



COMPOSITE MATERIALS



Perfect restoration!



Specialised materials for high-quality dental restorations are indispensable in modern dentistry..

Various dental composites are used as restorative materials.

A dental composite is a restorative material, in which several components successfully complement each other's effectiveness. The main advantage of composites is their high strength, which makes them suitable for use in a wide range of situations involving dental restorations of the anterior or posterior teeth. .

For more than 25 years, «VladMiVa» has used its own research and development in the manufacture of dental products that meet high standards of quality, reliability and safety. Our scientific partners are the Russian University of Chemical Technology named after D.I. Mendeleev. Mendeleev University of Chemical Technology and Belgorod State National Research University.

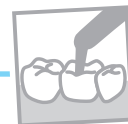
Today we offer dentists modern composite materials, both chemical and light-curing, produced by the joint-stock company «Experimental Plant «VladMiVa». The materials presented in this catalogue will help professionals to choose the best solution for any, even the most complicated situation.

Convenient packaging, high quality and reasonable prices always distinguish the materials produced by «VladMiVa».

We wish you a perfect restoration!

We work for you!






VLADMIVA

COMPOSITE MATERIALS



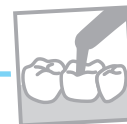
UDC 616.314-74
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K63

K63 Composite materials – Belgorod: VladMiVa, 2021. – 34 p.: il., colour illustration.

Author: Posohova V.F., Chuev V.V., Eliseeva M.V., Chuev V.P.

The catalogue presents a wide range of manufactured composite materials. It contains a brief description and the main forms of the materials..

The publication is intended to inform potential consumers of medical products - dentists, students of dental faculties of medical universities, as well as managers and sales representatives of the company «VladMiVa».



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DENTLIGHT

LIGHT-CURED
MICROHYBRID
NANOCLUSTER
COMPOSITE MATERIAL



PURPOSE

- restoration of cavities of any grade (i-v) on anterior and occlusal teeth;
- tooth core build-up;
- indirect restorations (inlays, onlays, veneers);
- milk teeth restorations;
- temporary restoration of ceramic fractures.

FEATURES

The base of microhybrid composite «DentLight» is:

- high-strength polymeric matrix, containing Bis-GMA, UDMA, TEGDMA and other oligomers
- radiopaque nano-filler (80-85 wt.% or 62-65 vol.%) which is a combination of modified clusters barium-borium-alumino-silicate clusters (0.1-3 microns) and nano-sized silica (5-75 nm), which allows to achieve optimum results in combined processability, strength and aesthetics of the material.

The composite is cured by the light in the wavelength 400-500 nm.

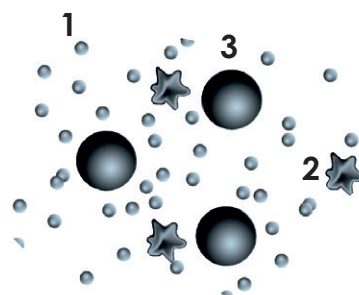
Special layered particle size distribution of the filler allows the composite excellent polishability and a high permeability.

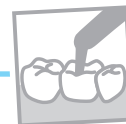
COMBINATION OF NANO-FILLER PARTICLES

1. nano-particles, size 5 - 75 nm
2. nano-clusters, size 0,1 - 3 μ m
3. particles, size 0,7 - 1,5 μ m

Microhybrid composite «DentLight» has the following advantages:

- high strength;
- increased color stability;
- does not stick to the instrument;
- easily modeled, does not spread;
- provides good marginal fit;
- well packed in the restoration of posterior teeth.





Opaque dentine (O) blocks the passage of light through the restoration, is the most opaque composite and allows masking of pigmented dentine. Used for restoring dentine in multilayer restorative procedures (not mirror polished) and as an independent core build-up material.

Dentine (D) has greater translucency and is used in both multicoloured and single-coloured restorations. Unlike opaque dentine, it can be polished to a «mirror shine».

Enamel (E) has a translucency that matches the natural enamel of the tooth, displays a «chameleon effect» and polishes to a «mirror shine».

Incisal edge is the most transparent of all layers. Used in a multilayer technique to increase transparency and enhance the «depth effect» of the restoration. Can also be used alone. Polishable to a «mirror finish».

The organic polymer based etching gel has optimum flow properties and can be rinsed away completely with water. The bactericidal ingredient benzalkonium chloride in the organic-based gel increases the penetration ability of the etching component by reducing the surface tension..

The one-component light-curing adhesive «DENTLIGHT» has a high penetrating capacity, provides a strong bond and a secure marginal adhesion to the restoration, based on a chemical interaction with the tooth tissue and the formation of a hybrid layer.

The liquid composite «DENTLIGHT»-flow adapts easily to the cavity walls, ensures full hydration of the surface and a tight fit without formation of voids.

