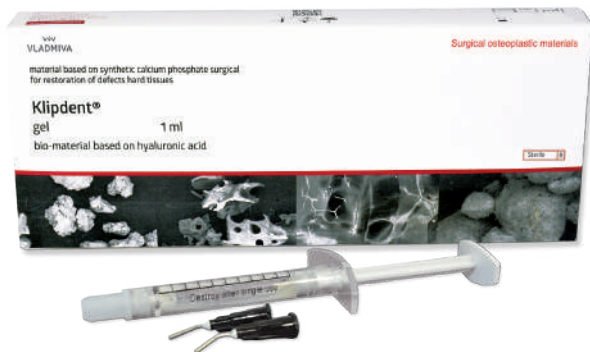
Code 00000054710	Gel	0,5 ml
Code 00000053685	Gel	1,0 ml
Code 00000053685	Gel	2,0 ml

**THE PRODUCT IS STERILE! Radiation Sterilization**

ANALOGUES FOR USE  
BioGlue, CRYOLIFE, USA

## HYALURONIC GEL

## KLIPDENT® – MC



## APPLICATION

- reliable protection and accelerated wounds healing after surgery;
- close defects after bone augmentation, optimize the use of materials for bone regeneration of synthetic xeno- or allo origin, reduce scarring in aesthetically significant areas and accelerate wound healing after implantation;
- support the regeneration process after surgical treatment of periodontal diseases, treatment of gingivitis, marginal superficial and deep periodontitis.

## FEATURES

Sodium hyaluronate is a highly purified biopolymer, which contains disaccharide residues of N-acetylglucosamine and glucuronic acid. The hydrated gel is similar to human hyaluronic acid. The narrow molecular weight range and the absence of animal proteins reduce the risk of allergic reactions.

Due to its high viscosity, the gel slows down the penetration of bacteria and viruses, acting as a biological barrier, which has a positive effect on the healing process.

The mixture of hyaluronic acid and bone regeneration materials significantly improves clinical performance by positively influencing osteoinductivity and fixing these materials at the application sites, thus preventing displacement of the augmentation material and providing volume stability.

The gel effectively fixes the augmentation material, regardless of whether it is an auto- or allogeneic graft, acting as a biological membrane.

The protective effect and slow absorption of hyaluronic acid ensure reliable and predictable regeneration of the augmentate, especially during sinus lift operations.

Hyaluronic acid has a positive effect on the formation of new bone material and ensures the strength of adhesion of granulate particles, which makes it possible to augment defects even in hard-to-reach places

## PACKAGING

Code 00000026068	Gel	1,0 ml
------------------	-----	--------

**THE PRODUCT IS STERILE!**

ANALOGUES FOR USE  
Hyadent, BIO-SCIENCE, Germany

**BIOPLAST-DENT****CHONDROITIN SULFATE GEL****APPLICATION**

- relieve edema and inflammation of the tissues of the oral mucosa in the practice of surgical dentistry, with injuries, fractures, and jaw splinting;
- prevent and treat periodontitis, gingivitis and stomatitis.

**FEATURES**

Bioplast-Dent Gel contains sulfated glycosaminoglycan, which promotes the healing of inflamed periodontium due to a synergistic effect aimed at reducing the activity of proteolytic enzymes and bacterial flora hyaluronidase. By normalizing the metabolism in the epithelial cells and fibroblasts of the gums, chondroitin sulfate quickly reduces gum swelling and bleeding, promotes the localization of inflammation, and prevents the process from spreading to surrounding tissues. Chondroitin sulfate significantly improves the condition of dentin and metabolism in odontoblasts.

Chlorhexidine bigluconate (in low concentration) has a wide range of effects against gram-positive, gram-negative bacteria and fungal flora. Due to the residual activity, it ensures the duration of the bactericidal action on the microorganisms that form dental plaque, contributes to the prevention and treatment of gingivitis, and reduces the gum inflammation.

Apply the Bioplast-Dent Gel after surgical operations to improve the overall metabolism in tissues due to the normalization of vascular microcirculation.

Bioplast-Dent Gel is well tolerated by patients with prolonged use, and does not cause allergic reactions.

**PACKAGING**

Code 00000023971	Gel	3 ml
Code 00000023972	Gel	10 ml

**ANALOGUES FOR USE**  
Surgical Dressin g, PD, Switzerland

**BIOPLAST-DENT****CHLORHEXIDINE GEL****APPLICATION**

Treat periodontal and peri-implant pockets after mechanical removal of dental deposits.

**FEATURES**

Bioplast-Dent is a gel based on a biopolymer (xanthan gum) and an antiseptic (chlorhexidine) in the form of digluconate (0.5%) and dihydrochloride (1.0%), which is used as an adjunct in the treatment of periodontal diseases and peri-implant pockets.



Chlorhexidine is a broad-spectrum antiseptic that has a bactericidal effect against vegetative forms of gram-negative and gram-positive microorganisms, yeast, dermatophytes and lipophilic viruses. Due to its adhesive properties, the gel acts as a sterile time-released antiseptic blocking agent, promoting the healing process. The mesh structure of the gel forms a guaranteed barrier for at least 15 days, limiting the recolonization of microorganisms in the gum pockets and in peri-implantitis after mechanical treatment.

Antiseptic components, unlike local antibiotics, do not contribute to the development of resistance in bacteria. A single gel syringe is enough to treat several periodontal pockets.

**PACKAGING**

Code 00000045526	Gel	1 ml
------------------	-----	------

**ANALOGUES FOR USE**  
CHLO-SITE, GHIMAS, Italy

## SELF-RESORBABLE PLATES WITH MODIFIED GELATINE AND CHLORHEXIDINE

## KP-PLAST PLATES (CHIPS)



### APPLICATION

Treatment of inflammatory periodontal diseases, in particular, gingivitis and periodontitis, and in the postoperative period during surgery.

### FEATURES

KP-Plast Plates are available in the form of chips (5x4 mm). They contain modified gelatin with 2.5 mg of chlorhexidine bigluconate (36%).

Chlorhexidine is effective against a wide range of vegetative forms of gram-negative and gram-positive microorganisms, yeast and lipophilic viruses. The bactericidal effect is reached due to the binding of cations formed as a result of the dissociation of chlorhexidine in a physiological environment with negatively charged phosphate groups of bacterial cell membranes and extramicrobial complexes. KP-Plast Plates prolong the required therapeutic concentration of chlorhexidine in case of localized and generalized periodontitis in the acute stage. They also promote the healing of periodontal pockets. The product does not require removal from the periodontal canal as it dissolves within 10 days after installation. The depth of the periodontal pocket must be at least 5 mm.

The treatment period is individual for each clinical situation. In most cases, one procedure is enough. KP-Plast Plate may be re-applied once in three months.

The use of KP-Plast Plates allows prolonged maintenance of the required therapeutic concentration of antimicrobial materials in infected periodontal tissues.

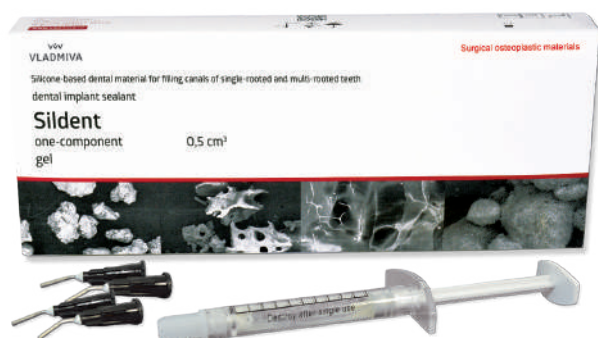
### PACKAGING

Code 00000053684	Plate	5 x 4 mm - 5 pc
Code 00000055295	Plate	5 x 4 mm - 10 pc

ANALOGUES FOR USE  
Perio Chip, Dexcel Pharma Technologies LTD, Israel

## SEALANT FOR DENTAL IMPLANTS BASED ON MODIFIED SILICONE MATRIX AND THYMOL

## SILDENT ONE-COMPONENT



### APPLICATION

Seal dental implant gaps to avoid peri-implantitis.

### FEATURES

Sildent Gel contains silicone matrix and thymol. These ingredients, have bactericidal properties, and provide additional protection.

The product seals all types of two-component implants reliably, preventing the penetration of microbes and thus eliminating the main cause of peri-implantitis. A single syringe is enough for 8-10 implants.

### PACKAGING

Code 00000045528	Gel	0,5 cm <sup>3</sup>
------------------	-----	---------------------

ANALOGUES FOR USE  
GAPSEAL, HAGER & WERKEN, Germany



## ALVANES SPONGE

## HEMOSTATIC ANTISEPTIC COLLAGEN SPONGE

Alvanes Sponge is available with:

- iodoform;
- chlorhexidine and metronidazole;
- lincomycin.

### APPLICATION

Treat and prevent inflammatory complications in surgical dentistry and periodontics:

- after tooth extraction in alveolitis treatment and periodontal abscesses;
- fill periodontal pockets after local anti-inflammatory therapy or curettage.



### FEATURES

Alvanes Sponge contains lyophilized collagen and hemostatic components that affect the individual stages of blood clotting and stop capillary bleeding effectively. The product also contains painkillers (lidocaine).

**Alvanes Sponge With Iodoform** contains iodoform, which releases iodine upon contact with vital tissues, which has an antimicrobial effect, activates the granulation tissue formation, and has an astringent and anti-inflammatory effect.

**Alvanes Antimicrobial Sponge With Chlorhexidine and Metronidazole** contains active ingredients, such as chlorhexidine and metronidazole.

Metronidazole has an antiprotozoal and antibacterial effect against anaerobic protozoa and bacteria. Metronidazole has an antiprotozoal and antibacterial effect against anaerobic protozoa and bacteria. As a result of a biochemical reaction, metronidazole splits nitro groups and their further interaction with the DNA of the microbial cell, which inhibits the synthesis of nucleic acids and destroys bacteria.

Chlorhexidine is effective against a wide range of vegetative forms of gram-negative and gram-positive microorganisms, yeast and lipophilic viruses. The bactericidal effect is reached due to the binding of cations formed as a result of the dissociation of chlorhexidine in a physiological environment with negatively charged phosphate groups of bacterial cell membranes and extramicrobial complexes.

**Alvanes Sponge With Lincomycin** contains lincomycin, which inhibits protein synthesis in microorganisms, thus providing bacteriostatic and bactericidal effect. It is effective against gram-positive microorganisms and mycoplasmas.

Alvanes Sponge has no local irritating or biotoxic effects. It stimulates tissue regeneration in the healing stage. It needs no doctor intervention for extraction since it is completely resorbed in a few days.

### PACKAGING

Code 00000034835	Sponge With Iodoform	30 pcs
Code 00000037495	Sponge with Chlorhexidine & Metronidazole	30 pcs
Code 00000037496	Sponge with Lincomycin	30 pcs

**ANALOGUES FOR USE**  
Alvostase sponge, Omega Dent, Russia  
Hemocollagen, Septodont, France

GAUZE TAMPONADE BANDAGE MADE OF  
100% COTTON WITH WOVEN SELVEDGE

## BANDAGE IODOFORM



### APPLICATION

Treatment of post-extraction sockets and disinfect maxillary sinuses.

### FEATURES

The tamponade bandage is made of 100% cotton and has woven edges.

100 g of bandage contains 5 g of iodoform.

The bandage has a slight anesthetic and antiseptic effect, and adsorbs effectively. Iodoform reacts with wound exudate and releases free iodine, which has a pronounced bactericidal effect.

### PACKAGING

Code 00000026014	Bandage	2,5m x 10 mm
Code 00000026016	Bandage	2,5m x 20 mm
Code 00000026013	Bandage	0,5m x 10 mm
Code 00000026015	Bandage	0,5m x 20 mm

ANALOGUES FOR USE  
Iodoform Gauze, PD, Switzerland

# Orthopedic dental materials

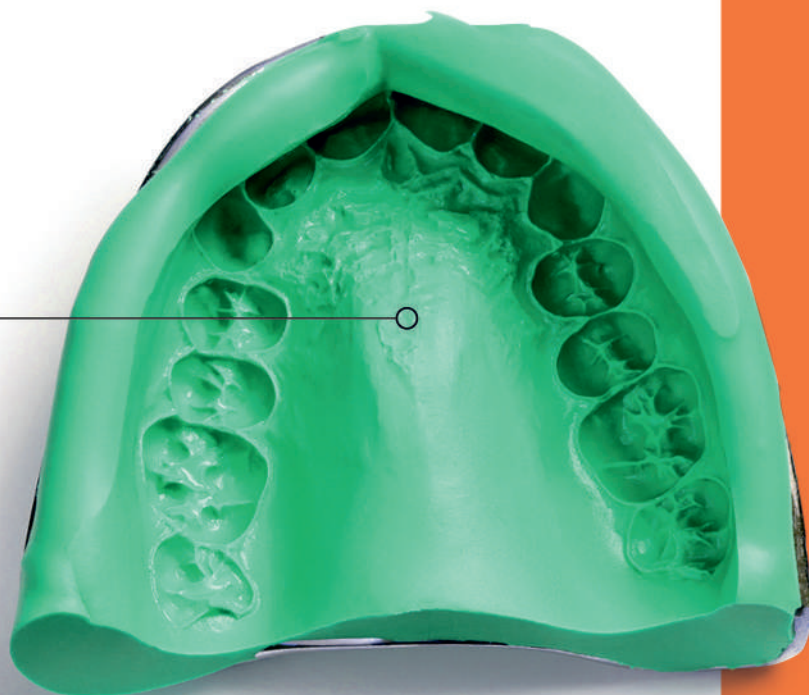
viv  
VLADMIVA

## LIQUIDS FOR PROCESSING OF PRODUCTS AND INSTRUMENTS

Orthosol  
Megadez-Ortho

## IMPRESSION MATERIALS

Beloprint  
Beloprint-Chromatic  
Beloprint-Time  
Belast  
Masster

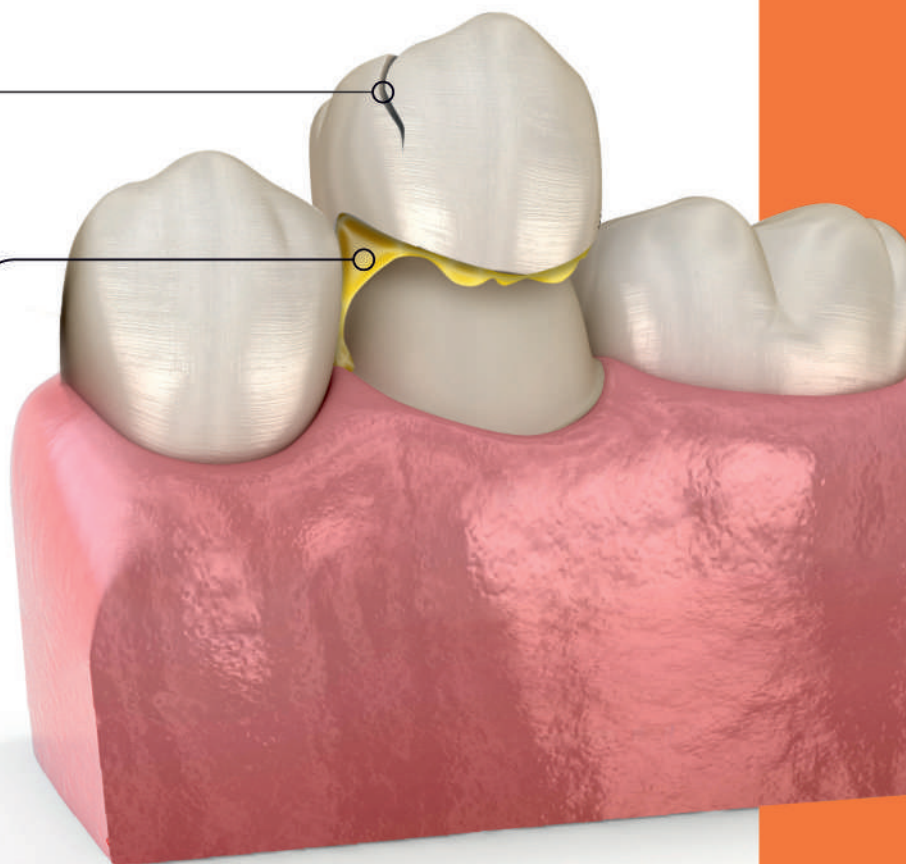


## MATERIALS FOR REPAIR AND MAKING OF ORTHOPEDIC CONSTRUCTIONS

Ceramgel  
Tempcor

## MATERIALS FOR FIXATION

Armosplint  
Compofix  
Orthofix-Aqua  
Pectafix  
Tempofix  
Cemion-F  
Unicem-F



ALGINATE IMPRESSION MATERIAL

**BELOPRINT**



**APPLICATION**

Impression material for prosthetics and orthodontics.

**FEATURES**

Beloprint is a non-dusting powder with a short wetting time. It contains sodium alginate, calcium sulfate, food flavor and filler.

An impression made of Beloprint accurately reproduces the relief of oral cavity soft and hard tissues. The product has a high elasticity and strength.

The compatibility of the product with plaster provides a durable, smooth plaster model surface with sharp detail reproduction.

The product contains no preservatives and disinfectants, does not irritate oral cavity tissues.

**ANALOGUES FOR USE**  
Hydrogum, Zhermark, Italy  
Ypeen, Spofa Dental, Czech Republic

**PACKAGING**

Code 00000004805 Powder - 450 g  
Code 00000004871 Powder - 800 g

ALGINATE IMPRESSION MATERIAL WITH ACTIVE PHASE INDICATION

**BELOPRINT – CHROMATIC**



**APPLICATION**

Impression material for prosthetics and orthodontics.

**FEATURES**

Beloprint-Chromatic is a non-dusting powder with a short wetting time. It contains sodium alginate, calcium sulfate, structuring indicator, food flavor and filler.

The indicator is added to the product to visually control the individual stages of material structuring, which facilitates the preparation of dental materials and minimizes the residence time of the impression material in the patient's oral cavity.

Color indication of the structuring process stages:

- violet – mixing;
- lilac – filling a dental impression tray
- pale-blue – insertion into patient's oral cavity

**ANALOGUES FOR USE**  
Elastic Cromo, Spofa Dental, Czech Republic  
Phase Plus, Zhermack, Italy

**PACKAGING**

Code 00000007474 Powder - 450 g

LIQUID FOR INCREASING WORKING TIME

**BELOPRINT – TIME**



**APPLICATION**

The product increases the working time of alginate impression masses of the Beloprint series (Beloprint and Beloprint-Chromatic).

**FEATURES**

Beloprint-Time Liquid contains a component that slows down the alginate curing process, while physical properties (such as strength and elasticity) of the material remain unchanged.

Beloprint-Time does not affect the minimum time period, during which the material must stay in the oral cavity.

Beloprint-Time Liquid is used in cases where it is necessary to extend the pre-curing time of the alginate impression material, e.g. in summer, or when a patient is a child.

Beloprint-Time has no flavor. It is biologically compatible and does not cause allergic reactions in patients.

**ANALOGUES FOR USE**  
«Personal Krono» - «Lascod», Italy

**PACKAGING**

Code 00000018843 Liquid - 30 ml

# BELAST

## IMPRESSION SILICONE MATERIAL OF CONDENSING TYPE

### APPLICATION

**BELAST OF HIGH-VISCOSITY** (type 0 is hard and type 1 is soft) is used to obtain a primary base impression using single-layer and two-layer technology in the manufacture of modern types of prostheses. To obtain accurate impressions of various hard and soft tissues, use Belast without adding other components.

**BELAST OF LOW-VISCOSITY** (type 3) is used to obtain a secondary detailed impression using a two-layer technology in the manufacture of modern types of prostheses, as well as to obtain a functional impression of an edentulous jaw in an individual molding tray and to determine the boundaries of the prosthetic field of a complete removable denture.

**BELAST OF MEDIUM VISCOSITY (type 2)** is used to obtain impressions with partial defects in the dentition with high tooth mobility, periodontal diseases, undercuts, and fractures of the jaw bones. The product is also used in the manufacture of prostheses and orthodontic appliances for children.

**BELAST CATALYST** is used to cure Belast silicone impression masses (of high, medium, and low viscosity).



### FEATURES

Belast of HIGH, LOW, and MEDIUM VISCOSITY are curable silicone compositions of condensing type. The material has a perfect initial consistency and sufficient rigidity after curing, high impression efficiency, elasticity, and slight shrinkage.

Belast CATALYST is a multi-purpos gel-like catalyst for the condensation of silicone materials to make accurate impressions of various hard and soft tissues of the prosthetic field.

Mix the silicone material (Belast HIGH-VISCOSITY, Belast MEDIUM-VISCOSITY, Belast LOW-VISCOSITY) with the catalyst gel to get an elastic cast material. The dosage of the catalyst must strictly comply with of the instructions for use of the base material.

Cure time depends on the amount of catalytic gel added. Increase the amount of the catalyst and the temperature to shorten the cure time. Vice versa, add less catalyst and lower the temperature to increase the cure time.