Transparency level of material	Polymerization time (sec) by 600 mW/cm ²	Layer thickness of material (mm)
Opaque dentine (O)	40	1,5
Dentine (D)	30	2,0
Enamel (E)	20	2,0
Incisal edge	20	2,0

opaque dentine
opaque dentine
opaque dentine
opaque dentine
opaque dentine

dentine
dentine
dentine
dentine
dentine

enamel
enamel
enamel
enamel
enamel

incisal edge
incisal edge
incisal edge
incisal edge
incisal edge

«DentLight» composite paste is available in
and «DentLight»-flow in other shades:

Shades of dentine:	A1, A2, A3, A3.5, A4, B1, B2, B3, B4, C1, C2, C3, C4, D2, D3, D4
Opaque shades:	OA2, OA3, OA3.5, OA4, UO, UD
Transparent shades:	DT, CT, NT, ET4
Shades of incisal edge:	B, U, Y
Opalescent shades:	OTB, ONG



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.

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

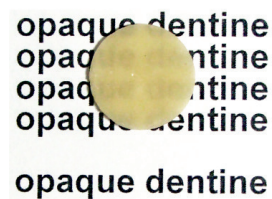
Opaque dentine (O)

FOURTH TRANSPARENCY LEVEL

Imitates inner layer of tooth dentine - the most opaque part of dentine:

- Creates a rich tone
- The most opaque layer
- Restores vasodentine
- Masks pigmented dentine
- Prevents the translucence of the dentine
- Used by all shades
- Compatible with any composite material

Opaque dentine is produced 8 colors according to scale VITA:
OA1, OA2, OA3, OA3,5 OB1, OB2, OB3, OC2



Dentine (D)

THIRD TRANSPARENCY LEVEL

Imitates outer layers of dentine - less opaque part of tooth dentine:

- Suitable for filling the cavity to the dentine-enamel junction with the loss of a significant amount of tooth structure
- Gives fullness of restoration
- Used by all shades and blends in with any composite material perfectly polished

Dentine is produced 5 colors according to scale VITA:
DA1, DA2, DA3, DA3,5 DB2



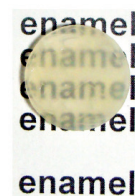
Enamel (E)

SECOND TRANSPARENCY LEVEL

Imitates tooth enamel:

- It is used for the restoration of minor defects
- Shows the effect of «chameleon» and polished to a «mirror shine»

Enamel is produced 7 colors according to scale VITA:
EA1, EA2, EA3, EB1, EB2, EC2, ED2

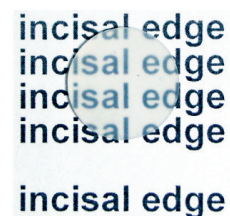


Incisal edge

FIRST TRANSPARENCY LEVEL

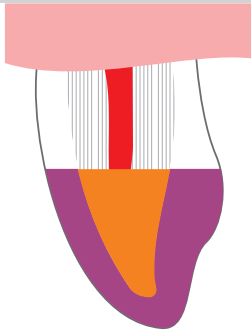
Transparent color imitates surface transparent layer of tooth enamel:

- Transparent colorless, translucent, corresponds to the cutting edge
- Rejuvenescent restoration
- Quickly polished to a «dry» gloss





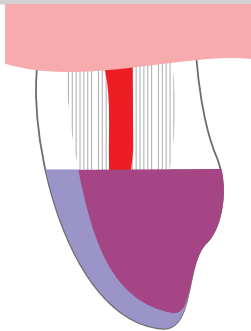
FOURTH TRANSPARENCY LEVEL



Optimal result when used opaque dentine is obtained by the following ratio: 1/3 opaque dentine and 2/3 of dentine

- OPAQUE DENTINE**
dentine tissues restore by 1/3 of the volume of the cavity to the dentine-enamel boundary
- DENTINE**
enamel restore by 2/3 of the volume of the cavity of the dentine-enamel boundary palatal, vestibular, on the incisal edge

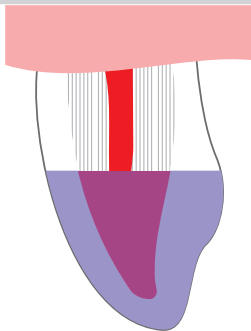
THIRD TRANSPARENCY LEVEL



Optimal esthetic result is obtained by the following ratio: 2/3 dentine и 1/3 enamel

- DENTINE**
completely missing dentine tissues, enamel palatal wall, vestibular restore by 2/3 of the volume of the cavity to the dentine-enamel boundary
- ENAMEL**
missing enamel restore by 1/3 of the volume of the cavity of the dentine-enamel boundary vestibular, at the incisal edge