### WORKING CHARACTERISTICS

Material	Mixing time	Working time	Hardening time
<b>HIGH-VISCOSITY</b> (type 0, type 1)	30 sec	1 min 30 sec	3 min
<b>LOW-VISCOSITY</b> (type 2)	30 sec	1 min 30 sec	3-4 min
<b>MEDIUM-VISCOSITY</b> (type 3)	30 sec	2 min	4-5 min

### PACKAGING

Code 00000055384 /00000025862	HIGH VISCOSITY (type 0-hard)	Paste	- 910 ml / 1,5 kg
Code 00000055385 /00000025863	HIGH VISCOSITY (type 1-soft)	Paste	- 910 ml / 1,5 kg
Code 00000053107	LOW VISCOSITY (type 3)	Paste	- 140 ml
Code 00000057384	MEDIUM VISCOSITY (type 2)	Paste	- 130 g (80 ml); gel - 7 g
Code 00000047380	CATALYST universal	Gel	- 60 ml
Code 00000010160	SET	Paste	- 1,5 kg; Paste - 100 g; Gel - 60 g

Available as a set and separate items.

**ANALOGUES FOR USE**  
Zetaplus, Zhermack, Germany  
Speedex, Coltene whaledent, Switzerland  
Stomaflex, Spofa Dental, Czech Republic

# MASSTER

## IMPRESSION THERMOPLASTIC DENTAL MASS

### APPLICATION

- cast preliminary impressions and custom trays;
- cast impressions for inlays and crowns;
- make functional and compression impressions for integral removable dentures.

### FEATURES

Masster Impression Thermoplastic Dental Mass is a nontoxic polymer (polycaprolactone) with a melting point of about 65°C.

### PACKAGING

Code 00000000072	Plates	- 200 g
Code 00000042017	Granules	- 200 g
Code 00000050200	Sticks	- 70 g



**ANALOGUES FOR USE**  
Stens-03, Stoma, Ukraine

## SET OF GELS FOR TREATMENT AND REPAIR OF ORTHOPEDIC CONSTRUCTIONS



Ceramelgel is available as

- a set of two gels (gel №. 1 and gel №. 2);
- a complete set of dental product (gel №. 1, gel №. 2, enamel etching gel, adhesive, opaquer, microhybrid composite UD and microhybrid composite of one of the following shades: A1, A2, A3, A3.5, B2, C2).

### APPLICATION

**Gel №. 1** is used for ceramic etching when repairing or cementing ceramic restorations both directly in the oral cavity and in the laboratory.

**Gel №. 2** is used to protect the soft and hard tissues of the oral cavity and adjacent restorations against the effects of Gel №. 1 or etching gels.

**Enamel Etching Gel** is used for tooth enamel and dentin etching, and for metal surface etching.

**The Adhesive** is used to create a strong bond between a composite material, ceramics and metal in the repair of ceramic and porcelain-metal products.

**Opaquer** is used to mask a metal surface and imitate a natural dentin color.

**DentLight Universal Microhybrid Composite** is used to restore ceramic chips.

### FEATURES

**Gel №. 1** contains hydrofluoric acid (HF), which etches ceramics and glass easily.

**Gel №. 2** contains a sodium bicarbonate solution that neutralizes the acid effect.

**Enamel Etching Gel** contains 37% phosphoric acid.

**Adhesive Primer** contains oligoestermethacrylate, solvent, photoinitiators and stabilizers. The product forms a strong thin bonding layer on the surface of ceramic and metal, provides strong adhesion, and allows further restoration with any suitable composite materials.

The **Opaquer** is an organic multifunctional binder filled with inorganic oxides and pigments. **DentLight Universal Microhybrid Composite** contains:

- high-strength polymer matrix that contains Bis-GMA, UDMA, TEGDMA and other oligomers;
- radiopaque nano-filler (80-85 wt.% or 62-65 vol.%) made of modified barium boron aluminosilicate clusters (0.1-3 µm) and nanosized silicon dioxide (5-75 µm), which is used to achieve the optimal result is a combination manufacturability, strength and aesthetics of the material.

### PACKAGING

Code 00000001544  
Code 00000044697

Gel № 1 - 5 ml; Gel № 2 - 5 ml  
Gel № 1 - 5 ml; Gel № 2 - 5 ml; Opaquer - 3 g; Primer-adhesive - 5 ml,  
Paste UD - 4,5 g; Composite paste A2 - 4,5 g;  
Gel for enamel etching - 5 ml

ANALOGUES FOR USE  
Ultradent Porcelain Etch&silane, EtchArrest, Ultradent, USA

## COMPOSITE MATERIAL

## TEMPOCOR



### APPLICATION

Making of temporary crowns, bridges, inlays, onlays and other dental prostheses.

### FEATURES

Tempocor is a polymer composite material based on polyfunctional methacrylates. It is available in the form of two pastes (base and catalytic) of different VITA colors (A2, A3, A3.5, B2, C2). The composite cement is made by mixing equal amounts of pastes. It cures quickly and forms a strong and durable material.

The material is easy to use:

- 0:00-0:45 min – make a filling and put it inside the oral cavity;
- 0:45-3:00 min – the material cures and must be removed from the oral cavity;
- 7:00-9:00min – complete curing and final treatment..

- The product is used for long-term temporary prosthetics;
- High fracture strength;
- Excellent polishability, high color stability;
- Resistance to abrasion;
- Perfect marginal seal;
- The product does not release monomers or overheat teeth;
- The structure is easily adjusted with a liquid composite.

### PACKAGING

Code 00000025914

Basic paste A2 - 3,5 g x 2 pc;  
Basic paste A3 - 3,5 g x 2 pc;  
Basic paste B2 - 3,5 g x 2 pc;  
Catalytic paste - 3,5 g x 6 pc  
Basic/catalytic paste A2 - 3,5 g x 2 pc  
Basic/catalytic paste A3 - 3,5 g x 2 pc  
Basic/catalytic paste A3,5 - 3,5 g x 2 pc  
Basic/catalytic paste B2 - 3,5 g x 2 pc  
Basic/catalytic paste C2 - 3,5 g x 2 pc

Code 00000024320  
Code 00000024321  
Code 00000018845  
Code 00000024322  
Code 00000025917

### Automix

Code 00000057028  
Code 00000061748  
Code 00000000000  
Code 00000000000  
Code 00000000000

Basic/catalytic paste A2 - 6 g+6 g;  
Basic/catalytic paste A3 - 6 g+6 g;  
Basic/catalytic paste A3,5 - 6 g+6 g;  
Basic/catalytic paste B2 - 6 g+6 g;  
Basic/catalytic paste C2 - 6 g+6 g;

ANALOGUES FOR USE  
«Access Crown» - «Centrix», USA  
«Pro-Crown» - «WD Dental», Germany

# ARMOSPLINT

## DENTAL SET FOR FIXATION OF MOVABLE TEETH

### APPLICATION

- over- and in-crown fixation (splinting) of Imovable teeth;
- tooth retention to consolidate orthodontic treatment;
- tooth immobilization in case of traumatic dislocation or subluxation;
- direct replacement of defective dentition;
- indirect fabrication of adhesive prostheses and splinting constructions (in dental laboratories);
- restoration of tooth crown part.



### FEATURES

**Armosplint** contains fiberglass, a wetting liquid, DentLight-flow Composite Liquid, and Belabond Adhesive System. Armosplint Fiberglass is available as strips or cords of special high-modulus weaving.

**Armosplint** Fiberglass has a wide range of specific properties:

- the product is very flexible and adapts well to the irregularity of tooth surface;
- it can be used in combination with any liquid composite;
- it can be polished after accidental exposure depending on the composite thickness;
- the product is resistant to moisture;
- it has the same transparency as the composite, which avoids problems with color imitation during restoration (it does not violate the aesthetic properties of the composite), in some cases it can be used as an opaquer;
- it does not require special storage conditions, special protective gloves or special tools;
- it can be cut with sharp scissors and does not unravel;
- the required amount of the product can be measured with a feeler gauge or soft aluminum foil applied to the intended splint;
- it is well impregnated with a special wetting liquid, which makes it possible to achieve a good adhesion of fiberglass with the composite.

**DentLight** is a low-viscosity light-cured paste of various VITA shades (A2, A3, A3,5, B2, C2, OA3, translucent/cutting edge). It contains a polymer binder and a modified fine filler. Due to its optimal flowability, the product easily adapts to the cavity surface. DentLight-flow is compatible with all light-curable composites and compomers, which makes it versatile in cases where material combinations are required. The liquid composite is applied after the adhesive system application.

**Belabond Adhesive System** consists of a primer and an adhesive designed to create a strong bond between the composite and tooth tissues. The primer completely wets the dentin surface and easily penetrates into the dentinal tubules due to the multifunctional hydrophilic oligomers it contains. Beside hydrophilic molecules, the adhesive contains polymerizable resins that provide a chemical bond with the composite.

The technology of manufacturing and fixing fiberglass adhesive structures has a large number of advantages, such as:

- fast and simple technique;
- fast preparation of hard tooth tissues;
- construction aesthetics (full imitation of natural tooth tissues color) due to fiberglass transparency;
- formation of a strong adhesive structure due to micromechanical retention and chemical adhesion of the reinforcing tape to the composite material;
- possibility of repair and fabrication of structures in the oral cavity in one visit.

### PACKAGING

#### Set

Code 0000005414	Glass fibre: Strip (90 x 2 x 0,25 mm) - 1 pc; Strip (90 x 3 x 0,25 mm) - 1 pc; Cord (90 x 1 mm) - 1 pc; Cord (90 x 1,5 mm) - 1 pc; Liquid for wetting - 5,0 ml; Primer - 5,0 ml; Adhesive - 5,0 ml; Liquid composite - 2,0 g; Etching gel on organic base - 1,0 ml.
Code 00000054771	Strip (90 x 2 x 0,25 mm) - 3 pc; Liquid for wetting - 5,0 ml;
Code 00000054936	Strip (90 x 3 x 0,25 mm) - 3 pc; Liquid for wetting - 5,0 ml;
Code 00000054937	Cord (90 x 1,0 mm) - 2 pc; Liquid for wetting - 5,0 ml;
Code 00000054938	Cord (90 x 1,5 mm) - 2 pc; Liquid for wetting - 5,0 ml;
Code 00000054939	Girder (30x2x1,0mm) - 3pc., Liquid for wetting - 5,0 ml

Available as a set and as separate items.

ANALOGUES FOR USE  
J-Fiber, Jen Dental, USA  
Construct, Kerr, USA  
GlasSpan, GlasSpan, USA

TWO-COMPONENT GLASS-IONOMER CEMENT

CEMION-F



APPLICATION

Fix crowns, bridges and orthodontic structures, fix inserts and pins.

FEATURES

Mix the Cemion-F powder and liquid to get the composite cement. The powder is a fine alumino-silicate glass, and the liquid is an aqueous solution of polyacrylic acid.

Cemion-F is a radiopaque material that has high mechanical strength, low solubility, good adhesion to enamel, dentin and basic structural dental materials. The cement provides a good marginal seal, long-term release of fluorine, which strengthens dental hard tissues and prevents the development of secondary caries.

Cemion-F causes no pain when fixing crowns and prosthetic bridges.

PACKAGING

Code 00000001240 Powder - 20 g; Liquid- 15 ml; Conditioner - 10 ml

ANALOGUES FOR USE  
Ketac Cem, 3M Espe, Germany  
Meron, VOCO, Germany  
Fuji I, GC, Germany

DUAL-CURED COMPOSITE CEMENT

COMPOFIX



APPLICATION

The product is used to fix:

- metal and porcelain fused metal crowns and prosthetic bridges;
- stump inlays made of metal alloys, ceramics and composites;
- veneers made of ceramics, porcelain, and composites.

FEATURES

Compofix contains methacrylate oligomers, inorganic fine filler, chemical and light-cured activators and stabilizers.

Compofix is a dual-cured (chemically and light cured) composite material available in the form of two pastes (base and catalytic) of different VITA colors (A2, A3, A3.5, B2, and C2)

The product cures in a short time and forms a strong mass with adhesion to dental hard tissues and surfaces of various orthopedic structures. It has an optimal hardness and compressive strength, low solubility and good erosion resistance. Besides, the material releases fluorides over time.

PACKAGING

Code 00000004870 (A2) Basic paste - 3,5 g; Catalytic paste - 3,5 g; Primer - 5,0 ml; Adhesive - 5,0 ml; Silane - 5,0 ml; Gel for enamel etching - 5,0 ml

Code 00000026069 (A3) Basic paste - 3,5 g; Catalytic paste - 3,5 g; Primer - 5,0 ml; Adhesive - 5,0 ml; Silane - 5,0 ml; Gel for enamel etching - 5,0 ml

Code 00000026070 (A3,5) Basic paste - 3,5 g; Catalytic paste - 3,5 g; Primer - 5,0 ml; Adhesive - 5,0 ml; Silane - 5,0 ml; Gel for enamel etching - 5,0 ml

Code 00000026071 (B2) Basic paste - 3,5 g; Catalytic paste - 3,5 g; Primer - 5,0 ml; Adhesive - 5,0 ml; Silane - 5,0 ml; Gel for enamel etching - 5,0 ml

Code 00000026072 (C2) Basic paste - 3,5 g; Catalytic paste - 3,5 g; Primer - 5,0 ml; Adhesive - 5,0 ml;

Code 00000048915 Basic paste A2 - 6 g, Catalytic paste - 6 g;

Automix

Code 00000045470 Basic paste A2, Catalytic paste - 6 g+6 g;

Code 00000058126 Basic paste A3, Catalytic paste - 6 g+6 g;

ANALOGUES FOR USE  
Nexus2, Kerrhawe, Switzerland  
Calibra, Dentsply, USA  
Twinlook Cement, Heraeus Kulser, Germany  
PanaviaF, Kuraray, Japan



## ORTHOFIX-AQUA

### DENTAL CEMENTS FOR ORTHOPEDICS

#### APPLICATION

Orthofix-Aqua System was developed to improve the quality of orthopedic treatment using fixed dentures, and to increase the service life of crowns and bridges. The product can be combined with:

- glass ionomer cement;
- polycarboxylate cement;
- calcium cement for temporary fixation.



Orthofix-Aqua cements are used for permanent fixation (S and P) and temporary fixation (K) of crowns, inlays, pins, prosthetic bridges, orthopedic and orthodontic constructions.

#### FEATURES

Orthofix-Aqua GLASS IONOMER is a mixture of aluminofluorosilicate glass and dry polyacrylic acid. The glass ionomer cement powder is easily mixed with water to get the desired consistency. Glass ionomer reaction starts immediately after mixing.

The material has good adhesion to enamel and dentin, low solubility, and high mechanical strength. It prevents the development of secondary caries due to the gradual release of fluorine ions.

Orthofix-Aqua POLYCARBOXYLATE cement is a mixture of modified zinc oxide and dry polyacrylic acid. Orthofix-Aqua Polycarboxylate Cement has good adhesion to dentin, enamel and to most of the structural dental materials. Besides, it has low solubility and shrinkage, and high stability. Polycarboxylate cement powder Orthofix-Aqua is easily mixed with water to get the required consistency. It causes no pain when fixing crowns and prosthetic bridges.

Orthofix-Aqua CALCIUM CONTAINING cement is made by mixing calcium powder with distilled water. Application Orthofix-Aqua Cement is used for temporary fixation facilitates the adaptation of a patient to new orthodontic dentures. The product is also used for aesthetic purposes to fix temporary crowns while the permanent ones are being fabricated. The product has good adhesive properties, which ensure painless removal of temporary crowns.

#### PACKAGING

Code 0000000087	Orthofix-Aqua K: Powder	- 30 g
Code 0000000088	Orthofix-Aqua S: Powder	- 30 g
Code 0000000089	Orthofix-Aqua P: Powder	- 30 g

#### ANALOGUES FOR USE

Orthofix S: Aqua Meron, VOCO, Germany; Megafix, Megadenta, Germany  
Orthofix P: Aqualox, VOCO, Germany; Carbochem, PSP, UK  
Orthofix K: Oxydentin, Chema, Poland;

## PECTAFIX

### MATERIAL FOR TEMPORARY FIXATION OF PROSTHESES

Pectafix is available as:

- periodontal gel;
- powder;
- cream (gel).



#### APPLICATION

**PERIODONTAL GEL** is used for the treatment of inflammatory processes and oral mucosa damage, including those arising in the process of adaptation and wearing removable dentures.

**POWDER** is used for fixing removable dentures of the upper and lower jaw, especially with high sensitivity of the mucosa oral cavity, which complicates dentures wearing. It is recommended for application when using new prostheses that cause pain.

**CREAM (gel)** is used for fixation removable dentures within 8-12 hours. When applying on the prosthesis, the cream acts as a pad, providing a soothing effect on painful areas of the mucosa.

#### FEATURES

Pectafix Periodontal Gel contains a highly purified corn germ extract, vitamins A and E, and essential oils. The natural plant ingredients create a protective film on the affected area of the gum or mucous membrane, which adheres well to a wet surface. It prevents the penetration of pathogenic microorganisms into the wound surface, which significantly accelerates the healing of the affected areas. The gel effectively relieves swelling and inflammation, has a fast analgesic effect, improves microcirculation in periodontal tissues, does not disturb the natural composition of the microflora of the oral mucosa, and is easily tolerated during long-term use.

The gel contains no ethanol and lidocaine.

The powder contains sodium alginate and pectin. These are natural polysaccharides that have good adhesion to the mucosa and reduce pain and discomfort caused by removable dentures.

Pectafix preserves the integrity of the composition during prolonged absorption of moisture. Besides, Pectafix Cream (Gel):

- provides tight and strong fixation to the gum;
- firmly fixes a prosthesis throughout the day;
- protects the space under dentures from food particles during eating;
- prevents chafing and gum diseases;
- can be easily removed from a prosthesis.

#### PACKAGING

Code 0000000090	Cream (gel)	- 60 g
Code 0000000091	Powder	- 40 g
Code 00000013293	Periodontal gel	- 10 g

#### ANALOGUES FOR USE

Calcident, Spofa Dental, Czech Republic  
Protefix, Queisser Pharma, Germany  
COREGA, Stafford-Miller, Ireland

MATERIAL FOR TEMPORARY FIXATION OF REMOVABLE ORTHOPEDIC CONSTRUCTIONS

TEMPOFIX



Tempofix is available in two forms:

- **paste;**
- **liquid.**

PASTE

APPLICATION

- fix temporary crowns for the period of manufacture of permanent crowns and bridges;
- fix permanent non-removable dentures for the period of adaptation;
- use as a temporary filling material to cover medicines;
- isolate lining material for treatment of deep caries and delayed or multi-stage treatment of periodontitis.

Tempofix is available:

- **Eugenol-free** (basic paste/catalytic paste);
- **Eugenol** (basic paste/catalytic paste).

FEATURES

**Tempo ix Eugenol-Free** is a two-component (paste+paste) eugenol-free material. The base (white) paste contains zinc oxide, paste-forming and modifying additives, while the catalytic (brown) paste contains natural resins, organic acids and an activator.

**Tempo ix Eugenol-Free** is recommended for the patients with allergic reactions to eugenol.

Tempofix Eugenol is a two-component (paste+paste) material. The base (white) paste contains zinc oxide, paste-forming and modifying additives, while the catalytic (brown) paste contains eugenol, paste former and an activator.

Tempofix eugenol does not affect the quality of subsequent fixation or restoration with composite materials.

PACKAGING

Eugenol-free

Code 00000010185 Basic paste - 50 g, Catalytic paste - 15 g

Code 00000069615 Basic paste - 85 g, Catalytic paste - 25 g

Eugenol

Code 00000018707 Basic paste - 45 g, Catalytic paste - 15 g

Code 00000069954 Basic paste - 85 g, Catalytic paste - 25 g

ANALOGUES FOR USE  
Temp Advantage Tubs, GC, USA  
Temp Bond Ne, Kerr, USA  
Dentafix Dental Cement, VOCO, Germany  
Relyx, 3M Espe, Germany



LIQUID

APPLICATION

Soften and dissolve temporary fixations of zinc-oxide cements (e.g., Tempofix Eugenol, Tempofix Eugenol-Free, Orthofix- Aqua K).

FEATURES

The liquid contains potassium hydroxide, a non-ionic surfactant, an emulsion stabilizer and water.

Tempofix Liquid softens and dissolves the temporary cement layer and facilitates the preparation of the orthopedic structure for permanent fixation.

PACKAGING

Code 00000037860 / 00000037861

Liquid 125 ml / 900 ml

## UNICEM-F

## TWO-COMPONENT GLASS-IONOMER CEMENT

### APPLICATION

Fix inlays, pins, metals, plastic, porcelain, ceramic (including zirconium oxide and aluminum oxide) crowns and dental bridges.

### FEATURES

Unicem-F cement powder contains zinc oxide with modifying additives. It is used with two different liquids. When the powder is mixed with liquid №. 1, which is an aqueous solution of phosphoric acid containing aluminum and zinc phosphates, zinc-phosphate dental cement is formed. When the powder is mixed with liquid №. 2, which is an aqueous solution of polyacrylic acid, zinc polycarboxylate cement is formed (Belocor (VladMiVa).