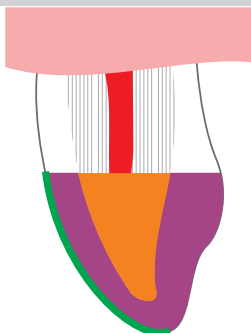
SECOND TRANSPARENCY LEVEL



Optimal esthetic result is obtained by the following ratio: 2/3 dentine и 1/3 enamel

- DENTINE**
fully restore dentine tissues and vestibular to dentine-enamel boundary
- ENAMEL**
restore missing palatal enamel and vestibular dentine-enamel boundary and at the incisal edge

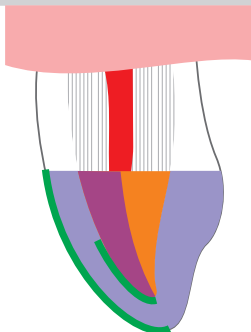
FIRST TRANSPARENCY LEVEL



Optimal esthetic result is obtained by the following ratio: 2/3 dentine и 1/3 enamel

- OPAQUE DENTINE**
restore 2/3 volume of the cavity - dentine tissues to dentine-enamel boundary
- DENTINE**
restore 2/3 volume of the cavity of the missing enamel from dentine-enamel boundary palatal, vestibular on the incisal edge
- INCISAL EDGE**
vestibular covers the full restoration, partly bevel, thickness 0.5-1mm

FOUR LEVELS OF TRANSPARENCY



- OPAQUE DENTINE**
restore 1/3 of the cavity volume - dentine tissue up to the dentine-enamel border
- DENTINE**
Restore 2/3 of the cavity volume with missing enamel from the dentine-enamel border palatal, vestibular, along the incisal edge
- ENAMEL**
Restore missing tooth enamel
- INCISAL EDGE**
vestibularly overlaps the entire restoration, partially bevelled, thickness 0.5-1mm



DIRECTION FOR USE

1. Color choice

To choose the color use the standard scale of VITA firm production.

2. Preparation of cavity according to standard method

3. Protection of tooth tissues

At filling of deep cavities on the area of dentine, being in a direct closeness to pulp, it is necessary to inflict medical material containing calcium hydroxide («Calcesil», «Calcelight») in combination with a glass-ionomer cement («Cemilight», «CemiLine-LC»).

4. Etching gel

On the prepared surface of tooth inflict an etching gel on 20-30 seconds. After expiration of time of treatment etching gel carefully wash off by water and dry the cavity of tooth by the compressed air, abandoning a surface by moistened one.

For achievement of the maximal adhesion of material with tooth tissues it is recommended to influence to etching surface with moistening agent «DentLight»-aqua, which prevents the decrease of collagen fibers and increase their permeability to adhesive resins.

5. Laying of adhesive

On the prepared surface of enamel and dentine inflict one-component adhesive «DentLight» during 15 seconds. By the weak current of air dry out adhesive during 5 seconds and curing by light of photopolymerizator during 20 sec. The treated surface must be glossy, otherwise repeat causing of adhesive.

6. Laying of composite

For indemnification of internal tensions arising up in the process of polymerization shrinkage of microhybrid composite, apply fluid composite «DentLight-flow». Using attachment to the syringe, inflict fluid composite on the prepared surface of tooth by a layer 1,5 mm and conduct curing by light of photopolymerizator during 30 seconds.

In the case of cavity being within the limits of enamel layer for its renewal it is enough to apply one of tints of composite for an enamel or incisal edge. In the case of large destruction of tooth it is recommended to use strengthening pin constructions («Armodent»). For creation of tints and coloring of different areas of composite restoration (cervical part, fissures) it is recommended to use color-correctors «DentLight»-color, and for reproduce of gingival areas – gingival mass «DentLight».

Attention! At once after the use of composite paste it is necessary to close a syringe by a cap. Hit of direct sunlights on composite material by any stage of preparation to filling can result in premature curing.



Cavity after
preparation



Cavity after etching,
adhesive applying



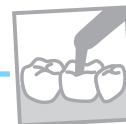
Final result
of restoration

7. Curing

Conduct curing of material by devices radiative dark blue light in area of wave-lengths 400-500 nm.

8. Tooling and polish

For tooling of material the use of any metallic cutting instruments is assumed. Large attention at treatment it is necessary to spare to the recreation of anatomic form of tooth and polish. Conduct finish treatment and polish by polishing disks, silicon heads and finish polishing pastes.