### PACKAGING

Code 00000000000 Powder – 100 g, Liquid №.1 – 30 g, Liquid №.2 – 30 g

## MEGADEZ – ORTHO

## DISINFECTANT

### APPLICATION

Disinfect dental casts made of alginate and silicone materials, polyester resin, disinfect impression trays, corrosionresistant articulators, and denture blanks made of ceramics, metals, and plastics.

### FEATURES

Active ingredients: 30% propanol-1, 35% propanol-2, 0.39% N,N-didecyl-N-methylpoly-(hydroxyethyl)-ammonium propionate, 0.30% dodecyl-dipropylenetriamine. The product also contains flavor, pigments, and water.

The product has a good antimicrobial effect against gramnegative and gram-positive bacteria, including tuberculosis pathogens (tested for Mycobacterium terrae), pathogenic fungi (causative agents of candidiasis) and viruses (causative agents of parenteral hepatitis B, C, D, HIV infection, influenza, including type A H5N1, H1N1, herpes, and cytomegalic inclusion disease).

### PACKAGING

Code 00000043380 Liquid - 1 l



ANALOGUES FOR USE  
PrintoSept - ID, Alpro Medical GMBH, Germany;  
Impressive, Alkapharm UK Limited, UK

SET OF LIQUIDS FOR PROCESSING  
DENTAL IMPRESSIONS

ORTHOSOL



PACKAGING

Code 0000003524      Liquid -125 ml  
Code 00000025870      Liquid -500 ml



PACKAGING

Code 00000025868      Liquid -1 l  
Code 00000026073      Liquid-spray - 500 ml

ANALOGUES FOR USE  
Algina spray, Pierre Rolland, France

ORTHOSOL -CLEANS

APPLICATION

Clean dental tools from alginate and plaster impression masses (concentrate).

FEATURES

«Orthosol»-Cleans (concentrate) provides high-quality cleaning due to the component that forms water-soluble complexes with calcium ions and other divalent ions.

ORTHOSOL -IMPRES

APPLICATION

Preserve the quality of impressions from alginate materials (prevent dehydration and protect against dimensional deformations).

FEATURES

Orthosol-IMPRES contains a film-forming agent in a highly evaporating filler, which protects impressions against alginate materials. It is used to prolong the modeling of plaster models for up to 3 days. It is also used to cast a plaster model and a duplicate using the same alginate cast. When storing impressions made from alginate materials, significant volumetric changes occur as a result of water loss and syneresis. Orthosol-IMPRES prevents dehydration and protects alginate impressions from dimensional deformations. Therefore, the impressions can be stored in a tightly closed package for three days.



PACKAGING

Code 00000004660      Liquid - 125 ml  
Code 00000025871      Liquid - 500 ml

ANALOGUES FOR USE  
Protefix, Queisser Pharma, Germany  
Corega, Block Drug Company Inc, Germany

ORTHOSOL -DENT

APPLICATION

- clean removable dentures from bacterial plaque, food particles and fixing materials;
- treat prostheses before storage (concentrate);
- remove bacterial plaque and stains from the structure;
- prevent inflammatory diseases of the oral cavity in people that wear removable dentures;
- provide a sense of cleanliness and fresh breath.

FEATURES

Orthosol-Dent Liquid (concentrate) contains a cationic quaternary ammonium compound, which determines the microbicidal and microbostatic effect of the concentrate, and a salt of sorbic acid, which has a fungistatic effect. The product has a pleasant fragrance, which creates a feeling of freshness.

# Materials for dental technicians

  
**VLADMIVA**

## BASE RESINS

Belacryl  
(M/E SC, M/E HC)  
Belflex

## MATERIALS FOR PROCESSING AND POLISHING MATERIALS

Belect  
Poliset

## LIGHT-CURING POLYMER MATERIALS

Nolatek (sets)

## DENTAL WAXES

Belowax  
- basic  
- sticky  
- check bites  
- molding  
- modelling  
- immersion  
- orthodontic  
Belowax-L

## MOLDING MATERIAL

Beloform  
Belolit

## MATERIALS FOR MAKING DENTAL PROSTHESIS

Ultropaline  
Otbl

## SOLDERS AND ALLOYS

Alloy fusible  
Silver solder

## VARNISHES FOR DENTAL WORKS

Compelak  
Compelak-S  
Isalgin  
Isospray

## CERAMIC CRUCIBLES



**M** - precursor plastic

**E** - precursor-free plastic

**SC** - self curing

**HC** - hot curing



## BASIC PLASTICS

### **BELACRYL-M Self-Curing**

### **BELACRYL-E Self-Curing**

*For repair and relining*

- translucent pink plastic with fibers

### **BELACRYL-M Self-Curing SP**

*For casting and repair of prostheses*

- translucent pink plastic with fibers

### **BELACRYL-M Hot Curing**

### **BELACRYL-E Hot Curing**

*Manufacture of prostheses*

- colorless
- translucent pink with fibers
- translucent pink plastic with fibers
- opaque pink plastic with fibers



## PLASTIC MATERIALS FOR FIXED PROSTHESES

### **BELACRYL-M Self-Curing VK**

### **BELACRYL-E Hot Curing VK**

*Fabrication of temporary crowns*

- VITA shades

### **BELACRYL-M Hot**

### **BELACRYL-E Hot Curing S**

*Manufacture of crowns and veneers of fixed dentures*

- shades according to the company's own color scale

### **BELACRYL-E Self-Curing Tempo**

*For temporary crowns and bridges*

- shades according to the company's own color scale

### **BELACRYL-M Hot Curing Tempo**

### **BELACRYL-E Hot Curing Tempo**

*Manufacture of crowns and veneers of fixed dentures*

- VITA shades



## ORTHODONTIC PLASTIC MATERIALS

### **BELACRYL-M Hot Curing Ortho**

### **BELACRYL-M Hot Curing R**

*Manufacture of orthodontic appliances using a pouring/molding technique*



## LINING PLASTIC MATERIALS

### **BELACRYL-E Hot Curing Soft**

### **BELACRYL-E Self-Curing Hard**

*Manufacture of soft pads*  
• translucent pink plastic without fibers

*Manufacture of solid pads*  
• translucent pink plastic without fibers



## ATTENDANT MATERIALS

### **BELACRYL-E Hot Curing Color**

### **BELACRYL-M**

*Multi-purpose opaque dye*

- pink
- white
- grey
- brown
- shade A
- shade B
- shade C, D

*For degreasing teeth and dentures*

# BELACRYL® – M/E SC, M/E HC

## POLYMER MATERIAL FOR DENTURE BASES

Polymer material for denture bases is available as:

- BELACRYL - **M (methyl methacrylate) - precursor resin**;
- BELACRYL - **E (ethyl methacrylate) - non-precursor resin**.

### APPLICATION

**HC** is a hot curing base material for bases manufacturing of removable dentures (full and partial).

**SC** is a self-curing base material for repair and rebase of removable dentures, as well as for manufacturing and repair of orthodontic and orthopedic devices and constructions.



### FEATURES

Belacryl Materials are available as two components - a **powder** containing polyesters of methacrylic acid and a catalyst of the polymerization reaction, benzoyl peroxide, and a **liquid** containing methylmethacrylate monomer (**M**) and/or ethylmethacrylate monomer (**E**). After mixing the components, the polymer is formed, curing under heating (heat-curing) - **HC** or without heating (self-curing) - **SC**.

Belacryl Materials are distinguished by high manufacturability, simplicity and speed of manufacturing products with high quality, functional durability, natural appearance and biocompatibility.

Belacryl resin has a smooth, hard, shiny, colorless or evenly colored pink surface (with or without fibers). It is characterized by good polishability, high color stability and no pores. The resin is non-toxic, biologically inert to the tissues of the oral cavity, has low water absorption and solubility in water.

Belacryl base materials are available in four colors:

- **colorless** unveined resin;
- **transparent pink** resin (veined or unveined);
- **translucent pink** resin (veined or unveined);
- **opaque pink** resin (veined or unveined).

It is recommended to use colorless resin, especially in cases of prostheses manufacturing for patients with individual intolerance to pigments contained in the denture base materials.

Transparent and translucent pink resin is best suited for manufacturing of full removable dentures, and opaque pink resin is suitable for manufacturing a base of an arch denture.



### PACKAGING

Code 00000044903 (M)	Liquid 150 ml
Code 00000046949 (M)	Liquid 1,0 l
Code 00000044902 (M HC)	Liquid 150 ml
Code 00000043522 (M HC)	Liquid 1,0 l
Code 00000058773 (M HC S)	Liquid 150 ml
Code 00000044869 (M SC)	Liquid 150 ml
Code 00000043417 (M SC)	Liquid 1,0 l
Code 00000045540 (M HC)	Powder 300 g, Liquid 150 g, transparent resin
Code 00000054807 (M HC)	Powder 300 g
Code 00000043379 (M HC)	Powder 300 g, Liquid 150 g, pink veined resin
Code 00000054806 (M HC)	Powder 300 g
Code 00000045532 (M HC)	Powder 300 g, Liquid 150 g, transparent pink veined resin
Code 00000043520 (M HC)	Powder 300 g, transparent pink veined resin
Code 00000045531 (M HC)	Powder 300 g, Liquid 150 g, opaque pink veined resin
Code 00000043377 (M SC)	Powder 160 g, Liquid 100 g, varnish 50 g, translucent pink veined resin
Code 00000043523 (M SC)	Powder 300 g, translucent pink veined resin
Code 00000043526 (E HC)	Liquid 150 ml
Code 00000043527 (E HC)	Liquid 1,0 l
Code 00000061602 (E HC S)	Liquid 150 ml
Code 00000043529 (E SC)	Liquid 150 ml
Code 00000043530 (E SC)	Liquid 1,0 l
Code 00000046676 (E HC)	Powder 300 g, Liquid 150 g, transparent resin
Code 00000043525 (E HC)	Powder 300 g, transparent resin
Code 00000046675 (E HC)	Powder 300 g, Liquid 150 g, transparent pink resin
Code 00000046221 (E HC)	Powder 300 g, Liquid 150 g, translucent pink resin
Code 00000054076 (E HC)	Powder 300 g
Code 00000043381 (E HC)	Powder 300 g, Liquid 150 g, opaque pink resin
Code 00000055024 (E HC)	Powder 300 g
Code 00000043378 (E SC)	Powder 160 g, Liquid 100 g, varnish 50 g, translucent pink veined resin
Code 00000043528 (E SC)	Powder 300 g, translucent pink veined resin
Code 00000060786 (E SC Soft)	Powder 100 g, Liquid 100 ml, Varnish 10 ml

Available as set and as separate items.

ANALOGUES FOR USE  
 Ftorax, Stoma, Ukraine  
 Protacryl, Stoma, Ukraine  
 Vertex Rapid Simplified, Vertex, Netherlands  
 Vertex Self-curing, Vertex, Netherlands

CAST POLYMER MATERIAL

**BELACRYL®-M Self-Curing SP**



**PACKAGING**

Code 0000006762 Powder-500 g, Liquid-300 ml  
Code 0000006764 Powder-150 g, Liquid-75 ml

**ANALOGUES FOR USE**

Villacryl SP, Zhermapol, Poland Vertex Castapress, Vertex Dental, the Netherlands

**APPLICATION**

Manufacture and repair of acrylic parts of clasp prostheses; manufacture (casting) and repair of removable dentures.

**FEATURES**

Belacryl-M SC SP has two components: a powder, which contains polyesters of methacrylic acid and a polymerization reaction catalyst benzoyl peroxide, and a liquid, which contains methyl methacrylate monomer. When mixed together, they form a polymer material.

Belacryl-M SC SP is distinguished by its high manufacturability, simplicity and high production rates. The products made of it have a high quality, functional durability, original appearance and biocompatibility.

The plastic made from Belacryl-M SC SP has a smooth, hard, shiny, pink surface characterized by good polishability, colour stability and no pores. The plastic is non-toxic, biologically inert to oral tissues, has low water absorption and water solubility.

POLYMER MATERIAL FOR TEMPORARY CROWN MANUFACTURE

**BELACRYL®-M/E Self-Curing VK**



**PACKAGING**

Code 00000067683 (M SC TC) Powder (A1,A3,A4) - 20 g x 3, Liquid - 40 ml  
Code 00000067686 (E SC TC) Powder (A1,A3,A4) - 20 g x 3, Liquid - 40 ml

**ANALOGUES FOR USE**

Acrodent, Stoma, Ukraine Villacryl STC, Zhermapol, Poland

**APPLICATION**

Manufacture of temporary crowns, repair of crowns and bridges veneered with acrylic resins; veneering of crowns and bridges.

**FEATURES**

Belacryl-M/E SC VK has two components: a powder, which contains polyesters of methacrylic acid, a polymerization reaction catalyst benzoyl peroxide and pigments, and a liquid, which contains monomer methyl methacrylate (M) or ethyl methacrylate (E). When mixed together, they form a polymer of one of the VITA shades.

The material can be colored according to the VITA shades.

POLYMER MATERIAL FOR TEMPORARY CROWN MANUFACTURE

**BELACRYL®-E Self-Curing TEMPO**



**PACKAGING**

Code 0000006788 Powder - 100 g, Liquid - 100 g

**ANALOGUES FOR USE**

Tempron, GC Corporation, Japan

**APPLICATION**

Manufacture of temporary crowns, repair of crowns and bridges veneered with acrylic resins; veneering of crowns and bridges.

**FEATURES**

Belacryl-E SC Tempo has two components: a powder, which contains polyesters of methacrylic acid, a catalyst for the polymerization reaction, benzoyl peroxide and pigments, and a liquid, which contains butyl methacrylate monomer. When mixed together, these components form an ivory-colored polymer.

The material may have an ivory shade.



## BELACRYL-M/E Hot Curing S

### POLYMER MATERIAL FOR THE MANUFACTURE OF CROWNS AND VENINGS OF FIXED PROSTHESES

#### APPLICATION

Fabrication of crowns and bridges, repair of crowns and bridges, coating with acrylic resin, coating of dentures (stampedbrazed and cast ones).



#### FEATURES

Belacryl-M/E HC S has two components: a powder, which contains polyesters of methacrylic acid and pigments, and a liquid, which contains a monomer of methyl methacrylate (M) or ethyl methacrylate (E) and a crosslinking agent. When mixed together, the components form a polymer that cures when heated.

Belacryl-M/E HC S is distinguished by its high manufacturability, simplicity and high production rates. The products made of it have a high quality, functional durability, original appearance and biocompatibility.

The plastic made from Belacryl-M/E HC S has a smooth, hard, shiny, pink surface characterized by good polishability, high color stability and no pores.

The plastic is non-toxic, biologically inert to oral tissues, has low water absorption and water solubility.

The material can be colored according to **the manufacturer's shades**.

#### PACKAGING

Code 00000067681 (M SC C)	Powder-dentine (№10, №12, №14, №16, №19) - 40 g x 5, (№6, №20, №24) - 20 g x 3 Powder-enamel (№1, №2) - 20 g x 2, Powder-concentrate (white, yellow, brown, gray) - 10 g x 4, Liquid - 150 g Liquid - 150 ml
Code 00000058773 (M SC C)	Liquid - 150 ml
Code 00000067682 (E SC C)	Powder-dentine (№10, №12, №14, №16, №19) - 40 g x 5, (№6, №20, №24) - 20 g x 3 Powder-enamel (№1, №2) - 20 g x 2, Powder-concentrate (white, yellow, brown, gray) - 10 g x 4, Liquid - 150 g Liquid - 150 g
Code 00000066238 (E SC C)	Liquid - 150 g

*Выпускается набором и отдельно.*

ANALOGUES FOR USE  
Sinma-M, Stoma, Ukraine

## BELACRYL-M/E Hot Curing TEMPO

### POLYMER MATERIAL FOR THE MANUFACTURE OF CROWNS AND VENINGS OF FIXED PROSTHESES

#### APPLICATION

Fabrication of crowns and bridges, repair of crowns and bridges, coating with acrylic resin, coating of dentures (stampedbrazed and cast ones).

#### FEATURES

Belacryl-M/E HC Tempo has two components: a powder, which contains polyesters of methacrylic acid and pigments, and a liquid, which contains a monomer of methyl methacrylate (M) or ethyl methacrylate (E) and a crosslinking agent. When mixed together, the components form a polymer that cures when heated.

Belacryl-M/E HC Tempo is distinguished by its high manufacturability, simplicity and high production rates. The products made of it have a high quality, functional durability, original appearance and biocompatibility.

The plastic made from Belacryl-M/E HC Tempo has a smooth, hard, shiny, pink surface characterized by good polishability, colour stability and no pores.

The plastic is non-toxic, biologically inert to oral tissues, has low water absorption and water solubility.

The material can be colored according to the **VITA shades**.



#### PACKAGING

Code 00000067677 (M HC Tempo)	Powder (A2) - 80 g, Liquid - 40 ml
Code 00000068956 (M HC Tempo)	Powder (A3) - 80 g, Liquid - 40 ml
Code 00000067679 (E HC Tempo)	Powder (A2) - 80 g, Liquid - 40 ml
Code 00000067680 (E HC Tempo)	Powder (A3) - 80 g, Liquid - 40 ml
Code 00000060788 (E SC Tempo)	Powder (A3) - 100 g, Liquid - 100 g

ANALOGUES FOR USE  
Sinma-M+V, Stoma, Ukraine; Villacryl STC Hot,  
Zhermapol, Poland

POLYMER MATERIAL FOR MANUFACTURE OF  
ORTHODONTIC APPLIANCES

**BELACRYL-M Self-Curing R**



**APPLICATION**

Orthopedic constructions (colorless or dyed). The product is also used to repair and relin removable dentures using the **molding technique**.

**FEATURES**

Belacryl-M SC R has two components: a powder, which contains polyesters of methacrylic acid and a catalyst for the polymerization reaction, benzoyl peroxide, and a liquid, which contains methyl methacrylate monomer. When mixed together, they form a polymer material. If necessary, the polymer can be colored in blue, red or yellow using blue, red and yellow dyes.

Belacryl-M SCR is distinguished by high manufacturability, simplicity and speed of manufacturing products with high quality, functional durability, natural appearance and biocompatibility.

Resin made from Belacryl-M SC R has a smooth, hard, shiny surface, either unpainted or blue, red, or yellow. The material has good polishability, high color stability and no pores.

The resin is non-toxic, biologically inert to oral tissues, has low water absorption and water solubility.

**PACKAGING**

Code 00000056070

Powder 150 g, Liquid 100 g, Concentrate (blue, red, yellow) - 15 g x 3 pc

**ANALOGUES FOR USE**

Redont-color, Stoma, Ukraine  
Villacryl Ortho MIX, Zhermapol, Poland

POLYMER MATERIAL FOR MANUFACTURE OF  
ORTHODONTIC APPLIANCES

**BELACRYL-M Self-Curing ORTHO**



**APPLICATION**

Manufacture and repair of orthodontic appliances and structures **by pouring** the powder on a plaster model.

**FEATURES**

Belacryl-M SC Ortho has two components: a powder, which contains polyesters of methacrylic acid and a catalyst for the polymerization reaction, benzoyl peroxide, and a liquid, which contains methyl methacrylate monomer. When mixed together, they form a polymer material. If necessary, the polymer can be colored in blue, red or yellow using blue, red and yellow dyes.

Belacryl-M SC Ortho is distinguished by high manufacturability, simplicity and speed of manufacturing products with high quality, functional durability, natural appearance and biocompatibility.

Resin made from Belacryl-M SC Ortho has a smooth, hard, shiny surface, either unpainted or blue, red, or yellow. The material has good polishability, high color stability and no pores. The resin is non-toxic, biologically inert to oral tissues, has low water absorption and water solubility.

**PACKAGING**

Code 00000055223

Powder 500 g, Liquid 250 ml, Concentrate (blue, red, yellow) - 12 ml x 3 pc

**ANALOGUES FOR USE**

Villacryl Ortho, Zhermapol, Poland

## BELACRYL-E Self-Curing SOFT

### POLYMER MATERIAL FOR SOFT LININGS

#### APPLICATION

Fabrication of soft linings in acrylic prostheses.

#### FEATURES

Belacryl-E SC Soft has two components: a powder, which contains polyesters of methacrylic acid and a polymerization reaction catalyst benzoyl peroxide, and a liquid, which contains methyl methacrylate monomer. When mixed together, they form an elastic polymer material.

Belacryl-E SC Soft is distinguished by its high manufacturability, simplicity and high production rates. The products made of it have a high quality, functional durability, original appearance and biocompatibility.

The plastic made from Belacryl-E SC Soft has a smooth and elastic pink surface. It has a colour stability and no pores. The plastic is non-toxic, biologically inert to oral tissues, has low water absorption and water solubility.



#### PACKAGING

Code 0000060786

Powder 100 g, Liquid 100 ml, Varnish 10 ml

ANALOGUES FOR USE  
Villacryl Soft, Zhermapol, Poland

## BELACRYL-E Self-Curing HARD

### POLYMER MATERIAL FOR SOLID LININGS

#### APPLICATION

Fabrication of solid linings in acrylic prostheses.

#### FEATURES

Belacryl-E SC Hard has two components: a powder, which contains polyesters of methacrylic acid and a polymerization reaction catalyst benzoyl peroxide, and a liquid, which contains butyl methacrylate monomer. When mixed together, they form a polymer material.

Belacryl-E SC Hard is distinguished by its high manufacturability, simplicity and high production rates. The products made of it have a high quality, functional durability, original appearance and biocompatibility.

The plastic made from Belacryl-E SC Hard has a smooth and hard pink surface. It has a colour stability and no pores. The plastic is non-toxic, biologically inert to oral tissues, has low water absorption and water solubility.



#### PACKAGING

Code 0000066164

Powder - 100 g, Liquid - 100 g, Primer - 30 ml

ANALOGUES FOR USE  
Villacryl Hard, Zhermapol, Poland

UNIVERSAL OPAQUE COLORANT

**BELACRYL-E Hot Curing COLOR**



**APPLICATION**

The liquid is used to color resin facets on metal constructions of non-removable dentures, base resins; tone and color resin crowns, and simulate tooth enamel cosmetic defects.

**FEATURES**

Belacryl-E HC Color has two components: a powder, which contains polyesters of methacrylic acid, fillers and pigments, and a liquid, which contains triethylene glycol dimethacrylic ether.

Both components are mixed, applied to the prepared metal surface and heated.

The colorant cured on a metal surface renders it translucent through the veneer resin due to its opacity. The colorant coating can be pink or have another VITA shade. It provides a high degree of adhesion to metal and facing resin.

**PACKAGING**

Code 00000056069      Liquid 16 g, Powder (pink) 3 g, A,B,C,D (VITA shades) – 6 g x 3 pcs  
Code 00000055387      Liquid 25 g

ANALOGUES FOR USE  
Conalor, Spofa Dental, Czech Republic

AUXILIARY LIQUID

**BELACRYL-M**



**APPLICATION**

The product is used to degrease artificial teeth and frameworks of fixed prostheses.

**FEATURES**

Belacryl-M Liquid is available as separate components only. It contains methyl methacrylate monomer, which is a transparent colorless liquid with a specific odor.

**PACKAGING**

Code 00000044903      Liquid 150 ml  
Code 00000046949      Liquid 1 l

ANALOGUES FOR USE  
Monomer AKR-7, Stoma, Ukraine

THERMOPLASTIC BASE MATERIAL

**BELFLEX**



**APPLICATION**

Manufacturing of full and partial bases of removable dentures.

**FEATURES**

Belflex denture base material contains polyamide and is available in the form of granules or cylindrical bars, which can be colorless or pink (with or without veins). The product has good polishability and low water absorption. It is poorly soluble in water and very dense.

Prostheses made from Belflex, even when used repeatedly for quite a long period of time, do not have a noticeable plaque on their surface, which otherwise requires regular cleaning.

The resin made of Belflex is non-toxic and is biologically inert to dental tissues.

**PACKAGING**

Code 00000043534      Granules - 100 g  
Code 00000043533      Granules - 1 kg

ANALOGUES FOR USE  
Evidsun Dent, Evident plus, Russia;  
Flexite Supreme, Flexite, USA

## NOLATEK

## LIGHT-CURED COMPOSITE POLYMER MATERIAL



## SET N°1 (STARTER)

- **manufacture of** removable denture frames;
- relining and repair of orthodontic and orthopedic structures;
- determination of the constructive overbite.



## SET N°6

Light-cured liquid **color correctors** designed to give specific individual characteristics to orthopedic and orthodontic systems.



## SET N°2, N°3

**Coating** of saddle-shaped parts of metal structures and frames of removable dental orthopedic structures of clasps and implants.



## SET N°7

Light-cured flowable **gingival mass** for a natural-looking prostheses.



## SET N°4

Individual design of orthopedic systems 3D printed or made in CAD/CAM systems, acrylic prostheses, and fixed denture frames using the method of layer-by-layer application.



## SET N°8

**Fabrication and repair of** orthodontic systems.



## SET N°5

**Direct relining** of acrylic removable dentures and Nolatek dentures 3D printed or made in a CAD/CAM system.

## LIGHT-CURED COMPOSITE POLYMER MATERIAL

## NOLATEK

## APPLICATION

- manufacture of frames for complete, partially removable, or clasp dentures, their relining and repair (including the express method);
- manufacture and repair of orthodontic/orthopedic appliances and systems (temporary crowns, bridges, mouth guards, chin slings, individual impression trays, customized orthopedic systems);
- coating of saddle-shaped parts of metal structures and frames of removable dental orthopedic structures of clasps and implants.
- individual design of orthopedic systems 3D printed or made in CAD/CAM systems, acrylic prostheses, and fixed denture frames using the method of layer-by-layer application.

The product is used in orthopedic and orthodontic dentistry.

## FEATURES

Light-curable polymer composite material Nolatek contains a urethane dimethacrylate matrix filled with modified silicon dioxide to impart the necessary fluidity (consistency), and fine methacrylic pre-polymer granules. It reduces polymerization shrinkage compared to that in the conventional monomer polymerization.

As for its chemical properties, Nolatek polymer composite material has some similar features of dental restoration composites and acrylic plastics. The product is a homogeneous plastic material of various (**high-, medium- and lowviscosity**) **consistency and color range**. It is used for detailed color reproduction of orthodontic and orthopedic systems at the manufacture stages (layer-by-layer lining of bridges in order to reproduce the gum color, individual design of crowns, etc.).

Nolatek polymer composite material is available as a standalone product and in sets.



## NOLATEK N° 1 (STARTER)

## APPLICATION

**Fabrication of bases** of plate removable dental prostheses by pressing, rebasing, mending, repair of orthodontic and orthopaedic constructions, determination of constructive bite.

- **modeling polymer mass:** pink with veins (DB), pink (DB1), transparent (DB0) to design prosthesis arches;
- **liquid polymer light pink mass** (BL1) to design the gingival margin and papillae;
- **liquid polymer transparent mass** (BL0) to design the top layer;
- **adhesive primer** to ensure perfect adhesion between the polymer composite material and the denture arch made of PMMA, BioHPP, PEEK/PEKK/PEK and materials made from them;
- **AeroBarrier** is an air sealant that prevents the formation of an oxygen-inhibited layer at the final stage of polymerization.

## PACKAGING

Code 00000048762

Modeling mass: pink with veins (DB) - 30 g, pink (DB1) - 30 g, transparent (DB0)  
Liquid mass: light pink (BL1) - 5 g, transparent (BL0) - 5 g  
Primer adhesive - 5 ml; aerobarrier - 10 ml

*The product is available as a set and as separate items.*

# NOLATEK № 2, № 3

## APPLICATION

**Layer-by-layer coating** of saddle-shaped parts of metal structures and frames of removable dental orthopedic systems including clasps and implants.

- **modeling polymer mass** of various gingival shades: transparent pink (D1), pink (D2), light pink (D3), pale pink (D4), cool pink (D5) to design gingival margins;
- **opaque polymer mass:** pink (DO1), coral red (DO2) to mask the color of the denture surface;
- **liquid polymer light pink mass** (BL1) to design the gingival margin and papillae;
- **liquid transparent polymer mass** (BL0) to form the top layer (it must be applied to the entire surface);
- **adhesive primer** to ensure perfect adhesion between the coating polymer composite material and the denture frame made of PMMA, BioHPP, PEEK/PEKK/PEK and materials made from them;
- **Primer-M** is used to ensure perfect adhesion between the coating polymer composite material and the clasp arch (made from non-precious metals);
- **modeling liquid** is used to wet contouring tools and artistic brushes in order to facilitate work with polymer materials. It is also used as a diluent for polymer masses;
- **AeroBarrier** is an air sealant that prevents the formation of an oxygen-inhibited layer at the final stage of polymerization.



## PACKAGING

**Set №2** Code 00000062202

Modeling mass:	
transparent pink (D1)	30 g
pink (D2)	30 g
light pink (D3)	30 g
pale pink (D4)	30 g
cool pink (D5)	30 g
Liquid mass:	
light pink (BL1)	5 g
transparent (BL0)	5 g
Opaque mass:	
pink (DO1)	1.8 g
coral red (DO2)	1.8 g
Adhesive primer	5 ml
Primer-M	5 ml
Modeling liquid	5 ml
AeroBarrier	10 ml

*The product is available as a set and as separate items.*

## PACKAGING

**Set №3** Code 00000065324

Modeling mass:	
transparent pink (D1)	4 g
pink (D2)	4 g
light pink (D3)	4 g
pale pink (D4)	4 g
cool pink (D5)	4 g
Liquid mass:	
light pink (BL1)	5 g
transparent (BL0)	5 g
Opaque mass:	
pink (DO1)	1.8 g
coral red (DO2)	1.8 g
Adhesive primer	5 ml
Primer-M	5 ml
Modeling liquid	5 ml
AeroBarrier	10 ml

*The product is available as a set and as separate items.*



**PACKAGING**

Code 00000064875

Modeling mass		
pink (D2)	4 g x 2	
light pink (D3)	4 g	
Liquid gingival mass:		
Light pink (L1)	1.5 g	
pink (L2)	1.5 g	
Color correctors:		
transparent	1.5 g	
red	1.5 g	
purple	1.5 g	
white	1.5 g	
Opaque mass:		
coral red (DO2)	1.8 g	
Adhesive primer	5 ml	
Modeling liquid	5 ml	
AeroBarrier	10 ml	

*The product is available as a set and as separate items.*

**NOLATEK N°4**

**APPLICATION**

**Individual design** of orthopedic systems 3D printed or made in CAD/CAM systems, acrylic prostheses, and fixed denture frames using the method of layer-by-layer application.

- **opaque coral red polymer mass (DO2)** is designed to mask the color of the denture frame surface;
- **modeling polymer mass** (pink (D2) or light pink (D3)) is used to design gingival margins;
- **liquid polymer gingival mass** (pink (L2) or light pink (L1)) is used to design the gum contouring;
- **liquid color correctors** (red, purple, white, and transparent) are used to give individual features and natural color to gingival margins;
- **adhesive primer** is used to ensure perfect adhesion between the coating polymer composite material and the denture frame made of PMMA, BioHPP, PEEK/PEKK/PEK and materials made from them;
- **modeling liquid** is used to wet contouring tools and artistic brushes in order to facilitate work with polymer materials. It is also used as a diluent for polymer masses;
- **AeroBarrier** is an air sealant that prevents the formation of an oxygen-inhibited layer at the final stage of polymerization.



**PACKAGING**

Code 00000064944

Polymer mass		
pink (D2P)	30 g x 5	
Adhesive primer	5 ml	
Modeling liquid	5 ml	
AeroBarrier	10 ml	

*The product is available as a set and as separate items.*

**NOLATEK N°5**

**APPLICATION**

**Direct relining** of acrylic removable dentures, Nolatek dentures, and dentures that are 3D printed or made using CAD/CAM modeling technology.

- **pink modeling polymer mass (D2P)** is used to relin denture frames;
- **adhesive primer** is used to ensure perfect adhesion between the coating polymer composite material and the denture frame made of PMMA, BioHPP, PEEK/PEKK/PEK and materials made from them;
- **modeling liquid** is used to wet contouring tools and artistic brushes in order to facilitate work with polymer materials. It is also used as a diluent for polymer masses;
- **AeroBarrier** is an air sealant that prevents the formation of an oxygen-inhibited layer at the final stage of polymerization.



## NOLATEK №6

### APPLICATION

Light-curable liquid color correctors of various colors are used to impart specific individual features (express the color of blood vessels and other inclusions) to the gingival margins, and to modify restorations made of composite materials (crowns, veneers, and dentures). They are effective even when applied in a very thin layer. Color correctors are used as internal pigments to color denture arches made of PMMA, BioHPP, PEEK/PEKK/PEK and other composite materials.

#### Main colors:

- **white** – to increase the opacity of other colors and give a natural shade to ischemic papillae and exostoses;
- **black** – to give a slight shade to the main colors (if it is necessary to darken a saturated color, add some black dye to the base color);
- **yellow** – to add various effects (when there are white or light stripes or demineralized areas, add some white or yellow dye to the dentin, either one by one or mix them beforehand);
- **blue** – to create the effect of a mental foramen and small blood vessels;
- **magenta** – to add chromaticity with pink masses to simulate blood vessels.

**Auxiliary color palette:** dark red, red (scarlet), brown-red, purple, pink, pale pink, gray, khaki, wood brown, sienna, and transparent.



### PACKAGING

Code 00000068940

Color correctors:

1.	white	1.5 g
2.	black	1.5 g
3.	blue	1.5 g
4.	yellow	1.5 g
5.	magenta	1.5 g
6.	purple	1.5 g
7.	pale pink	1.5 g
8.	pink	1.5 g
9.	sienna	1.5 g
10.	grey	1.5 g
11.	reddish-brown	1.5 g
12.	crimson red	1.5 g
13.	red (scarlet)	1.5 g
14.	wood brown	1.5 g
15.	khaki	1.5 g
16.	transparent	5 g

*The product is available as a set and as separate item*

## NOLATEK № 7

### APPLICATION

Liquid polymer **gingival mass** of various colors is used to create complex visual effects (contouring the gingival margins).

- **beige (L)** – to design the tooth root;
- **light pink (L1)** – to design the gingival margin area;
- **pink (L2)** – to shade alveoli;
- **purple (L3)** – to achieve the effect of color depth (applied in the gingival margin area at the mucobuccal fold);
- **pale pink (L4)** – to soften the transition between layers;
- **red (L5)** – to highlight the gingival areas with good blood supply;
- **transparent (L0)** – to form the top layer (it must be applied to the entire surface);
- **modeling liquid** is used to wet contouring tools and artistic brushes in order to facilitate work with polymer materials. It is also used as a diluent for polymer masses.



### PACKAGING

Code 00000068941

Liquid gingival mass

Beige (L)	5 g
Light pink (L1)	5 g
pink (L2)	5 g
Purple (L3)	5 g
Pale pink (L4)	5 g
Red (L5)	5 g
Transparent (L0)	5 g

*The product is available as a set and as separate items.*

**PACKAGING**

Code 00000069654

Modeling mass:

blue (O-1)	30 g
yellow (O-2)	30 g
red (O-3)	30 g
green (O-4)	30 g
transparent (O)	30 g
Adhesive primer	5 ml
Modeling liquid	5 ml
AeroBarrier	10 ml

*The product is available as a set and as separate items.***NOLATEK №8 (ORTHO)****APPLICATION****Fabrication and repair of orthodontic systems.**

- **modeling polymer mass** of various colors: blue (O-1), yellow (O-2), red (O-3), green (O-4), transparent (O) is used to design and reline orthodontic systems;
- **adhesive primer** is used to ensure perfect adhesion between the coating polymer composite material and the denture frame made of PMMA, BioHPP, PEEK/PEKK/PEK and materials made from them;
- **modeling liquid** is used to wet contouring tools and artistic brushes in order to facilitate work with polymer materials. It is also used as a diluent for polymer masses;
- **AeroBarrier** is an air sealant that prevents the formation of an oxygen-inhibited layer at the final stage of polymerization.

**DENTAL WAX****BELOWAX****PACKAGING**

Code 00000024008

Plates (hard) - 0,5 kg

Code 00000006999

Plates (soft) - 0,5 kg

**ANALOGUES FOR USE**

Ceradent, Spofa Dental, Czech Republic  
Base wax, Stoma, Ukraine

**BASIC****APPLICATION**

The product is used to model removable denture frames, fabricate bite plates, form individual impression trays, base trays, and their parts.

**FEATURES****Base wax** is available in two forms:

- **soft;**
- **hard.**

Translucent wax plates without internal tension in a softened state are easily connected to each other without sticking to the fingers.

The product is easy to model when heated. It can be cut with sharp tools at room temperature. After being slightly heated over a flame, the surface of the wax plates becomes smooth

The wax can be easily removed with boiling water from plaster molds. It does not stain porcelain or plastic teeth and denture resin.

The product has a slight thermal linear expansion and does not irritate the tissues of the oral cavity.

## STICKY

### APPLICATION

The product is used to glue parts of metal dentures in preparation for soldering, and is also used to repair removable dentures and glue fragments of plaster models.

### FEATURES

The product has good adhesion properties, it contains natural and synthetic waxes and rosin, which provides good adhesion to metal and plastic surfaces (not less than 0.9 MPa).

Dental wax has the required strength and is easy to use. Its dropping point is  $\leq 65^{\circ}\text{C}$ , and the maximum ash content is 0.2%.

When heated, the wax spreads well and glues the denture components tightly.



### PACKAGING

Code 00000012637

Sticks - 50 g (10 pc)

ANALOGUES FOR USE  
Modeling wax, Stoma, Ukraine,

## CHECK BITES

### APPLICATION

Bite registration or determination of occlusal ratios of patient toothless jaws.

### FEATURES

Dental bites are made from a wax composition, which consists of paraffin, ceresin, natural resin and modifying additives.

The melting temperature is  $40-45^{\circ}\text{C}$ . Dental bites are easy to model when heated. The wax can be cut with sharp tools at room temperature.



### PACKAGING

Code 00000009308

Code 00000036093

Sticks -150 g (10 pc)

Horse shoe -90 g (6 pc)

ANALOGUES FOR USE  
Ceradent, Spofa Dental, Czech Republic  
Base wax, Stoma, Ukraine

## MOLDING

### APPLICATION

Design a gating and feeding system for casting metal denture parts.

### FEATURES

The product contains paraffin, ceresin, and beeswax modified with natural resins, which make it flexible and pliable at  $20-30^{\circ}\text{C}$ .

Due to its flexibility, the wax thread can be easily delivered to the model areas at any angle without heating. The thread sticks to the wax elements tightly. It does not react with molding resins during pouring and heating. Besides it melts fast and burns out without residue. After melting the wax from the mold, wax threads form molding channels.

Belowax thread is available in various types of hardness for operation at a wide temperature range:

- **ultra-soft** – yellow;
- **soft** – blue;
- **hard** – green;
- **ultra-hard** – red.

Due to their high plasticity, soft and ultra-soft threads are used for edging functionally formed edges on casts before making a plaster model.



### PACKAGING

Code 00000025918

Code 00000025919

Sticks (set) - 150g

Sticks (set) - 200g

ANALOGUES FOR USE  
Voskolite, Stoma, Ukraine,

## DENTAL WAX

## BELOWAX



## PACKAGING

Code 0000025920  
Code 0000007753  
Code 0000023939  
Code 0000021846

Sticks (red, blue, green) 55 g  
Sticks green 55 g  
Sticks red 55 g  
Sticks blue 55 g

## ANALOGUES FOR USE

Modeling wax, Stoma, Ukraine



## PACKAGING

Code 0000022287

Truncated cone, 150 g

## ANALOGUES FOR USE

Wax immersion, Stoma, Ukraine



## PACKAGING

Code 0000056071

Sticks - 4 g x 2 pc

## ANALOGUES FOR USE

Wax orthodontic, Zingardi, Italy

## MODELLING

## APPLICATION

The product is used to cast inlays, crowns, molded clasps, portioned crowns, arches and frames of clasp and bridge dentures.

## FEATURES

The product contains paraffin, ceresin, natural and synthetic resins, modifiers and colorants. The wax has good plastic properties (fluidity under load at 37-45°C), has low thermal shrinkage, is easily modeled with dental tools, and does not change its properties after repeated remelting. When burned out, the ash content of the model wax does not exceed 0.02%.

Different types of wax have varying fluidity:

- **red** wax has a high fluidity and is used to model the cervical parts of crowns;
- **blue** wax has a medium fluidity and is used to model the intermediate part of the fixed denture frame;
- **green** wax has a low fluidity and is used to model the supporting components of integral fixed dentures.

## DIPPING

## APPLICATION

The product is used to make wax caps with equal wall thickness using the immersion technique.

## FEATURES

Belowax dipping Wax is used to make elastic wax caps with a wall thickness of 0.35 mm at an dipping time of 1 s. The temperature of the wax after immersion is 85°C.

For best results, dip the die into the melted wax quickly and slowly remove it from the bath. After 30 seconds, the wax cap becomes strong enough and will not deform, which guarantees high casting accuracy.

## ORTHODONTIC

## APPLICATION

The product prevents irritation on the mucous membrane, which can be caused by braces.

## FEATURES

It contains biologically inert natural components (beeswax, plant resin, and oil).

Before applying the wax on the rubbing parts of the braces, hold it in your hands until it becomes soft enough. The wax has an optimal consistency and adheres strongly to the braces. The specially selected wax color and transparency make it almost invisible.

## BELOWAX L

### APPLICATION

The product is used to cast inlays, crowns, inserts, clasps, and dental crowns.

### FEATURES

Belowax L Modeling Wax contains paraffin, natural and synthetic resins, modifiers and dyes. The wax has good plastic properties (fluidity under load at 37-45°C), has low thermal shrinkage, is easily modeled with dental tools. When burned out, the ash content of Belowax L does not exceed 0.10%.



### PACKAGING

Code 000000000000

Sticks 20 g

ANALOGUES FOR USE  
Lavax, Stoma, Ukraine

## COMPELAK

### COMPENSATING VARNISH

### APPLICATION

- reduce shrinkage of cast dentures;
- create an intermediate layer on the plaster stump model form a gap under the dental cement.