PACKAGE

code	package	mass
PROFESSIONAL SET (12 syringes)		
00000008199	Composite paste shade:	
	OA2	4,5 g
	OA3.5	4,5 g
	OB3	4,5 g
	DA2	4,5 g
	DA3	4,5 g
	DA3.5	4,5 g
	EA1	4,5 g
	EA2	4,5 g
	EA3	4,5 g
	EB2	4,5 g
	ED2	4,5 g
	Incisal edge	4,5 g
	Liquid composite (A2)	2 g
	One-component adhesive	5 ml
	Gel for etching on an organic basis	3 ml

code	package	mass
PROFESSIONAL SET (80 capsules)		
00000052328	Composite paste shade:	
	OA2	0,25 g x 5 pcs
	OA3.5	0,25 g x 5 pcs
	OB3	0,25 g x 5 pcs
	DA2	0,25 g x 5 pcs
	DA3	0,25 g x 5 pcs
	DA3.5	0,25 g x 5 pcs
	EA1	0,25 g x 5 pcs
	EA2	0,25 g x 10 pcs
	EA3	0,25 g x 10 pcs
	EB2	0,25 g x 5 pcs
	ED2	0,25 g x 5 pcs
	Incisal edge	0,25 g x 5 pcs
	Liquid composite (A2)	0,25 g x 10 pcs
	One-component adhesive	5 ml
	Gel for etching on an organic basis	3 ml
	Пистолет	1 pcs

STARTER KIT (5 syringes)		
00000008198	Composite paste shade:	
	OA3.5	4,5 g
	DA3	4,5 g
	EA2	4,5 g
	EA3	4,5 g
	EB2	4,5 g
	Liquid composite (A2)	2 g
	One-component adhesive	5 ml
	Gel for etching on an organic basis	3 ml

STARTER KIT (80 capsules)		
00000051779	Composite paste shade:	
	OA3.5	0,25 g x 10 pcs
	DA3	0,25 g x 10 pcs
	EA2	0,25 g x 20 pcs
	EA3	0,25 g x 20 pcs
	EB2	0,25 g x 10 pcs
	Liquid composite (A2)	5 ml
	One-component adhesive	3 ml
	Gel for etching on an organic basis	1 pcs
	Пистолет	

Composite paste (syringes)		
00000009242 00000009293 00000009294 00000009295 00000006464 00000009296 00000009297 00000009298 00000032598 00000032599 00000032600 00000032601 00000034598 00000032602 00000032646 00000018839 00000009238 00000010058 00000034215 00000009239 00000009240 00000046247 00000009241 00000036091 00000046246 00000008903 00000067491 00000067546	Composite paste shade:	
	OA1	4,5 g
	OA2	4,5 g
	OA3	4,5 g
	OA3.5	4,5 g
	OB1	4,5 g
	OB2	4,5 g
	OB3	4,5 g
	OC2	4,5 g
	DA1	4,5 g
	DA2	4,5 g
	DA3	4,5 g
	DA3.5	4,5 g
	DB1	4,5 g
	DB2	4,5 g
	DC2	4,5 g
	EA1	4,5 g
	EA2	4,5 g
	EA3	4,5 g
	EA3.5	4,5 g
	EB1	4,5 g
	EB2	4,5 g
	EB3	4,5 g
	EC2	4,5 g
	ED2	4,5 g
	ED3	4,5 g
	Incisal edge	4,5 g
	OA2	4,0 g
	OA3	4,0 g



DENTLIGHT-universal set

Light cured
microhybrid nanocluster
composite material
universal set



PURPOSE

- restoration of cavities in the anterior and posterior teeth in all clinical cases;
- tooth core build-up;
- indirect restorations (inlays, onlays, veneers);
- milk teeth restorations;
- temporary restoration of ceramic fractures.

FEATURES

The base of «DentLight» microhybrid nanocluster composite universal consists of:

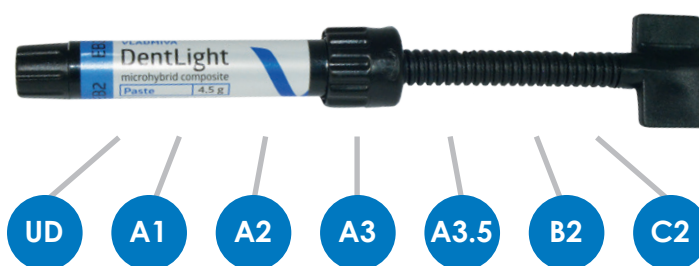
- high-strength polymeric matrix, containing Bis-GMA, UDMA, TEGDMA and other oligomers;
- radiopaque nano-filler (80-85 wt.% or 62-65 vol.%) which is a combination of modified bariumborosilicate clusters (0.1-3 μm) and nano-sized silica dioxide (5-75 nm), which allows achieving optimum results in combined processability, strength and aesthetics of the material.