### FEATURES

Compelak Varnish is a viscous liquid of golden, silver, blue or red color. After drying, the varnish forms a non shrinking and non-elastic film that adheres firmly to the plaster model. The film forms within 2 minutes.

Film thickness (1layer):

- **gold** 7-10 µm,
- **silver** 7-10 µm,
- **blue** 12-15 µm,
- **red** 12-15 µm.

### PACKAGING

Code 000000000053	Compensating varnish (red) - 15 ml
Code 00000047382	Compensating varnish (gold) - 15 ml
Code 00000047383	Compensating varnish (silver) - 15 ml
Code 00000047381	Compensating varnish (blue) - 15 ml
Code 000000000056	Separating liquid - 15 ml
Code 000000000059	Solvent - 15 ml

The product is available as separate items.



ANALOGUES FOR USE  
Die spacer, Kerr, USA

## SOFT ONE-COMPONENT VARNISH

## COMPELAK S SHTUMFLAK



## APPLICATION

The product is used to make cast dentures. It forms an intermediate layer on a plaster model of the tooth stump. It is also used to form a gap under the dental cement and to compensate for metal shrinkage.

## FEATURES

Shtumflak is an orange viscous liquid, which contains a film former that does not soak into plaster when applied to a model and forms a 20-30 µm shrinking film after drying for 3-7 minutes.

## PACKAGING

Code 0000000134 Varnish - 12 ml

ANALOGUES FOR USE  
Vorkron, Latus, Ukraine

## DENTAL SEPARATING VARNISH

## ISALGIN



## APPLICATION

The product forms a film on the surface of the plaster model and prevents the plaster from fusing with the resin.

## FEATURES

Isalgin Separating Varnish contains sodium alginate.

It is used to coat a plaster model after removing wax from the plaster surface and degreasing the plaster model (mold) by immersing it into boiling water. Pour the required amount of the separating varnish into a small vessel and evenly apply it on the warm surface of the plaster model with a brush.

## PACKAGING

Code 0000001233 / 00000018711 / 00000025923 Varnish - 125 ml / 500 ml / 1 l

ANALOGUES FOR USE  
Isodent, Spofa Dental, Czech Republic  
Divosep, Vertex, Netherlands

## PLASTER ISOLATING MATERIAL

## ISOSPRAY



## APPLICATION

Isolate plaster by making detachable casts in a dental laboratory.

## FEATURES

IsoSpray penetrates a plaster surface without forming a film and seals pores. After drying, the plaster surface becomes water-repellent.

## PACKAGING

Code 00000000000 Varnish-spray - 500 ml

## BELECT

### POWDER FOR GRINDING AND POLISHING DENTAL METAL PRODUCTS

#### APPLICATION

- remove casting investment materials;
- pre-treat frames before heating;
- remove excess ceramic mass;
- treat surfaces made of cobalt-chromium alloys.

#### FEATURES

Belect is a white electrocorundum powder with a high content of aluminum oxide (99.5%). The material is inferior in hardness only to diamond and is the safest known electrocorundum material.

Grain size distribution	Grain size
90-75 µm	Grain size №6
106-90 µm	Grain size №8
125-106 µm	Grain size №10
150-125 µm	Grain size №12
300-250 µm	Grain size №25
355-300 µm	Grain size №32
40-50 µm	Grain size №50

#### PACKAGING

Code 00000001892	Powder Belect N6 - 5kg;	Code 00000000136	Powder Belect N25 - 5 kg;
Code 00000002113	Powder Belect N8 - 5kg;	Code 00000000137	Powder Belect N32 - 5 kg;
Code 00000001289	Powder Belect N10 - 5 kg;	Code 00000003812	Powder Belect N50 - 5 kg;
Code 00000001840	Powder Belect N12 - 5 kg;		



#### PURPOSE

- remove of investment materials, pre-treat denture frames and create mechanical retention surfaces before heating;
- remove investment materials and oxide film from alloys with a low content of precious metals, pre-treat denture frames and create mechanical retention surfaces before heating;
- remove investment materials, pre-treat denture frames before heating, remove excess ceramic material from porcelain fused metal crowns;
- remove investment materials, treat surfaces made of precious and non-precious alloys, pre-treat denture frames before heating;
- remove investment material, treat cobalt-chromium surfaces, pre-treat denture frames made from nonprecious alloys before heating;
- remove investment materials and excess ceramics from metal ceramic crowns, remove oxide film from denture frames made from precious alloys, pre-treat ceramic surfaces before heating.

## POLISSET

### FOR POLISHING DENTAL MATERIALS

## PASTE

#### APPLICATION

**Paste №1** is used to mirror polish stainless steel, copper, nickel, and cobalt-chromium alloys;

**Paste №2** is used to mirror polish resin items;

**Paste №3** is used to mirror polish ceramic and resin surfaces;

**Paste №4** is used to polish dental products made of resin.

#### FEATURES

Poliset Paste contains various abrasives, surfactants and binders.

Poliset №4 is a water-soluble paste. It contains various abrasives, which polish resin items without scratching their surfaces.



#### PACKAGING

Code 00000034836	Paste № 1 - 100 g
Code 00000034837	Paste № 2 - 100 g
Code 00000034838	Paste № 3 - 100 g
Code 00000001632	Paste № 4 - 400 g

ANALOGUES FOR USE  
Tigerbrillant polishing paste, Dentaaurum, Germany  
Saphir, Renfert, Germany

## POLISHING POWDER

#### APPLICATION

The product is used to polish resin materials.

#### FEATURES

Polysset Powder contains a few abrasive components of different nature and hardness.



#### PACKAGING

Code 00000012037	Powder 2 kg
Code 00000001303	Powder 4 kg

ANALOGUES FOR USE  
Cincerely, Dentaaurum, Germany  
Shuel-Dental, Spofa Dental, Czech Republic

## MOLDING MATERIAL

## BELOFORM



## APPLICATION

Fabrication high-precision casting molds for casting fixed dentures and other dental parts made from refractory alloys and other alloys that contain precious metals.

## FEATURES

Beloform is a multi-purpose dental cast material. It contains phosphates, polydisperse quartz, cristobalites, refractory binders, and colloidal liquid with modifying and stabilizing additives.

## FEATURES

- treatment time of moulding mass (at 21-23°C): 5 minutes;
- fluidity: 120 mm;
- cure time: 7-10 minutes;
- compressive strength (in 2 hours):  $\geq 4.0$  MPa;
- relative expansion after curing: 1.2%;
- thermal expansion at 900°C: 1.3%;
- total expansion: 2.5%.

Beloform Liquid Concentrate is used to provide for the maximum expansion of the investment material. The total expansion can be changed by diluting the liquid with distilled water, i.e. compensate for shrinkage of any cast alloy (you need to know the alloy expansion and composition). The more liquid is diluted with distilled water, the less the resulting expansion will be. Mix the powder with distilled water to get the minimum possible expansion.

## PACKAGING

Code 00000026099 Powder - 160 g x 12 pc; Liquid 400 ml  
Code 00000005098 Powder - 160 g; Liquid- 38 ml

Available as standalone items:

Code 00000005015 / 00000004868 Powder - 160 g x 32 / 25 kg  
Code 00000005022 / 00000004599 Liquid - 1 l / 5 l

ANALOGUES FOR USE  
Brevest, Bredent, Germany  
Deguvest, Degussa, Germany  
Polivest, Polident, Slovenia.



# BELOLIT

## VARNISH FOR CASTING

Available in two types:

- **Belolit** (for casting)
- **Belolit-S** (separating varnish)

### APPLICATION

Coat wax models prior to applying a top coat in steel and cobalt-chromium alloy castings using silicate molding masses.

**Belolit-S** is used for applying a plaster model to the surface to prevent plaster from splicing with thermoplastic material (polycarbonate, nylon, acrylic, polypropylene), which facilitates the separation of plaster from the denture and significantly reduces cleaning and polishing time.



### FEATURES

**Belolit** Modeling Varnish provides accurate reproduction of the model and its easy separation from the lining layer during casting. The varnish is a transparent highly volatile liquid that, when volatilized, forms a uniform layer on the wax model, which ensures smooth application of the silicate molding material.

**Belolit-S** Separating Varnish is contains silicone.

The varnish is used in the manufacture of dental prostheses using injection molding technology in dental laboratories. The insulating layer of the varnish retains its properties at high temperatures.

A small amount of sediment does not affect the quality of the dental material.

### PACKAGING

Code 00000009396  
Code 00000026098

Varnish (S) - 125 ml  
Varnish-spray - 500 ml

ANALOGUES FOR USE  
Picosilk, Renfert, Germany

WHITENING LIQUID FOR STAINLESS  
STEEL SURFACES

OTBEL



APPLICATION AND FEATURES

The product is used to remove the oxide film, which forms on the heat-treated stainless steel surfaces.

Otbel Liquid is a solution, which contains a mixture of dilute hydrochloric and nitric acids.

PACKAGING

Code 0000001316 / 00000033451 / 00000004631      Liquid - 125 ml / 0,9 l / 3,0 l

SET OF MATERIALS  
FOR METAL-CERAMIC PROSTHETICS

ULTRAPALINE



APPLICATION

Ultrapoline is a multi-purpose ceramic material. It is used to line ceramic frames of dental crowns and bridges. The product is manufactured by VladMiVa in cooperation with JenDental Company (Ukraine).

FEATURES

Ultrapolin metal ceramic material contains pure oxides, hydroxides or salts of certain initial components, which melt at high temperature (about 1400°C) and then ceramize, i.e. leucite crystallites and forms glass matrix in the presence of specially introduced additives (nucleation centers). Ultrapolin is a fully synthetic ceramic material. The quality of the material does not depend on the purity and formulation of the original mineral materials.

Thermal properties of Ultrapolin are similar to those of the most common metal ceramic materials. The coefficient of thermal linear expansion of Ultrapolin is  $13.2 \times 10^{-6} \text{ K}^{-1}$ . The coefficient of thermal linear expansion of Ultrapolin makes it the best choice for combining with any metals that have a coefficient of thermal expansion in the range of  $13.8$  to  $14.4 \times 10^{-6} \text{ K}^{-1}$ . Due to the extremely small size of leucite microcrystallites and their high density, Ultrapolin is very strong and has a high flexural strength.

The product is available in a wide range of colors, which comply with the European color system Vita-Lumin. Dentures made of it have optical properties and shades similar to natural teeth.

The manufacture of a metal ceramic mass is a rather complicated process (see the instructions).

PACKAGING

**Ultrapoline Complete Set; Ultrapoline 9-colored set; Ultrapoline Test Set; Ultrapoline Opaque Power Set; Ultrapolin dentin set; Ultrapolin Intensive dentin; Ultrapolin of various colors (dentin, enamel, super transparent, transparent), opalescent dentin & enamel modifying (enamel) liquid (permanent and pink), PREFORM liquid; opaque molding liquid, glazing liquid, opaque mass, opaque powder; glazing mass; glazing powder; glazing dye; transparent Opal; Intensive-dentine; opalescent modifier; Smoky Opalescent modifier (SO) (rose, yellow, blue, smoky); Opal Super Transparent (OST); opaque dentin; universal coloring, dentin and enamel coloring.**

ANALOGUES FOR USE  
VM-13, Vita, Germany

## FUSIBLE ALLOY

## DENTAL ALLOY

### APPLICATION

Fabrication of dies, models used in the production of crowns, clumpers and bugel prosthesis.

### FEATURES

The low-melting alloy contains bismuth, tin, plumbum, and other metals.

The alloy melts at 96°C. It is rather solid, but easy to model; it has good casting properties and minimal shrinkage on cooling.

### PACKAGING

Code 0000000120 Pill 60 g



## WIRE SOLDER

## SILVER WIRE SOLDER PSRMTS-37-PPSS-37

### APPLICATION

The product is used to solder denture parts made of stainless steel and cobalt-chromium alloys.

### FEATURES

PSrMTS wire is an alloy made of silver (37%), manganese, zinc, nickel, cadmium, magnesium and copper.

Its melting point is 705±10°C and melting range is 692±10°C, while breaking strength of cobalt-chromium alloy soldered joint is ≥ 350 MPa.

The set contains flux (powder), the main component of which is dehydrated borax. The flux is used to solder stainless steel bridges with silver solders.

The flux does not reacts with solder.

The material does not foam and bubble when heated.

### PACKAGING

Code 0000000115 wire (d=1mm) 40g, flux (powder) 30g  
Code 0000001261 wire (d=1mm) 20g, flux (powder) 30g



FOR INDUCTION<sup>®</sup>CASTING UNITS

## CRUCIBLES CERAMIC



### APPLICATION

Melting of metals and alloys used in orthopedic dentistry for manufacturing of casting crowns, gaps, prosthetic bridges, and other metal elements of dental prostheses in dental clinics, laboratories and workshops.

Crucibles are produced for all major types of foundry installations manufactured by both domestic manufacturers leading foreign companies.

### CRUCIBLES LIST

№	Type of casting unit	Code	size, mm (variation is not more than 1%)		
			H	B	d
1	Fornax	F-01-1	78.0	78.0	8.5
2	Fornax with cap	F-01-3	78.0	78.0	8.5
3	Fornax 35	F-01-4	77.5	77.5	8.5
4	Manfredy middle	M-02-1	69.5	69.5	8.5
5	Manfredy middle with cap	M-02-2	69.0	69.0	8.5
6	Manfredy little	M-02-3	68.0	59.0	8.5
7	Manfredy little with cap	M-02-4	68.0	59.0	8.5
8	Manfredy big	M-02-5	77.5	77.5	8.5
9	Minimax	M-03-1	70.0	70.0	13.0
10	Degutron	D-04-1	63.0	54.0	8.5
11	NH-Dent	H-06-1	66.0	60.0	8.5
12	Dukatron	D-07-1	77.5	71.5	8.5
13	Dyukatron	D-08-1	78.0	78.0	8.5
14	Degussa	D-09-1	66.0	58.5	8.5
15	Hereus with one fillet	H-10-1	73.0	73.0	8.5
16	Hereus with double fillet	H-10-2	85.5	85.5	9.5
17	Aloi	A-11-1	83.0	83.0	8.5
18	Kastomat	K-12-1	70.0	70.0	8.5
19	Ivocast	I-13-1	69.5	69.5	8.5
20	Ivocast-2	I-13-2	75.0	75.0	8.5
21	Leningradskiy little	L-14-1	80.0	80.0	8.5
22	WCHI	B-15-1	76.5	76.5	-
23	WCHI-10	B-15-2	68.0	68.0	13.0
24	Gelenko	G-16-1	67.0	48.0	8.5
25	Sparkdon	C-17-1	67.4	67.4	6.0
26	Dako	D-18-1	104.0	104.0	-
27	Kyultser	K-19-1	71.0	71.0	8.5
28	Yugin	Yu-20-1	108.0	108.0	-
29	Keep	K-21-1	41.0	67.0	9.0
30	Keep 2	K-21-2	57.5	74.5	10.0

**FEATURES**

Ceramic crucibles provide reliable operation under tough conditions of their operation in the conditions of induction heating of metal. It should be noted that the heating is uneven since the amount of melted metal in it is 10-15% of the volume of a crucible, which complicates service conditions of a crucible.

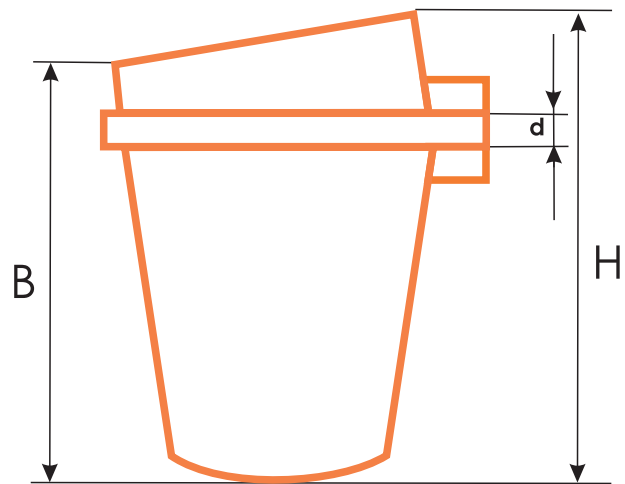
Crucibles are produced using a unique technology based on amorphous quartz nanodispersed systems, which provides high thermal resistance and corrosion resistance, as well as enhanced performance characteristics.

The content of silicon dioxide in the crucibles is not less than 99.0%.

The thermal resistance of ceramic crucibles is not less than 15 thermal cycling (when heated to a temperature of + 950 °C, followed by cooling in running water at room temperature).

In addition to crucibles, ceramic bowls (small, medium, large) are produced for the smelting of precious metals, pallets for muffle furnaces, ceramic inserts and much more.

At the request of the Customer (in the presence of a sample or a drawing) it is possible to make other configurations of crucibles for any type of casting.



**TECHNICAL CERAMIC**

No	Title	Length, mm	Width, Ø mm	Height, mm	Note
1	Girdle	180	27	16	
2	Pallet	265	125	80/35	
3	Pallet	250	175	15	
4	Pallet with grid	250	175	15	10 grids
5	Pallet	250	150	15	
6	Pallet with grid	250	150	15	8 grids
7	Pallet	233	233	40	inside height 27
8	Pallet	170	100	45	
9	Pallet with openings	170	100	40	14 отверстий Ø 5 mm on perimeter
10	Pallet	165	145	15	
11	Pallet with grid	165	145	15	7 grids
12	Pallet	115	10		
13	Pallet with stiffening plate	140	100	40	1 grid, inside height 35
14	Pedestal round		120		
15	Pedestal	70	70		
16	Glass		130	150	
17	Glass with rim		118	177	Ø of rim 125*129, height of rim 6-7
18	Glass with rim, with spout		85	145	Ø of rim 94, height of bottom landing to rim 118
19	Glass with rim		88	128	Ø of rim 94*96, height of rim 6-7
20	Form for opened spiral	250	145	17	10 cells Ø 8.5-9
21	Cup		230	102	inner: Ø 215, height 95





Fornax\* F-01-1



Fornax with cap\* F-01-3



Fornax 35\* F-01-4



Fornax D\* F-01-5



Manfredy small\* M-02-1



Manfredy medium with cap\* M-02-2



Manfredy small\* M-02-3



Manfredy small with cap\* M-02-4



Manfredy big\* M-02-5



Minimax\* M-03-1



Degutron\* D-04-1



NH-Dent\* H-06-1



Dukatron\* D-07-1



Dyukatron\* D-08-1



Degussa\* D-09-1



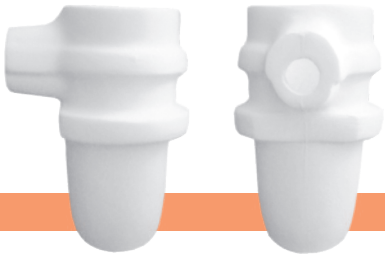
Degussa\* with cap D-09-2



Degussa\* high D-09-3



Hereus with one fillet\* H-10-1



Hereus with double fillet\* H-10-2



Aloï\* A-11-1



Kastomat\* K-12-1



Ivocast\* I-13-1



Ivocast-2\* I-13-2



Leningradskiy small\* L-14-1



WCHI\* B-15-1



WCHI-10\* B-15-2



Gelenko\* G-16-1



Sparkdon\* C-17-1



Dako\* D-18-1



Kyultser\* K-19-1



Ygin\* Yu-20-1



Keer\* K-21-1



Keer 2\* K-21-2

\* type of casting unit



# VLADMIVA



## MATERIALS

## FOR PODOLOGY, NAIL SERVICE AND COSMETOLOGY

SEE THE DESCRIPTION OF THE MATERIALS ON THE FOLLOWING PAGES:

Diamond tools.....	152	DentLight-Adhesive.....	11
Alumogel.....	59	DentLight-Flow.....	13
Alvanes Powder.....	60	Diamond tool cleaning fluid.....	153
Anhydriene.....	81	Capramin.....	61
Belabond.....	80	Colordent.....	73
Belagel set.....	70	Megasept.....	145
Belagel-0.....	70	Megadez-Spray.....	146
Belagel-0 White.....	71	Megadez (concentrate).....	148
Belagel-Ca/P.....	72	ENDOZHYN o. 1.....	37
Belast.....	99	ENDOZHYN o. 4.....	37

**PodolJest® is a series of podiatry materials**  
*(for more information see the podology booklet)*



# Materials for digital dentistry

viv  
VLADMIVA

## ADDITIVE TECHNOLOGIES. 3D PRINTING

Photopolymer materials

Nolatek 3D resins

## CAD/CAM SOFTWARE

Dental wax

Belowax (discs)

## METAL FREE ZIRCONIUM OXIDE CERAMICS

Estcer (discs)

- HT (transparent)
- ST (super-transparent)
- UT (ultra-transparent)
- 3D Pro

## LIGHT-CURED COMPOSITE MATERIAL

Nolatek (blocks)

## VMV Lab —

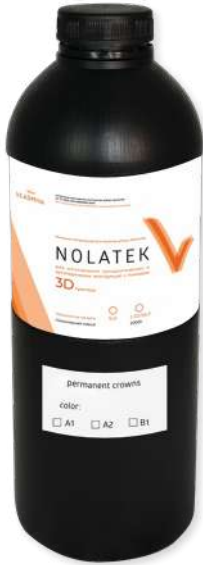
this is a full-cycle CAD/CAM center,  
which performs the entire  
range of dental work.