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

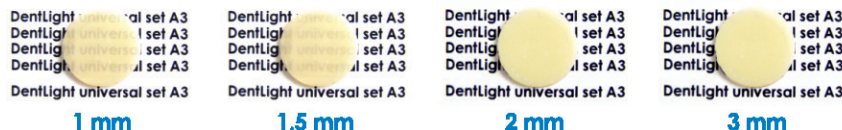
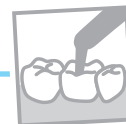
«DentLight» microhybrid composite universal possesses the maximum-high indexes of the durability, increased color stability and comfortable plasticity which makes it easy by modeling.

This is mono-system of one transparency comparable with that of the intermediate transparency between Using different material thickness, different opacity level can be achieved.

UNIVERSAL PASTE



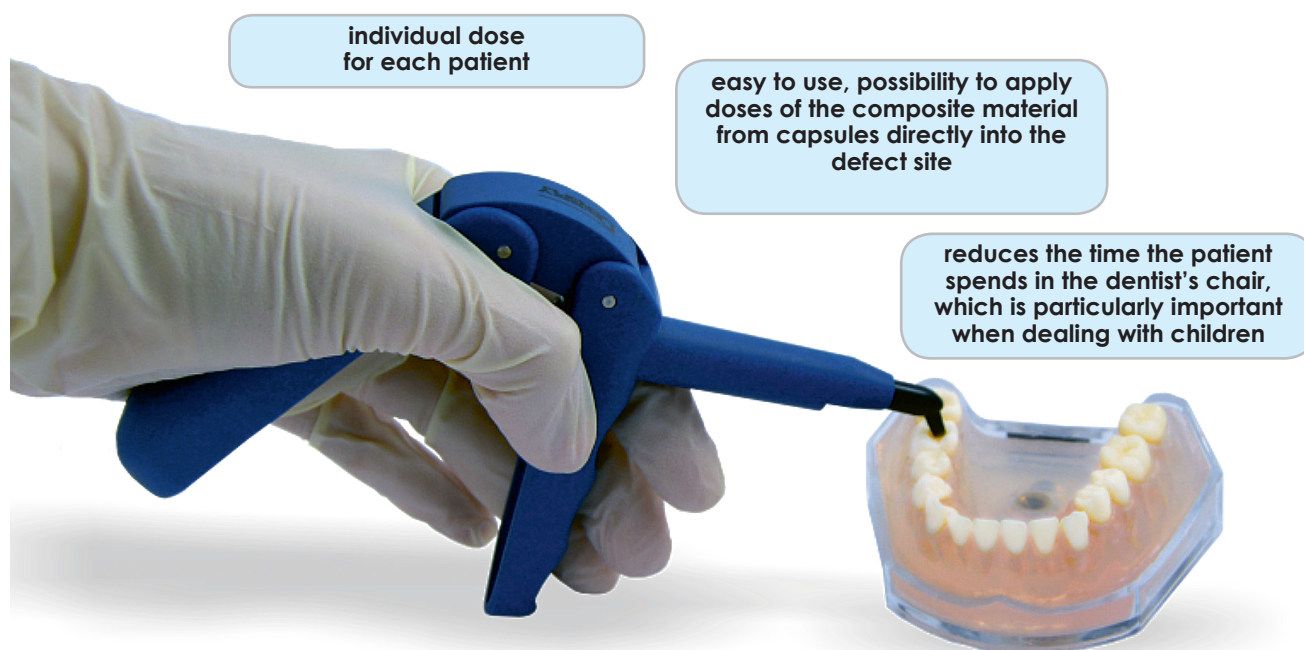
colors are according to the VITA scale



The material has seven colors adapted to VITA scale: UD, A1, A2, A3, A3.5, B2, C2.

The adhesive system is presented by an etching gel for enamel and dentine on organic base and a fifth-generation one-component adhesive. The organic polymer-based etching gel has optimum flow and can be rinsed away completely with water. One-component **adhesive light-curing adhesive «DentLight»** has a high penetrating capacity and provides a strong bond and secure marginal adhesion to the restoration, based on a chemical interaction with the tooth structure and the formation of a hybrid layer.

Capsule Package



It's polished like a nano-hybrid material

PACKAGE

code	package	mass
Universal set (7 syringes)		
00000041026	Composite paste shade:	
	UD	4,5 g
	A1	4,5 g
	A2	4,5 g
	A3	4,5 g
	A3.5	4,5 g
	B2	4,5 g
	C2	4,5 g
	One-component adhesive	5 ml
	Gel for etching on an organic basis	3 ml

code	package	mass
Universal composite paste		
Composite paste shade:		
00000044196	UD	4,5 g
00000044199	A1	4,5 g
00000044197	A2	4,5 g
00000044201	A3	4,5 g
00000044202	A3.5	4,5 g
00000051392	B1	4,5 g
00000044198	B2	4,5 g
00000044200	C2	4,5 g
00000063657	UD	4,0 g
00000058605	A2	4,0 g
00000058606	A3	4,0 g
00000057849	A1 (capsules)	0,25 g x 20 pcs
00000057737	A2 (capsules)	0,25 g x 20 pcs
00000057848	A3 (capsules)	0,25 g x 20 pcs



DENTLIGHT-flow

Light-cured fluid
nanocluster
composite material



PURPOSE

- as lining by composite filling;
- filling cavities of the 5th and 3d classes;
- restoration of small defects of enamel (in occlusion areas outside load);
- sealing of fissures;
- splinting of mobile tooth with reinforced glass fiber;
- preparation of small defects of ceramic and composite veneers;
- esthetic corrections of composite restoration.