 [vmvlab.ru](http://vmvlab.ru)



TEMPORARY CROWNS

NOLATEK



APPLICATION

Photopolymer biocompatible material for 3D printing of temporary crowns, bridges, and demo models.

FEATURES

The key components of the photopolymer material are hexa-functional oligo-acrylate, and a filler with an organomodified surface to impart exceptional mechanical properties.

The material is highly resistant to abrasion, bending and tearing. Its high precision ensures the natural aesthetics of dental crowns. The products are suitable for surface treatment and polishing. They remain stable in the oral cavity, and have a neutral taste and smell. Nolatek materials can be added to select a required individual color.

PACKAGING

Print Type: SLA

Fluid mass:

A1	1 kg	00000072422
A2	1 kg	00000066187
A3	1 kg	00000073933
B1	1 kg	00000066188
White	1 kg	00000072423

Print Type: LCD/DLP

Fluid mass:

A1	1 kg	00000072424
A2	1 kg	00000066194
A3	1 kg	00000073543
B1	1 kg	00000066196
White	1 kg	00000072425

WORKING MODELS, SITUATION MODELS AND HIGH PRECISION MASTER MODELS

NOLATEK



APPLICATION

Photopolymer material for 3D printing of working models, situational models and master models of dentures and their components.

FEATURES

The material contains copolymers and oligomers of acrylic and methacrylic acids, and an inorganic filler.

The light-cured material has minimal shrinkage and shape stability after post-curing, which makes it the best choice to ensure minimal geometry deviations from the original models. The material has an opaque color for enhanced surface detail.

PACKAGING

Print Type: SLA

Fluid mass:

Yellow	1 kg	00000066062
Black	1 kg	00000066069
Red	1 kg	00000066063
Transparent	1 kg	00000066066
Blue	1 kg	00000066083
Orange	1 kg	00000066084
Green	1 kg	00000072450
White	1 kg	00000072451

Print Type: LCD/DLP

Fluid mass:

Yellow	1 kg	00000066082
Black	1 kg	00000000000
Red	1 kg	00000000000
Transparent	1 kg	00000000000
Blue	1 kg	00000000000
Orange	1 kg	00000000000
Green	1 kg	00000000000
White	1 kg	00000000000

## NOLATEK

### ORTHODONTIC AND DIAGNOSTIC MODELS

#### APPLICATION

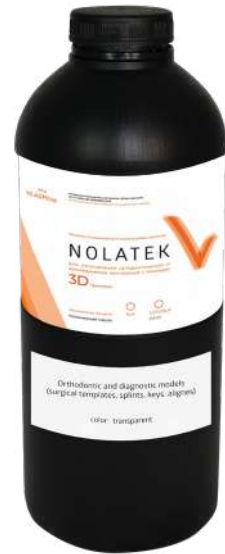
The product is used to print models used in dentistry where transparency is important: surgical templates, aligners, demo models for future operations, etc.

The product is designed for high precision and complex geometries.

#### FEATURES

The material contains oligomers of acrylic and methacrylic acids with a high glass transition temperature.

The light-cured biocompatible material has exceptional shape stability after high-temperature and gamma sterilization, and its high transparency and hardness ensure precise positioning of surgical tools. The material is inert to the tissues of the oral cavity, and has no taste or smell. The product does not contain methyl methacrylate.



#### PACKAGING

**Print Type: SLA**

Fluid mass:  
Transparent 1 kg 00000066067

**Print Type: LCD/DLP**

Fluid mass:  
Transparent 1 kg 00000066085

## NOLATEK

### COMPLETE REMOVABLE DENTURES, GUM 3D MODELS

#### APPLICATION

Photopolymer material for 3D printing of complete removable dentures and gum models.

#### FEATURES

The material contains an inorganic filler with an organomodified surface, and multifunctional meth-(acryl)-oligomers to improve the mechanical properties of the products.

The light-cured biocompatible material has a neutral taste and smell, high shape stability after post-processing, and withstands high-temperature sterilization before use. The material has high flexural strength, low shrinkage compared to standard PMMA-based denture materials, which makes it the best choice to print items identical to their original models. Products made from the material withstand high-temperature sterilization before use. The material has a low viscosity, which significantly reduces its consumption.



#### PACKAGING

**Print Type: SLA**

Fluid mass:  
Pink 1 kg 00000066070

**Print Type: LCD/DLP**

Fluid mass:  
Pink 1 kg 00000068943

CUSTOMIZED IMPRESSION<sup>®</sup>TRAYS

NOLATEK



APPLICATION

Photopolymer biocompatible material for 3D printing of customized impression trays.

FEATURES

The material contains aliphatic and aromatic copolymers, oligomers, acrylic and methacrylic acids

Light-cured biocompatible material with low viscosity for fast cleaning. It has increased torsion resistance. Printed items do not require additional machining. The product is suitable for all impression materials. It has no taste or smell. The product does not contain methyl methacrylate.

PACKAGING

Print Type: SLA

Fluid mass:

Blue	1 kg	00000066073
Black	1 kg	00000066071
Red	1 kg	00000066072
Transparent	1 kg	00000066186
Yellow	1 kg	00000066061
Orange	1 kg	00000066191
Green	1 kg	00000066192
White	1 kg	00000066189

Print Type: LCD/DLP

Fluid mass:

Blue	1 kg	00000066088
Black	1 kg	00000066086
Red	1 kg	00000066087
Transparent	1 kg	00000066060
Yellow	1 kg	00000066197
Orange	1 kg	00000066198
Green	1 kg	00000066193
White	1 kg	00000066078

FULL MOLDS

NOLATEK



APPLICATION

The photopolymer material is used to 3D print full molds used for casting metal products used in dentistry.

FEATURES

The photopolymer material contains aliphatic compounds with absolutely no mineral impurities.

The photopolymer material contains aliphatic (meth)acrylic oligomers, which reduce the ash content below 1%. The high stability of the mold after printing facilitates the removal of thinwalled products from the platform and also ensures accurate fitting. The photopolymer material is environmentally friendly.

PACKAGING

Print Type: SLA

Fluid mass:

Blue	1 kg	00000066074
Black	1 kg	00000066075
Red	1 kg	00000066076
Transparent	1 kg	00000066065
Yellow	1 kg	00000066064
Orange	1 kg	00000066080
Green	1 kg	00000066092
White	1 kg	00000066068

Print Type: LCD/DLP

Fluid mass:

Transparent	1 kg	00000066089
Black	1 kg	00000066091
Red	1 kg	00000066090
Blue	1 kg	00000072441
Yellow	1 kg	00000072442
Orange	1 kg	00000072444
Green	1 kg	00000072445
White	1 kg	00000072447

## BELOWAX® DISCS

### DENTAL WAX

#### APPLICATION

The product is used to manufacture inlays, crowns, inserts, cast clasps, semi-crowns, arches and frames of clasp and bridge prostheses by investment casting. Besides, the wax can be used to demonstrate denture models to patients.

#### FEATURES

Belowax® for CAD/CAM milling is available as paraffin and polyethylene discs.

The discs can be painted **blue** or **white**:

- white wax is recommended for **modeling metal-free restorations**;
- blue wax is recommended for **modeling metal ceramic structures**.



Dental wax of different colors does not differ in its physical and chemical properties. Belowax® discs are easy to mill on a CAD/CAM machine. The ash content of Belowax® does not exceed 0.10%.

#### PACKAGING

##### For metal-free ceramics (white)

Code 00000071709	98*12 MM	1 PC
Code 00000071865	98*14 MM	1 PC
Code 00000071839	98*16 MM	1 PC
Code 00000071710	98*18 MM	1 PC
Code 00000071692	98*20 MM	1 PC
Code 00000071693	98*22 MM	1 PC
Code 00000071694	98*25 MM	1 PC

##### For sintered-metal restorations (blue)

Code 00000072029	98*12 MM	1 PC
Code 00000072030	98*14 MM	1 PC
Code 00000072031	98*16 MM	1 PC
Code 00000072032	98*18 MM	1 PC
Code 00000072033	98*20 MM	1 PC
Code 00000072034	98*22 MM	1 PC
Code 00000072035	98*25 MM	1 PC

## NOLATEK BLOCKS

### LIGHT-CURED POLYMER COMPOSITE BLOCKS FOR CAD/CAM TECHNOLOGIES

#### APPLICATION

The product is used to prefabricate crown frames for anterior and posterior teeth; prefabricate bridge frames that consist of 3-4 components and dentures supported by inlays and implants.

#### FEATURES

Nolatek® blocks are ready-to-use light-cured polymer composite blocks used for the manufacture of dental structures using CAD/CAM technology. Prefabricated crown, inlay and bridge frames are easy to polish, plaque resistant, color stable and biocompatible.

Nolatek® blocks are available in various VITA shades (A0, A1, A2, A3, and A3.5).



#### PACKAGING

Code 00000069652	A0 (Bleach)	15,5x19,0x39,0 MM	1 pcs
Code 00000069653	A1	15,5x19,0x39,0 MM	1 pcs
Code 00000069650	A2	15,5x19,0x39,0 MM	1 pcs
Code 00000068955	A3	15,5x19,0x39,0 MM	1 pcs
Code 00000069651	A3,5	15,5x19,0x39,0 MM	1 pcs
Code 00000000000	A0 (Bleach)	15,5x19,0x20,0 MM	1 pcs
Code 00000000000	A1	15,5x19,0x20,0 MM	1 pcs
Code 00000070516	A2	15,5x19,0x20,0 MM	1 pcs
Code 00000070517	A3	15,5x19,0x20,0 MM	1 pcs
Code 00000000000	A3,5	15,5x19,0x20,0 MM	1 pcs

METAL-FREE ZIRCONIUM OXIDE CERAMICS FOR CAD/CAM TECHNOLOGIES

ESTCER



APPLICATION

The product is used to prefabricate crowns, caps, bridges, individual abutments, veneers, and frames for anterior and posterior teeth; prefabricate bridge frames that consist of 3-4 components and dentures supported by inlays and implants.

FEATURES

Estcer® is available as zirconium oxide discs stabilized with yttrium oxide.

Estcer® discs are pre-sintered and can be easily milled with a CAD/CAM machine.

APPLICATION

Disc types	Color	Caps	Dental crowns		Three-tooth bridges	Four-tooth and larger bridges	Three-tooth caps	Four-tooth and larger caps	Complete dentures
			anterior teeth	posterior teeth					
HT	White								
HT Preshaded	Pre-shaded								
HT-Plus	White								
HT-Plus Preshaded	Pre-shaded								
ST	White								
ST Preshaded	Pre-shaded								
ST Multilayer	Multilayer								
ST-Plus	White								
ST-Plus Preshaded	Pre-shaded								
ST-Plus Multilayer	Multilayer								
UT	White								
UT Preshaded	Pre-shaded								
UT Multilayer	Multilayer								
3D-PRO	Multilayer								

## PACKAGING

HT-PLUS		00-00065061	98*10MM	1 pcs
		00-00065062	98*12MM	1 pcs
		00-00065063	98*14MM	1 pcs
		00-00065064	98*16MM	1 pcs
		00-00065065	98*18MM	1 pcs
		00-00065066	98*20MM	1 pcs
		00-00065067	98*22MM	1 pcs
		00-00065068	98*25MM	1 pcs
HT PRESHADED	A1	00-00071780	98*14MM	1 pcs
		00-00071863	98*16MM	1 pcs
	A2	00-00071782	98*14MM	1 pcs
		00-00071912	98*16MM	1 pcs
	A3	00-00071785	98*14MM	1 pcs
		00-00071864	98*16MM	1 pcs
ST PRESHADED	A1	00-00065094	98*16MM	1 pcs
		00-00065095	98*18MM	1 pcs
	A2	00-00067415	98*14MM	1 pcs
		00-00065096	98*16MM	1 pcs
		00-00065097	98*18MM	1 pcs
	A3	00-00065098	98*16MM	1 pcs
		00-00065099	98*18MM	1 pcs
	A3.5	00-00065100	98*16MM	1 pcs
		00-00065101	98*18MM	1 pcs
	ST-PLUS PRESHADED	A1	00-00065088	98*14MM
00-00065089			98*16MM	1 pcs
A2		00-00065090	98*14MM	1 pcs
		00-00065091	98*16MM	1 pcs
		00-00067780	98*18MM	1 pcs
A3		00-00065092	98*14MM	1 pcs
		00-00065093	98*16MM	1 pcs
		00-00067781	98*18MM	1 pcs
ST-PLUS MULTILAYER	A1	00-00065069	98*12MM	1 pcs
		00-00065070	98*14MM	1 pcs
		00-00065071	98*16MM	1 pcs
		00-00067776	98*18MM	1 pcs
		00-00071778	98*20MM	1 pcs
	A2	00-00065072	98*12MM	1 pcs
		00-00065073	98*14MM	1 pcs
		00-00065074	98*16MM	1 pcs
		00-00067777	98*18MM	1 pcs
		00-00067778	98*20MM	1 pcs
	A3	00-00065075	98*12MM	1 pcs
		00-00065076	98*14MM	1 pcs
		00-00065077	98*16MM	1 pcs
		00-00067779	98*18MM	1 pcs
		00-00071758	98*20MM	1 pcs
	A3.5	00-00065078	98*12MM	1 pcs
		00-00065079	98*14MM	1 pcs
	BL1	00-00065080	98*16MM	1 pcs
		00-00065081	98*12MM	1 pcs
		00-00065082	98*14MM	1 pcs
		00-00065083	98*16MM	1 pcs
		00-00065084	98*18MM	1 pcs
00-00065085		98*20MM	1 pcs	
00-00065086		98*22MM	1 pcs	
00-00065087		98*25MM	1 pcs	
UT PRESHADED	A2	00-00065108	98*16MM	1 pcs
	A3	00-00065109	98*16MM	1 pcs
UT MULTILAYER	A1	00-00071866	98*14MM	1 pcs
		00-00071867	98*16MM	1 pcs
	A2	00-00071868	98*14MM	1 pcs
		00-00071869	98*16MM	1 pcs
	A3	00-00071913	98*14MM	1 pcs
		00-00071870	98*16MM	1 pcs

## PACKAGING

3D PRO MULTILAYER	A1	00-00065023	98*12MM	1 pcs
		00-00065024	98*14MM	1 pcs
		00-00065025	98*16MM	1 pcs
		00-00065026	98*18MM	1 pcs
		00-00065027	98*20MM	1 pcs
		00-00065028	98*22MM	1 pcs
	A2	00-00065029	98*25MM	1 pcs
		00-00065030	98*12MM	1 pcs
		00-00065031	98*14MM	1 pcs
		00-00065032	98*16MM	1 pcs
		00-00065033	98*18MM	1 pcs
		00-00065034	98*20MM	1 pcs
		00-00065035	98*22MM	1 pcs
	A3	00-00065036	98*25MM	1 pcs
		00-00065037	98*12MM	1 pcs
		00-00065038	98*14MM	1 pcs
		00-00065039	98*16MM	1 pcs
		00-00065040	98*18MM	1 pcs
		00-00065041	98*20MM	1 pcs
		00-00065042	98*22MM	1 pcs
	A3.5	00-00065044	98*25MM	1 pcs
		00-00065045	98*12MM	1 pcs
		00-00065047	98*14MM	1 pcs
		00-00065048	98*16MM	1 pcs
		00-00065050	98*18MM	1 pcs
		00-00065051	98*20MM	1 pcs
		00-00065052	98*22MM	1 pcs
	B1	00-00065053	98*25MM	1 pcs
		00-00065054	98*12MM	1 pcs
		00-00065055	98*14MM	1 pcs
		00-00065056	98*16MM	1 pcs
		00-00065057	98*18MM	1 pcs
		00-00065058	98*20MM	1 pcs
		00-00065059	98*22MM	1 pcs
	B2	00-00065060	98*25MM	1 pcs
		00-00071646	98*12MM	1 pcs
		00-00067772	98*14MM	1 pcs
		00-00067773	98*16MM	1 pcs
		00-00067774	98*18MM	1 pcs
	BL1	00-00067775	98*20MM	1 pcs
		00-00071647	98*12MM	1 pcs
		00-00071695	98*14MM	1 pcs
		00-00067976	98*16MM	1 pcs
	BL2	00-00067977	98*18MM	1 pcs
		00-00071763	98*14MM	1 pcs
		00-00071761	98*16MM	1 pcs
	BL3	00-00071764	98*18MM	1 pcs
		00-00071786	98*12MM	1 pcs
		00-00071765	98*14MM	1 pcs
		00-00071766	98*16MM	1 pcs
	C1	00-00071767	98*18MM	1 pcs
		00-00071645	98*12MM	1 pcs
		00-00071772	98*14MM	1 pcs
C2	00-00071773	98*16MM	1 pcs	
	00-00071644	98*12MM	1 pcs	
	00-00071774	98*14MM	1 pcs	
	00-00071775	98*16MM	1 pcs	
C3	00-00067771	98*18MM	1 pcs	
	00-00071790	98*12MM	1 pcs	
	00-00071776	98*14MM	1 pcs	
D2	00-00071777	98*16MM	1 pcs	
	00-00071788	98*12MM	1 pcs	
	00-00071768	98*14MM	1 pcs	
D3	00-00071769	98*16MM	1 pcs	
	00-00071789	98*12MM	1 pcs	
	00-00071770	98*14MM	1 pcs	
		00-00071771	98*16MM	1 pcs



# Disinfectants

VLADMIVA

## DISINFECTANT WIPES

MEGADEZ-cleaner

## HIGH LEVEL DISINFECTION

MEGADEZ-forte

## DISINFECTION OF SURFACES

MEGADEZ  
MEGADEZ-vet

## EMERGENCY DISINFECTION

MEGADEZ-spray

## DISINFECTION OF IMPRESSIONS OF SILICONES AND ALGINATE MATERIALS

MEGADEZ-ortho

## HAND SKIN TREATMENT

MEGASEPT



## SINGLE-USE DISINFECTANT WIPES

## MEGADEZ – CLEANER



## APPLICATION

## Disinfection:

- small surfaces in the premises (door, window handles, switches, telephone handsets, coffee and dining tables, head restraints, armrests, toilet shelves, bedside tables, monitors, computer keyboard, etc.);
- sanitary equipment, furnishings, medical devices and equipment (including surfaces of artificial respiration apparatuses, anesthetic, physiotherapeutic equipment, optical devices, mammographs, phonendoscopes);
- medical devices that are not in direct contact with the mucous membranes of patients (sensors of ultrasonography apparatus, tonometers, dental handpieces, adapters from a turbine hose to handpieces, micromotors to mechanical handpieces, handpieces to a scaler for removing dental deposits, lightguides of reflective lamps);
- patient care items (lining oilcloths, aprons, mattress covers made of polymer film and oilcloths); toys made of rubber and plastics, for the processing of cribs; shoes made of rubber, plastic and other synthetic materials; rubber and polypropylene rugs.

## SPHERE OF APPLICATION

- medical and preventive treatment institutions of various profiles, case of infection, sanitary transport;
- vehicles for transportation of food products, public service vehicle, railway and subway stations;
- penitentiary institutions and social security organizations;
- enterprises of municipal-domestic service (hairdressers, hotels, hostels, public toilets);
- shopping and entertainment centers;
- food and industrial markets, educational organization, culture, recreation and sports, offices, pharmaceutical and biotechnological industry enterprises in the premises of cleanliness classes C and D;
- adult population at home.

## ACTIVITY

It has antimicrobial activity against gram-negative and gram-positive bacteria (except for mycobacterium tuberculosis), viruses (Coxsackie, ECHO, poliomyelitis, enteral and parenteral hepatitis, rotaviruses, noroviruses, HIV, influenza, including type A, including A H1N1, A H5N1, adenoviruses and other pathogens of ARVI, herpes, cytomegaly), fungi of the genus Candida, dermatophytes.

## PRECAUTIONS

Use in waterproof gloves, avoid contact with eyes and skin.

## TRANSPORTATION

By all means of transport in the manufacturer's original packaging under the shipping rules act on each mean of transport and guaranteeing the safety of the material and packing materials.

## STORAGE

In the manufacturer's tightly closed packaging in a dry warehouse protected from moisture and sunlight at a temperature of from + 5°C to + 30°C, away from sources of heat and open flame, separately from medicine, food products and out of the reach of children.

## IN CASE OF EMERGENCY

In case of integrity damage of consumer packaging, scattered wipes should be collected and sent for utilization as household waste. Do not burn! Work carried out in overalls and rubber gloves.

## ENVIRONMENTAL SAFEGUARD MEASURES

Do not allow disinfectant wipes to enter into a sewer.

## PACKAGING

Expiration date: 3 years

Code 00000060214

Wipes 130x200 - 100 pc

Code 00000063011

Wipes 130x170 - 200 pc

## MEGASEPT

## HAND SKIN TREATMENT

## APPLICATION

- processing of the hands of surgeons and other persons involved in surgical interventions in medical and preventive treatment institutions (including dental institutions, maternity hospitals, etc.);
- processing of elbow bends of donors at blood transfusion stations, etc.;
- skin processing of the surgical field of patients in medical and preventive treatment institutions, etc.;
- skin processing of the injection field of patients, before injections, including before the introduction of vaccines, punctures, dissections, biopsies in medical and preventive treatment institutions, in ambulances, in emergency areas.