FEATURES

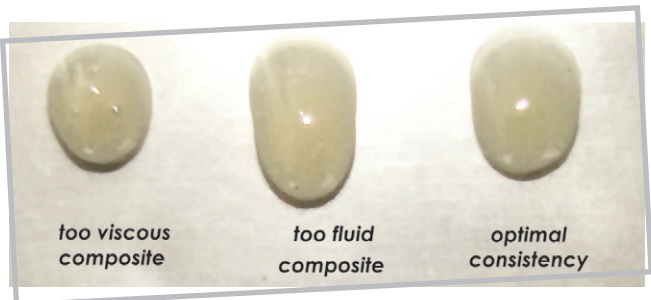
Fluid composite «DentLight»-flow is a low viscosity light-cured paste based on methacrylate oligomers and modified fine nano-filler. Radiopaque filler is a combination of modified barium-borium-alumino-silicate clusters (0.1-3 microns) and nano-sized silica (5-75 nm).

Fluid composite «DentLight»-flow is produced different shades according to VITA scale A2, A3, A3.5, B2, C2, OA3, half-transparent/incisal edge).

With its optimal flow, the composite can be easily adapted to the cavity walls, provides complete wetting of the surface and compact fit without voids.

Fluid composite «DentLight»-flow is compatible to all light-cured composites and compomers and can be used in combination with above mentioned materials.

Using of enclosed needles for direct application allows to fill the material direct into prepare cavity.



PACKAGE

code	package	mass
	Shades of paste-syringe:	
00000041366	A1	2,0 g
00000008904	A2	
00000009299	A3	
00000009300	A3.5	
00000047096	A4	
00000051436	B1	
00000010059	B2	
00000010060	C2	
00000000000	OA2	
00000032709	OA3	
00000052331	Golden	
00000052332	Orange	
00000052333	Red	
00000052334	Green	
00000052335	Blue	
00000063459	White	
00000058950	Transparent	

code	package	mass
	Shades of paste-capsules:	
00000052336	A2	0,25 g x 20 pcs
00000052337	A3	
00000052338	A3.5	
00000052339	B2	
00000052340	C2	
00000052341	OA3	
	Shades of paste-syringe:	
00000055551	A2	2,0 g x 2 pcs
00000055552	A3	
00000055553	A3.5	
00000055555	B2	
00000055554	C2	
00000062706	OA2	
00000055550	OA3	



DENTLIGHT-flow

«KALEIDOSCOPE» series -
the material for pediatric
dentistry



PURPOSE

- restoration of defects in natural tooth tissues;
- fissure sealing;
- fixation during splinting;
- temporary increase in occlusion height;
- fast replacement of the interdental space;
- designation during filling of root canals.

FEATURES

Flowable composite «DentLight»-flow is a low viscosity light-cured paste based on polymer binder and modified radiopaque nanofiller. Composite paste is available in transparent and different colors: white, orange, red, gold, green, blue. Universal in use in combination with all light-curing composites.



After preparation



Filled canal mouths



After preparation



Filled canal mouths

PACKAGE

code	package	mass
set (7 syringes)		
00000046696	Composite paste shade: Golden Orange Red Green Blue White Transparent	2,0 g x 7 pcs
	Gel for etching on an organic basis	3 ml

code	package	mass
set (capsules)		
00000053280	Composite paste shade: Golden Orange Red Green Blue White Transparent	0,25 g x 10 pcs 0,25 g x 10 pcs 0,25 g x 15 pcs 0,25 g x 15 pcs 0,25 g x 10 pcs 0,25 g x 10 pcs 0,25 g x 10 pcs
	One-component adhesive Gel for etching on an organic basis Dispenser	5 ml 3 ml 1 pcs



DENTLIGHT-adhesive

Light-cured
one-component adhesive



PURPOSE

Lasting connection (adhesion) of light-cured composite materials with tooth hard tissues.

FEATURES

«DentLight» adhesive contains methacrylate oligomers (HEMA, PMDM, UDMA), polymerization activators, stabilizers and solvents.

The adhesive has the properties of desensitizer, wets dentine surface completely and easily penetrates dentinal tubules. Polyfunctional monomers contained in the adhesive, contribute to the formation of chemical bond with tooth tissues and the formation of retention polymer strands in dentinal tubules.