## Hygienic hands treatment:

- medical personnel in medical and preventive (including children's preschool and school) institutions, medical ambulance, dental care facilities, maternity hospitals, departments for newborns, intensive care and resuscitation departments, traumatology, burn centers, medical profile centers, stations blood transfusion, in emergency zones, personnel of first-aid posts, pharmacies and drugstores;
- workers of social security institutions (nursing homes, disabled people, etc.), sanatorium-resort institutions, penitentiary institutions, educational, cultural, recreational, sports institutions; laboratory workers (including bacteriological, virological, immunological, etc.);
- employees working with perfumes, cosmetics, pharmaceuticals and microbiological enterprises; food industry enterprises, public catering enterprise, industrial markets, commerce (including cashiers and other persons working with banknotes); enterprises of municipal-domestic service, educational institutions, culture, recreation, sports;
- disinfection of gloves (made of latex, neoprene, nitrile and other materials resistant to chemicals) worn by medical personnel in microbiological laboratories for bacterial (including tuberculosis), viral and fungal (candidiasis) infections, including in case of contact of gloves with infectious material when collecting medical waste; as well as employees of manufacturing sterile products enterprises.
- hygienic hands treatment by the population at home (except for children).

## DESCRIPTION

The disinfectant «MegaSept» is a ready-to-use skin antiseptic in the form of a transparent liquid, from colorless to light yellow, with a specific odorant.

## COMPOSITION

As active substances, it includes 1-propanol, 2-propanol, alkyldimethylbenzylammonium chloride and didecyldimethylammonium chloride; moisturizing and hand skin softening components, odorant, water.

## ANTIMICROBIAL ACTIVITY

It is active against gram-positive (including mycobacterium tuberculosis) and gram-negative bacteria, Candida fungi, viruses (parenteral hepatitis B and C, HIV, herpes simplex, influenza, including influenza viruses A H1N1, A H5N1 and other pathogens ARVI).

## APPLICATION®

Described in detail in Instruction for use of the material «Megasept» № 4/10, produced by JSC «EP VladMiVa», Russia.

## STORAGE AND TRANSPORTATION

Transportation by all means of land and water transport is allowed, protecting from direct sunlight and atmosphere precipitations under the shipping rules act on each mean of transport.

The material is stored in the manufacturer's original packaging in dry ventilated covered warehouses, protected from moisture and sunlight, away from heaters and open flame. Store at a temperature not exceeding +25°C.

## PACKAGING

Polymeric containers with the capacity from 50 ml to 5 l.  
3 years shelf-life guarantee

Code 00000024217	Liquid-spray	- 50 ml
Code 00000024218	Liquid-spray	- 150 ml
Code 00000024219	Liquid	- 1 l
Code 00000024220	Liquid	- 5 l

**Attention! Disinfectant is highly flammable!**

ANALOGUES FOR USE  
«Decosept plus» - «Borer Chemie», Switzerland  
«Octenisept» - «Schulke & Mayr», Germany

## EMERGENCY DISINFECTION

## MEGADEZ – SPRAY



## APPLICATION

Emergency disinfection by wiping or irrigating small areas, as well as surfaces that are difficult to process, requiring quick disinfection and drying; disinfection of furniture, equipment (including laboratory, laminar cabinets, bactericidal lamps, etc.), medical devices, machines, and adaptations to them, sanitary equipment, patient care items, sports equipment items and other objects (resistant to the action of alcohols) in case of bacterial infections (including tuberculosis), virus and fungal etiology.

## DESCRIPTION

The disinfectant «Megadez-spray» is a transparent solution of blue color with a characteristic odorant, ready-to-use by irrigation or rubbing method.

## COMPOSITION

As active substances, it contains didecyltrimethylammonium chloride, dodecylpropylene triamine, propanol-2; propanol-1, as well as functional and technological components.

## ANTIMICROBIAL ACTIVITY

The disinfectant «Megadez-spray» has bactericidal activity against gram-negative and gram-positive bacteria (including tuberculosis mycobacteria), fungicidal properties against pathogenic fungi of pathogens of candidiasis and dermatophytosis, and virucidal activity (including against pathogens of poliomyelitis, parenteral hepatitis, HIV infections).

## SPHERE OF APPLICATION

- medical and preventive treatment institutions of all profiles: hospitals, polyclinics, sanatoriums, dispensaries, rehabilitation centers, day hospitals, medical units and medical posts, feldsher's and feldsher-midwife stations, hospices, dispensaries (including anti-TB, skin-venereal, etc.), hospitals, dental surgeries, obstetric hospitals, specialized medical centers, blood transfusion and ambulance stations (including ambulance vehicles and hospital transport), clinical, diagnostic, microbiological laboratories (centers);
- in case of infection;
- enterprises of municipal-domestic service (hotels, hostels, hairdressers, beauty salons, beauty parlors, massage parlors, bathhouses, saunas, laundries, sanitary inspection rooms, public catering facilities, public toilets, including self-contained and dry closets);
- objects of educational institutions (including children's and teenagers), health-improving, culture, recreation and sports (pools, gyms, sports complexes, fitness centers, solariums, offices, theaters, cinemas, etc.);
- perfume and cosmetic industry enterprises;
- enterprises of chemical-pharmaceutical, biotechnological and food industries (except specialized technological equipment);
- social security institutions, penitentiary institutions;
- shopping facilities (including industrial and food markets, shops and other retail outlets, specialized vehicles, including those intended for the transportation of food and other products);
- objects of motor transport.

## APPLICATION

Described in detail in Instruction for use of the disinfectant «Megadez -Spray» №03/09, produced by JSC «EP VladMiVa», Russia.

## PRECAUTIONS

Working with the disinfectant is allowed by people aged 18 years and older, not suffering from allergic diseases. Use the material following the sphere of application. Do not take the material inside! Do not apply to wounds and mucous membranes. Use rubber gloves when handling the product. Avoid contact of the disinfectant with eyes and skin. Eating drinking and smoking is prohibited. Do not process varnished surfaces, acrylic glass surfaces and other materials subject to alcohol. The material is flammable! Do not irrigate heated surfaces and do not spray the material near fire and switched on appliances! Eating drinking and smoking is prohibited.

Subject to observance of consumption rate, surface processing does not require the use of personal respiratory protection. After the expiration date, the use of the material is prohibited. **First aid measures:** in case of irritation of mucous membranes of eyes and respiratory organs, take the injured person out to fresh space, provide rest, warming and warm drinking. In case of contact with skin, wash it off with water. In case of contact with eyes, rinse immediately with plenty of water under running water for 10-15 minutes, and put a few drops of 30% sodium sulfacyl solution. If the material accidentally enters a stomach, rinse the stomach with plenty of water at room temperature. Then drink a few glasses of water with addition of an adsorbent (10-15 tablets of crushed activated charcoal per glass of water). Consult a doctor if necessary.

## PACKAGING

Polymer bottle with spray 0,5 l

Polymer canisters 1.0 l and 3.0 l

3 years shelf-life guarantee from the date of manufacture in unopened package

Code 00000006342/ 00000023951	Liquid-spray	- 50 ml / 0,5l
Code 00000006966/ 00000034839	Liquid	- 1l / 3l

## ANALOGUES FOR USE

«Bacillol plus» - «Bode Chemie GmbH&Co», Germany  
«Meliseptol Rapid» - «B.Braun», Germany

# MEGADEZ – FORTE

## HIGH LEVEL DISINFECTION

### APPLICATION

- disinfection of medical devices (surgical and dental, including rotating, instruments, rigid and flexible endoscopes, instruments for them) from various materials (corrosion-resistant metals, rubber, resins, glass);
- high level disinfection (HLD) of endoscopes;
- sterilization of medical devices (surgical and dental, including rotating, instruments, rigid and flexible endoscopes, instruments for them) from various materials (corrosion-resistant metals, rubber, resins, glass).

### DESCRIPTION

Ready-to-use, transparent or slightly opalescent liquid, colorless or yellowish with a slight specific odour.

### COMPOSITION

As active substances, it contains:

- hydrogen peroxide - 6.5%,
- peracetic acid - 0.2%,
- other functional components.



### ANTIMICROBIAL ACTIVITY

It has antimicrobial activity against gram-negative and gram-positive bacteria (including *Mycobacterium tuberculosis* - tested for *Mycobacterium terrae*), viruses (Coxsackie, ECHO, poliomyelitis, enteral and parenteral hepatitis, rotaviruses, noroviruses, HIV, type A influenza, including A H1N1, A H5N1, adenoviruses and other pathogens of ARVI, herpes, cytomegaly), fungi of the genus *Candida*, dermatophytes, as well as sporocidal action.

### SPHERE OF APPLICATION

Medical organizations.

### APPLICATION

Described in detail in Instruction for use of the disinfectant «Megadez -Forte» № 5/14, produced by JSC «EP VladMiVa», Russia.

### PRECAUTIONS

Use in neoprene gloves, avoid inhalation and contact with eyes and skin.

In case of emergency, when spilling the disinfectant, use universal respirators of the type RPG-67 or RU-60M with a cartridge of grade V or industrial gas mask, airtight goggles, personal protective clothing (overalls), boots, rubber or neoprene gloves. When cleaning off the spilled disinfectant, it should be adsorbed with an absorbent material (sand, silica gel), collect in containers, and send for utilization. Do not use inflammable material (such as sawdust). Wash off the residues with plenty of water, having neutralized previously with sodium carbonate (baking soda).

### STORAGE AND TRANSPORTATION

Store the material in the manufacturer's original packaging in a dry warehouse protected from moisture and sunlight at a temperature of 0 °C to +35 °C.

Transportation by all means of transport in the manufacturer's original packaging under the shipping rules act on each mean of transport.

### ENVIRONMENTAL SAFEGUARD MEASURES

Do not allow undiluted disinfectant to enter sewage/surface or groundwater.

### PACKAGING

Polymeric containers (canisters, bottles, flasks) with the capacity from 1l to 5l.

Shelf life - 2 years.

Code 00000044382	Liquid - 1 l
Code 00000044669	Liquid - 3 l
Code 00000044670	Liquid - 5 l

ANALOGUES FOR USE  
«MetriCide» - «Metrex Research Corporation», USA;  
«Anioxyde» - «Laboratories ANIOS», France

## DISINFECTION OF SURFACES

## MEGADEZ



## APPLICATION

**In medical and preventive treatment institutions:**

- conducting pre-sterilizing cleaning, combined and not combined with disinfection of medical devices made of various materials, including surgical and dental instruments, rigid and flexible endoscopes, and instruments for them.
- disinfection of surfaces in premises, hard furniture, sanitary equipment, external surfaces of instruments and devices, laboratory glassware (including single-use), patient-care items, cleaning equipment, rubber mats, medical waste during infections of bacterial (including tuberculosis), viral and fungal (candidiasis and dermatophytosis) etiology during preventive, current and final disinfection in medical institutions (except children and obstetric hospitals), clinical, microbiological and other laboratories, focuses of infection, medical transport; conduction of general cleanings.

**At enterprises of municipal-domestic service:**

- preventive disinfection at municipal-domestic service enterprises; in educational, cultural, recreation, sport institutions; in social welfare institutions and penal institutions; trade facilities and public catering enterprises; in transport facilities at infections of bacterial etiology (including tuberculosis), viral etiology infections, dermatophytes, candidiasis;
- surface treatment to combat mold fungi; cleaning, disinfecting and deodorizing of garbage collection equipment and garbage cans, garbage trucks; disinfection of surfaces in the cabins of autonomous toilets and bio-toilets; for general cleanings.

**At veterinary supervision objects:**

- conducting of preventive and forced (current and final) disinfection of objects of veterinary surveillance, including livestock, poultry and fur farm premises, technological equipment located in them, auxiliary facilities, milk blocks and feed kitchens, sanitary equipment, facilities slaughterhouses, open facilities, containers and overalls; vehicles (including road, rail, water and air transport used to transport animals and poultry, as well as raw materials and products of animal origin); veterinary clinics (stations), laboratories, vivariums, circuses and zoos.

## DESCRIPTION

Transparent pink liquid with a characteristic odorant.

## COMPOSITION

As active substances, it contains alkyl dimethyl benzyl ammonium chloride (QAC) - 26.50%, glutaraldehyde - 0.55%, glyoxal - 7.50%, as well as technological and functional additives (including nonionic surfactant, anti-corrosion additive, colorant, flavorant, distilled water).

**WARNING! Mixing the material with other cleansers is strictly forbidden.**

## ANTIMICROBIAL ACTIVITY

It has bactericidal activity against gram-negative and gram-positive bacteria (including mycobacterium tuberculosis), virucidal and fungicidal activity (against pathogens of candidiasis and dermatophytosis), molds. Solution of the material have detergent properties. The material retains its properties after freezing and subsequent thawing.

## SPHERE OF APPLICATION

1. Medical and preventive treatment institutions (except children and obstetric hospitals); clinical, microbiological and other laboratories, focuses of infection, medical transport.
2. Enterprises of municipal-domestic service, educational, cultural, recreation, sport institutions; social welfare institutions and penal institutions; trade facilities and public catering enterprises; transport facilities.
3. Livestock, poultry and fur farm facilities, veterinary clinics (stations), laboratories, vivariums, circuses and zoos.

## APPLICATION

Described in detail in Instruction for use of the disinfectant «Megadez» № 1/06, produced by JSC «EP VladMiVa», Russia, in **medical and preventive treatment institutions;**

In Instruction for use of the disinfectant «Megadez» № 02/08, produced by JSC «EP VladMiVa», Russia for disinfection **at enterprises of municipal-domestic service**, in educational, cultural, recreation, sport institutions; in social welfare institutions and penal institutions.

In Instruction for use of the disinfectant «Megadez» № 07/15, produced by JSC «EP VladMiVa», Russia for disinfection **at veterinary supervision objects** and prevention of infectious diseases of animals.

## PRECAUTIONS

Do not allow people under the age of 18 to work with the material, people with increased sensitivity to chemicals and allergic diseases. Avoid contact with the material and its solution in eyes and skin. Use rubber gloves when handling the solution. The containers with the solutions of the product must be closed with lids. Surface treatment by wiping with solutions of the disinfectant in concentrations up to 1.0% inclusive can be carried out without respiratory protection in the presence of people. After disinfection in the treated rooms wet cleaning and airing should be carried out. When treating surfaces using the irrigation method, use personal respiratory protective equipment - universal respirators of the brand RU-60M or RPG-67 with a cartridge of grade A; eyes - sealed goggles, skin of hands - rubber gloves. When working with the material, it is necessary to observe the rules of personal hygiene, wash open parts of the body with soap and water after work. Smoking, drinking and eating during processing is strictly prohibited. **First aid measures:** In case of respiratory irritation signs occurring, stop working with the disinfectant, immediately take the injured person out to fresh air or another room, and air the processed room. Rinse mouth and nasopharynx with water. Consult a doctor if necessary. In case of contact with skin, immediately wash it off with plenty of water and apply a softening cream on the affected skin. In case of contact with eyes, rinse immediately with plenty of water under running water for 10-15 minutes, and if hyperemia occurs, put a few drops of 30% sodium sulfacyl solution. Consult a doctor. In case of entering of the disinfectant the stomach, it is necessary to drink several glasses of water with 10-20 crushed tablets of activated charcoal. Do not wash out the stomach. Consult a doctor.

**STORAGE AND TRANSPORTATION**

Store the material in the manufacturer's original packaging in closed containers at a temperature of 0°C to +35°C, avoiding direct sunlight, separate from medicine and food, keep out of the reach of children. The disinfectant can be transported by all means of transport under the shipping rules act on each mean of transport and guaranteeing the safety of the material and packing materials.

**ENVIRONMENTAL SAFEGUARD MEASURES**

Drain the disinfectant into the sewage system is allowed only in diluted form. In case of accidental leakage of the product, it should be adsorbed with an absorbent material (sand, sawdust, rags, silica gel), collected, and sent for utilization. When cleaning spilled disinfectant, the staff should use protective clothing, boots and personal protective equipment (rubber or polyethylene gloves, safety goggles, respirators of the type RU-60M or RPG-67 with a cartridge of grade A).

**PACKAGING**

Polymer bottles and canisters with the capacity of 1 l, 3 l и 5 l  
3 years shelf-life guarantee

**For veterinary surveillance objects:**

Code 00000044383	Liquid - 1 l	Code 00000007750	Liquid - 1 l with flavour
Code 00000044671	Liquid - 3 l	Code 00000008919	Liquid - 3 l with flavour
Code 00000044672	Liquid - 5 l	Code 00000008920	Liquid - 5 l with flavour
		Code 00000024398	Liquid - 1 l without flavour
		Code 00000025927	Liquid - 3 l without flavour
		Code 00000025928	Liquid - 5 l without flavour

**ANALOGUES FOR USE**

«Deconex 50 FF» - «Borer Chemie», Switzerland  
«Lysoform special» - «Lysoform Dr.Hans Rosemann GmbH», Germany  
«Samorovka» - «Samorovka»; «Alaminol» - «NIOPIK», Russia

**MEGADEZ – ORTHO****DISINFECTION OF IMPRESSIONS MADE OF SILICONE AND ALGINATE MATERIALS****APPLICATION**

Disinfection of dental impressions made of alginate, silicone materials, polyester resin, dentoprosthetic blanks made of ceramics, metals, resins, corrosion-resistant articulators, impression trays.

**DESCRIPTION**

Ready-to-use, transparent, light yellow liquid with an odour.

**COMPOSITION**

As active substances, it contains propanol-1 - 30%, propanol-2 - 35%, N, N-ddecyl-N-methyl-poly (oxyethyl) ammonium propionate - 0.39%, dodecyldipropylene triamine - 0.30% and other functional components.

**ANTIMICROBIAL ACTIVITY**

Concerning gram-negative and gram-positive bacteria (including tuberculosis pathogens - tested for Mycobacterium terrae), pathogenic fungi (pathogens of candidiasis) and viruses (pathogens of parenteral hepatitis B, C, D, HIV infection, influenza including type A H1N1, A H5N1, herpes, cytomegaly).

**SPHERE OF APPLICATION**

Medical organizations.

**APPLICATION**

Described in detail in Instruction for use of the disinfectant «MegaDez-Ortho» № 6/14.

**PRECAUTIONS**

Use with rubber gloves; avoid contact with eyes and skin. **In case of emergency**, when spilling the disinfectant, adsorb with non-flammable absorbent material (sand, silica gel), collect in containers, and send for utilization. Rinse off residues with plenty of water. When cleaning off the disinfectant, it is necessary to use protective clothing, a rubber apron, rubber boots, and personal protective equipment for hands (rubber gloves), eyes (goggles), respiratory organs (universal respirators of the type RU-60M, RPG-67 or with a cartridge of grade B).

**STORAGE AND TRANSPORTATION**

Store the material in the manufacturer's original packaging in a dry warehouse protected from moisture and sunlight at a temperature of 0°C to +35°C. Transportation by all means of transport in the manufacturer's original packaging under the shipping rules act on each mean of transport.

**ENVIRONMENTAL SAFEGUARD MEASURES**

Do not allow undiluted disinfectant to enter sewage/surface or groundwater.

**PACKAGING**

Polymeric containers (canisters, bottles, flasks) with the capacity from 125 ml to 5 liters.

Code 00000049901	Liquid - 0,5 l
Code 00000043380	Liquid - 1 l
Code 00000044667	Liquid - 3 l
Code 00000044668	Liquid - 5 l



## BURS WITH DIAMOND HEADS «ROSBEL»



### APPLICATION

Treatment of tooth hard tissues and other materials used in dentistry, when working with various dental handpieces in clinics.

Burs with diamond heads «RosBel» are used for all types of dental works: preparation, adjustment, grinding, alignment, cosmetic works, etc.

The burs are used on various materials: enamel, dentin, jawbone, amalgam, ceramics, porcelain, cements, metal alloys, composite materials, precious metals.

### MAIN TECHNICAL CHARACTERISTICS

The base of the shank manufacturing is high-quality stainless steel with nickel protective and decorative coating that provides the necessary corrosion resistance of the product. Additional spraying of titanium nitride or double nitride titanium aluminum improves the technical characteristics of burs and increases tool working life. A diamond layer of heads consists of diamond powder and metal binder of galvanic nickel.

Burs with diamond heads «RosBel» are available in a broad assortment of different forms and sizes of a shank, working part and grainsize of diamond powder. According to shank construction burs are classified into the following types:

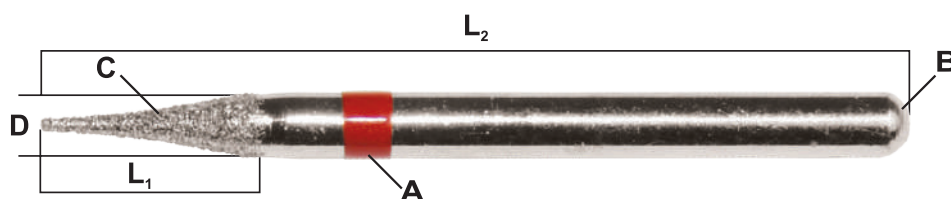
- for **angle** handpiece;
- for **straight** handpiece;
- for **turbine** handpiece.