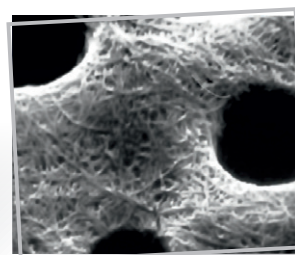
«DentLight» provides a strong connection based on chemical adhesion, perfect marginal seal and reduces the risk of second bacterial infection. «DentLight» adhesive can be used in combination with any light-cured composite materials.

PACKAGE

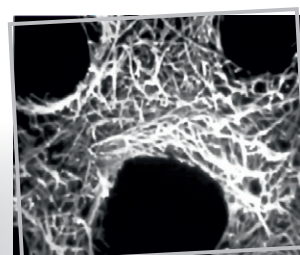
code	package	mass
00000008905	Liquid	5 ml
00000053100	Liquid	6 ml
00000000000	Liquid	10 ml

DENTLIGHT-aqua

Moistening agent



Dry dentine



Moist dentine

PURPOSE

Used for additional moisture of dentine before applying the hydrophilic adhesive systems.

FEATURES

Moistening agent «DentLight»-aqua is an aqueous solution of hydroxyethyl methacrylate (HEMA), containing fluorinating additive and antiseptic (benzalkonium chloride).

«DentLight» -aqua keeps the dentin surface moist, preventing collagen fibres from collapsing and increasing their permeability to hydrophilic (acetone- or alcohol-containing) adhesive resins. «DentLight»-aqua moistens the surface of dentissuestin effectively and creates a zone of caries suppression in adjacent tooth .

PACKAGE

code	package	mass
00000009304	Liquid	5 ml



DENTLIGHT-gingival mass

Light-cured gum color composite



PURPOSE

Cosmetic correction of gingival margin recession with wedge-shaped defects in tooth neck area, as well as with gum retention:

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

FEATURES

Fluid composite «DentLight» gingival mass is a low viscosity light-cured paste based on methacrylate oligomers and modified fine-dispersed nanofiller. Radiopaque filler is a combination of modified bariumborosilicate clusters (0.1-3 µm) and nano-sized silica dioxide (5-75 nm).

The basis of «DentLight» microhybrid composite is a high-strength polymer matrix containing Bis-GMA, urethane and other oligomers, and a modified fine-dispersed inorganic filler (about 80 wt.%). The composite is cured by the light in the wavelength of 400-500 nm. Powdered radiopaque filler has a special multi-level distribution of the particle size from 0.02 to 0.7 µm, which allows achieving the best results due to combination of adaptability, stability and aesthetics of the material.

PACKAGE

code	package	mass
00000045731	Microhybrid composite Fluid composite	4,5 g 2 g

DENTLIGHT-modeling agent

Modeling liquid



PURPOSE

For wetting contouring tools and art brushes to facilitate work with highly filled composite materials.

FEATURES

«DentLight» modeling agent is a light-cured material containing methacrylate oligomers, polymerization activators, stabilizers, nanofiller, contains no solvent. «DentLight» -modeling agent helps to eliminate stickiness of uncured composite material to tools used, which helps to improve the adaptation of highly filled composites to hard tooth tissues, as well as in layer-by-layer composite application technique.

PACKAGE

code	package	mass
00000053101	Liquid	5 ml



DENTLIGHT-color-corrector

Light-cured
color-corrector



PURPOSE

Creating shades and toning various parts of composite restoration (incisal edge, cervical region, fissures, etc.).

FEATURES

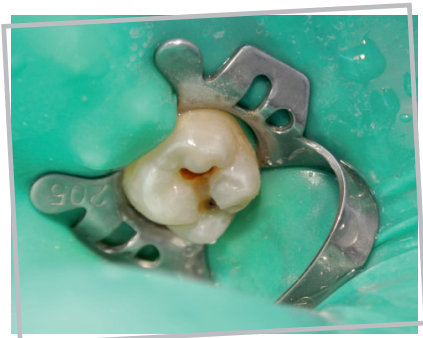
Color-corrector «DentLight» is a low viscosity intensely colored light-cured different colors composite paste that are compatible with all light-cured restoration composites.

Color-corrector «DentLight» can extend the color gamut of restorat.



USE

The sequential combination of different shades of composite material in the process of tooth restoration, color-corrector «DentLight» -color is applied between the layers of composite and cured for 40 seconds.



Initial pulpitis (before preparation)



Final restoration
(fissures are colored
by «DentLight» -color-corrector)

PACKAGE

code	package	mass
00000008906	Paste	
00000009301	White	1 ml
00000009302	Brown	1 ml
	Ochre	1 ml
00000055294	Set - 3 colors: (White, Brown, Ochre)	1 ml x 3 pcs



DENTLIGHT-Cor

Composite tooth stump restoration



PURPOSE

Tooth core restoration.