The main working characteristic of bur is its grainsize. Diamond dental burs are produced of 6 types depending on the size of the diamond grains. Each type corresponds to a special numeral and color codes which are marked on the tool or the packing. The code corresponds to generally accepted international standards. .

## NUMBERING SYSTEM

### VMV CODE

<b>80</b>	<b>6</b>	<b>B</b>	<b>L<sub>2</sub></b>	<b>C</b>	<b>A</b>	<b>D</b>
<b>31</b>	<b>4</b>	<b>465</b>	<b>514</b>	<b>014</b>		
Working part material -DIAMOND	Metal binder - galvanic method	Shank type	Overall length of tool	Working part form	Diamond grain size - Fine	Working part diameter



### GOST CODE

	<b>A</b>		<b>B</b>	<b>L<sub>2</sub></b>	<b>C</b>	<b>L<sub>1</sub></b>	<b>D</b>
<b>8</b>	<b>5</b>	<b>6</b>	<b>31</b>	<b>4</b>	<b>465</b>	<b>030</b>	<b>010</b>
Working part material -DIAMOND	Diamond grain size - Fine	Metal binder - galvanic method	Shank type	Overall tool length	Working part form	Working part length	Working part diameter

ANALOGUES FOR USE

«FG» - «Strauss&Co»; «Diamond burs» - «Dialom Diamond Tools Ltd», Israel  
«Mani» - «Mani», Japan; «SS White» - «SS White», USA



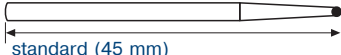
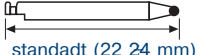
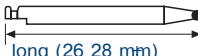

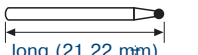
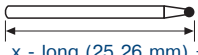
## BURS PARAMETER TABLES

DIAMONDS BURS ARE MANUFACTURED IN 5 DIFFERENT DIAMOND GRAIN SIZES.  
THE COLORS CORRESPOND TO INTERNATIONALLY ACCEPTED GUIDELINES.

















### COLOR CODE

















CODE	COLOR	GRAIN SIZE (MKM)	PURPOSE
504/836	yellow	10-40 extra - fine	for finishing of composite fillings and smoothing of the margins of fillings
514/856	red	40-80 fine	for final polishing
524/866	blue	80-125 medium	for universal removal of dental tissue
534/876	green	125-160 coarse	for fast removal of dental tissue
544/886	black	160-220 very - coarse	for fast removal of dental tissue

### SHANK TYPES

TYPE OF SHANK	CODE	LENGTH	DIAMETER $\varnothing$
Handpiece	104	 standard (45 mm)	2,35 mm
Right angle	204	 standard (22 24 mm)	2,35 mm
Right angle	205	 long (26 28 mm)	2,35 mm
Turbine	314	 standard (19 21 mm)	1,60 mm
Turbine	315	 long (21 22 mm)	1,60 mm
Turbine	316	 x - long (25 26 mm) ±	1,60 mm

### FORMS OF WORK PIECE

	001	Spherical (round)
	002	Spherical (round) shouldered, standard
	697	Spherical long (surgical)
	010	Inverted cone
	019	Inverted cone shouldered
	032	Combined double cone with connected cones in the top
	037	Double cone, symmetric, short
	040	Wheel
	067	Wheel, half-round ring
	107	Cylindrical (form), side and end cutting
	126	Cylindrical, point end
	137	Cylindrical, semi-spherical end
	164	Cone, peak thin
	168	Cone (truncated cone)
	194	Cone, domical (semi-spherical) end
	219	Cone, domical end, only side cutting

	225	Inverted cone
	237	Pear
	243	Flame, standard
	244	Flame with well rounded end
	245	Cylindrical, pointed, long
	254	Bud
	260	Bud rounded
	266	Bud, rounded, long
	272	Bullet
	277	Egg
	294	Torpedo cone
	303	Lens
	465	Interdental bur
	551, 552	Cylindrical with a wavy working part
	554, 555	Cone with a wavy working part
	700	Spherical combined

## DISKS DENTAL DIAMOND



### APPLICATION

Disks diamond dental are intended for separation, contouring and cutting ceramics, porcelain fused metal, metals, solid plastics, gypsum, as well as the imitation of interdental spaces, preparation, and final treatment of tooth hard tissues and filling materials.

### FEATURES

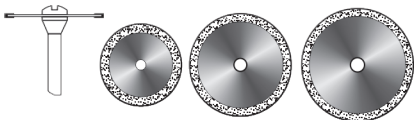
Disk construction with holes and openings of different configurations allows:

- effectively remove the cutting products of the treatment area, significantly improving the review and the cooling of the processing area;
- create thin interdental spaces;
- separate with high accuracy not only ceramics but also metal, parts of small thickness.

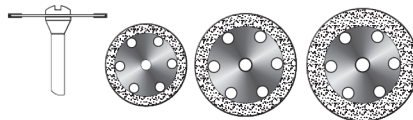
### PACKAGING

Disks of one type-size - 25 pc  
Individual cell for disks - 5 pc

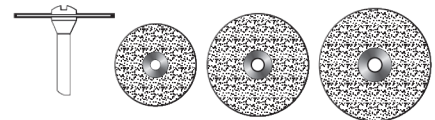
## TWO-SIDED DIAMOND DISKS STANDARD



Diameter, mm	16	20	22
Thickness, mm	0,35	0,35	0,35



Diameter, mm	16	20	22
Thickness, mm	0,35	0,35	0,35

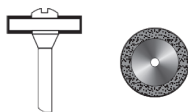


Diameter, mm	16	20	22
Thickness, mm	0,35	0,35	0,35

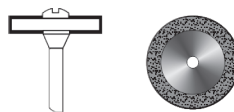
## DISKS (STONES) DENTAL DIAMOND



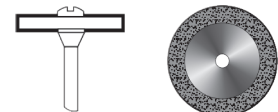
## TWO-SIDED DIAMOND STONES STANDARD



Diameter, mm	9
Thickness, mm	4



Diameter, mm	12
Thickness, mm	4



Diameter, mm	16
Thickness, mm	4

## LIQUID FOR CLEANING DIAMOND INSTRUMENTS (CONCENTRATE)

### APPLICATION

Cleaning of small dental diamond instruments.

### FEATURES

The liquid contains:

- EDTA salt which forms soluble complexes with calcium ions;
- centimonium bromide is a wide-spectrum antiseptic, cationic detergent;
- glutaraldehyde possesses an antimicrobial effect against gram-positive and gram-negative bacteria, viruses and fungi.

One cap of the concentrate is dissolved in 100 ml of water. The processed tools are soaked in the prepared solution for 5-10 minutes, after which the tools are taken out and rinsed with water. In case of high contamination, the solution should be replaced. Avoid contact with eyes and skin.

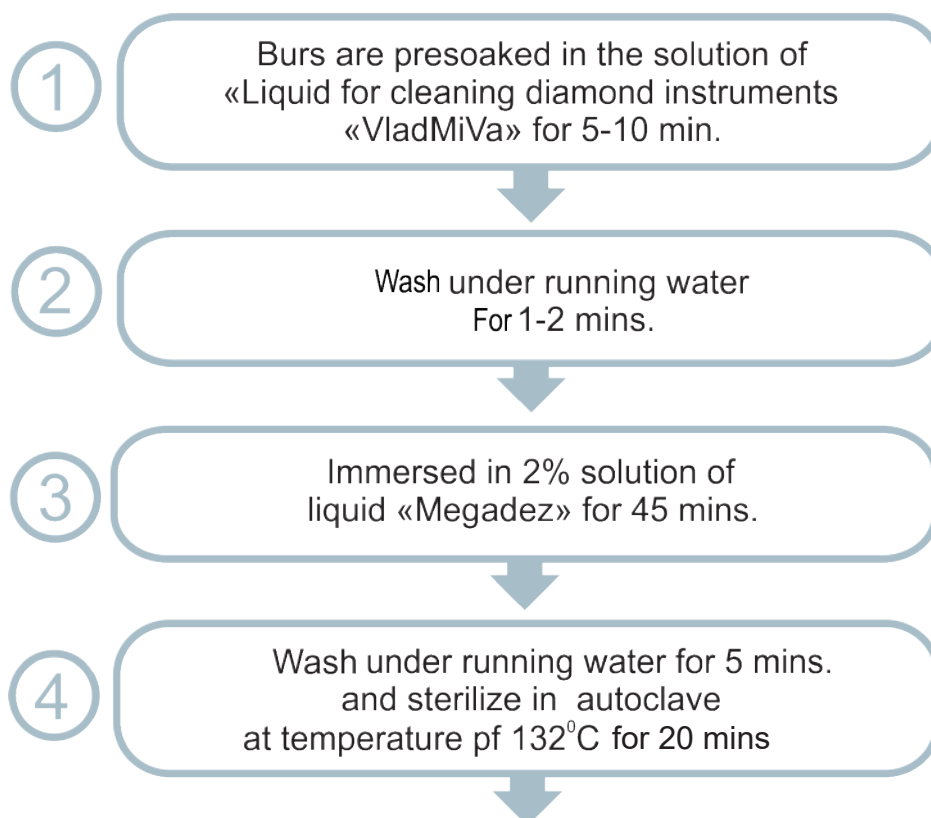


### PACKAGING

Liquid - 125 ml / 500 ml / 1,0 l

ANALOGUES FOR USE  
«Traypuro!» - «Voco», Germany

## SCHEME OF DISINFECTION AND PRESTERILIZATION<sup>®</sup> PROCESSING OF DENTAL BURS WITH DIAMOND HEADS «ROSBEL»



# ALPHABETICAL INDEX OF «VLADMIVA» MATERIALS

Air-cleans	66	Ceramgel	100	Klipdent-MC sponge	91
Aksil	81	Ceramic crucibles	130	Klipdent periodontal	88
Aksil LC	81	ColorDent	73	Klipdent PL cosolvent	88
Alumogel	59	ColorDent LC	73	Klipdent (TCP/HAP,PL,KL,GL)	87
Alumosil	60	Color - test №1, №2, №3	68	KP-Plast	57
Alvanes	60	Color - test №4	34	KP-Plast (chips)	94
Alvanes sponge	95	Compelak	123		
Anhydriin	81	Compelak S	124	Liquid for cleaning diamond instruments	153
Apexdent	38	Compocem	16		
Argecem	17	Compocem-endo	44	Masster	99
Argenate	76	Compofix	102	Megadez	148
Armodent	51	Cresodent VladMiVa liquid	44	Megadez - cleaner	144
Armosplint	101	Cresodent VladMiVa paste	36	Megadez - forte	147
		Cuprodent	41	Megadez - ortho	149
				Megadez - spray	146
				MegaSept	145
Bandage Iodoform	96				
Belabond	80	Dental diamond disks	152		
Belacin	25	Dentine - paste	23		
Belacryl	109	Dentine - powder	23	Nanofluor	75
Beladont	25	DentLight	10	№latek	115
Belagel - Ca/P	72	DentLight - adhesive	11	№latek 3D	136
Belagel - F	75	DentLight - aqua	12	№latek blocks	139
Belagel - O	70	DentLight - color-corrector	14		
Belagel - O active	72	DentLight - COR	18		
Belagel - O endo	33	DentLight - flow	13	Orthofix - Aqua	103
Belagel - O white, light	71	DentLight - flow (Kaleidoscope series)	13	Orthosol	106
Belagel - R	67	DentLight - gingival mass	15	Otbel	128
Belagel set	70	DentLight - modeling agent	15	Oxidant	46
Belaiod	56	DentLight - universal	12		
Belak - F	74	Desensil - Active	69		
Belast	99	Desensil - VladMiVa	69	Parasept	58
Belect	125	Desensil - VladMiVa Asept	63	Pectafix	103
Belflex	114	Desensil - VladMiVa (desensitizer)	61	Phosphadent	46
Belocor	26	Devit A	28	Phosphadent BIO	43
Belodez (hypochlorite Na)	32	Devit ARS	28	Polident set	68
Belodez activator	32	Devit P	29	Polident №4	74
Beloform	126	Devit S	29	Poliset	125
Belolit	127			Pulpevit №1, №3	30
Beloprint	98	EndAsept	42	Pulpevit №2	43
Beloprint - chromatic	98	EndoGel	36	Pulpodent	31
Beloprint - time	98	EndoZhy	37		
Belowax	120	Eodent long-hardening	45		
BelSol №1	67	Eodent quick-hardening	24	Re - Cord	61
BelSol №2	56	Estcer	140	Resodent - VladMiVa	47
BelSol №3	56				
Bioplast - Dent	84				
Bioplast - Dent collagen matrix	90	Fisshim	78	Set of gels	74
Bioplast - Dent demineralized	85	Fissulight	76	Sildent	47
Bioplast - Dent deproteinized	86	FtorAsept	57	Sildent one-component	94
Bioplast - Dent gel	93	Fusible Alloy	129	Solvadent	34
Bioplast - Dent membrane	90			Stiodent	48
Burs «RosBel»	150				
		Gel for dentine etching	82		
Calcelight	54	Gel for enamel etching	82	Tempocor	100
Calcesept	40	Gel on organic base	82	Tempofix	96
Calcesil	54	Glufitred	74	Tempophot	17
Calcetate	55			Tiedent	48
Calcevit - paste	55	Iodent non-hardening	39	Tricredent	50
Calcevit - powder	39	Iodent hardening	45	Trioxidant	49
Capramin	61	Isalglin	110		
Caricleans	63	Isospray	111		
Cemilight	18	Izoline	22		
CemiLine	19			Ultropaline	128
CemiLine LC	19	Klipdent biological glue	92	Unicem	24
Cemion	21	Klipdent-CEM	89	Unicem - F	105
Cemion - Aqua	20	Klipdent-CEM binding	89		
Cemion - Aqua ART	20	Klipdent-MC gel	92	Viedent	50
Cemion - ART	21	Klipdent-MC membrane	91	Vitadont	59
Cemion (Kaleidoscope series)	22				
Cemion - F	102			Wire solder PSrMTS-37	129

# Materials for dental therapy

vvv  
VLADMIVA

## ① ADHESIVES

Belabond  
DentLight

## DENTAL CEMENTS

## ② restoration

DentLight  
Belabond  
Belacin  
Compocem  
Tempophot

## ② restoration and lining

Aquion  
Argecem  
DentLight  
Cemilight  
CemiLine  
Cemion

## ③ lining

Belacor  
Isolite  
Unicem  
Eodent  
(quick -  
hardening)

## ④ CALCIUM-CONTAINING TREATING MATERIALS

Calcesil  
Calcelight  
Calcetate

## ⑤ DEVITALIZING PASTES

Devit - ARS  
Devit - S  
Devit - P  
Devit - A

## ⑥ PROPHYLACTIC MATERIALS

Air-cleans  
Argenate  
Belagel - F  
Belagel - Ca/P  
Belak - F  
Belagel - P  
Belagel - O  
BelSol  
Desensil  
Glufторed  
Nanofluor  
Polident  
ColorDent  
FtorAsept  
Fissulight  
Fisshim

## ⑦ HEMOSTATIC MATERIALS

Alvanes  
Alumosil  
Alumogel  
Capramin  
Re - Cord  
EndoZhy

## ⑧ MATERIALS FOR FILLING OF ROOT CANAL

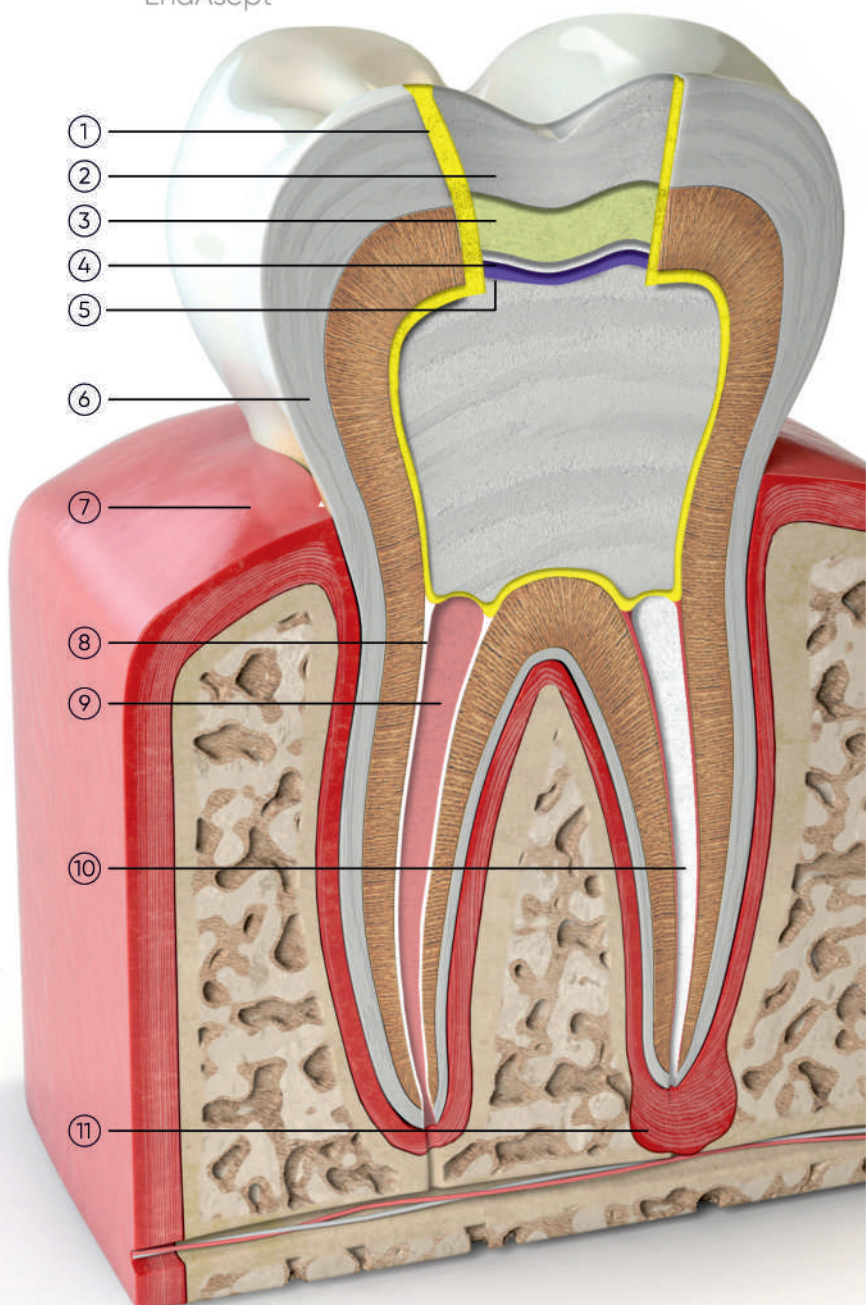
Armodent  
Viedent  
Iodent  
(hardening)  
Cuprodent  
Compocem-endo  
Resodent  
Sildent  
Stiodent  
Tiedent  
Trioxident  
Tricredent  
Phosphadent  
Eodent

## ⑨ MATERIALS FOR TREATMENT OF ROOT CANALS

Anhydrin  
Belodez  
(hypochlorit Na)  
Cresodent  
(liquid)  
Pulpevit №1,2,3  
EndoZhy №1,2,3  
EndoGel  
EndAsept

## ⑩ TREATING PASTES

Apexdent  
Iodent  
(non-hardening)  
Cresodent  
(paste)  
Oxident  
Pulpodent  
Phosphadent BIO





# VLADMIVA

Trading House «VLADMIVA»

118 Sadovaya str.,  
Belgorod, 308023, Russia  
tel./fax: +7(4722) 200-555  
market@vladmiva.ru



## Our branches:

6a, Olminsky micro-district,  
Stary Oskol, 309516, Russia  
tel./fax: +7(4725) 39-05-04, 39-05-03  
st\_oskol@tdvladmiva.ru

27, Botanic str.,  
Orel, 302016, Russia  
tel./fax: +7(4862) 72-54-60, 72-54-61  
orel@tdvladmiva.ru

21,1-st Pushkarnaya str.  
Kursk, 305029, Russia  
tel./fax: +7(4712) 22-74-46, 22-74-45  
kursk@tdvladmiva.ru

15, Initiativnaya str., Lyubertsy,  
Moscow Region, 140015, Russia  
tel./fax: +7(495) 565-42-43, 565-42-44  
ddvladmiva@gmail.com

8, Tchaikovsky str.,  
Voronezh, 394036, Russia  
tel./fax: +7(473) 202-10-45  
voronezh@tdvladmiva.ru

34, Aviatsionnaya str.  
Bryansk, 241001, Russia  
tel./fax: +7(4832) 59-54-46  
bryansk@tdvladmiva.ru

157, Lenin str., office 221  
Tula, 300026, Russia  
tel./fax: +7(4872) 70-13-20  
tula@tdvladmiva.ru

All products can be purchased  
in the online store

 [tdvladmiva.ru](http://tdvladmiva.ru)