FEATURES

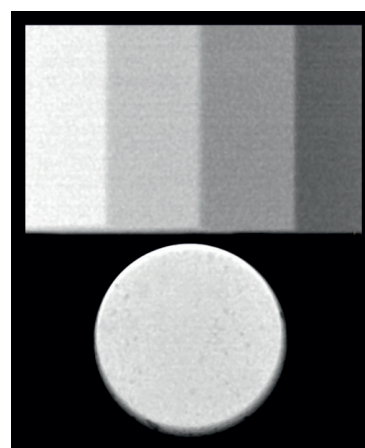
Dental material «DentLight»-Cor is a composite based on high-strength polymer matrix containing a multifunctional methacrylate oligomers and modified fine inorganic filler. Powdered radiopaque filler containing zirconium oxide has a special multi-level distribution of the particle size from 0.02 to 0.2 μm , which allows achieve the best results in combination of adaptability, durability and aesthetic of material.

Composite «DentLight»-Cor has a dual-curing mechanism (chemical and light) and is produced in the form of two pastes (basic and catalytic). Basic paste can be used independently as a light-cured composite.

Properties of «DentLight»-Cor

Working time		2-2,5 min
Setting time		4-5 min
Setting depth (by radiation intensity 600 mW/cm ²)	20 sec	3 mm
	40 sec	3,7 mm
Sensitivity at 10000 lux illumination		150 sec
Compressive strength		280 MPa
Diametric strength		50 MPa
Flexural strength		115 MPa
Modulus of elasticity		13,5 GPa
Volume shrinkage		1,7%
Radiopacity		Equivalent 3,0 mm Al

Sample «DentLight»-Cor thickness 2 mm



Aluminum plate (purity 99,5%)

PACKAGE

code	package	mass
00000032603	Base paste	4,5 g
	Catalytic paste	4,5 g



COMPOCEM

Two component
chemically-cured
composite material



Material «Compocem» is available in set:

- powder-liquid;
- paste-paste.

PURPOSE

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

FEATURES

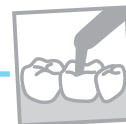
«**Compocem**» (**powder-liquid**) is a two-component composite material. The powder features fine silanized filler, colored with pigments and containing initiator of hardening; the liquid contains bisphenol glycidyl methacrylate, triethyleneglycol dimethacrylate, polymerization activator. «Compocem», which refers to composite materials possess several specific properties, which advantageously 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).

The presence of powders of different colors in the set (A2, A3, B2, C2 on VITA scale) allows to select the material, maximally close to optical characteristics to natural tooth tissues.

Composite material «Compocem» has the following properties:

bending strength	no less 70 MPa
diametrical tearing strength	no less 34 MPa
adhesive strength in connection to the dental hard tissue	no less 7 MPa
water absorption	not more 50 mkg/mm ³
water-soluble	not more 5 mkg/mm ³



«Compocem» (paste-paste) is a composite based on methacrylate oligomers (bis-GMA, TEG-DMA) and modified fine-dispersed inorganic filler base (up till 80% of the volume).

«Compocem» is produced in the form of two pastes (basis and catalytic) of different shades on VITA scale (A2, A3, B2). Obtained in the result of mixing in equal volumes of pastes, the filling material possess high stability, high mechanical strength and low solubility in oral liquid, durability for abrasion. The chemical-cured adhesive included in the set provides a perfect marginal seal.

PERFORMANCES

- **curing time** – not more 5 min;
- **working time** – not less 1,5 min;
- **can be polished to a «mirror shine» finish.**



Before restoration



After restoration

PACKAGE

code	package	mass
00000013443	Powder A2	40 g
	A3	10 g
	B2	10 g
	C2	10 g
	Liquid	26 g
	Gel for enamel etching	7 g x 2 pcs

code	package		mass
00000032604	Shade A2	Basic paste	14 g
00000032605	Shade A3	Catalytic paste	14 g
00000032606	Shade B2	Gel for enamel etching	5 ml
		Adhesive (liquid №1)	5 ml
		Adhesive (liquid №2)	5 ml
00000032607	Shade A2	Basic paste	28 g
00000032608	Shade A3	Catalytic paste	28 g
00000032609	Shade B2	Gel for enamel etching	5 ml
		Adhesive (liquid №1)	5 ml
		Adhesive (liquid №2)	5 ml



TEMPOPHOT

Light-cured composite
for temporary filling



PURPOSE

- as temporary filling material;
- treatment of dental caries, including covering of the medical material in the tooth cavity;
- closing the cavities prepared for the reconstruction of ceramic or composite inlays/onlays;
- germination of abutment shafts before cement fixation.

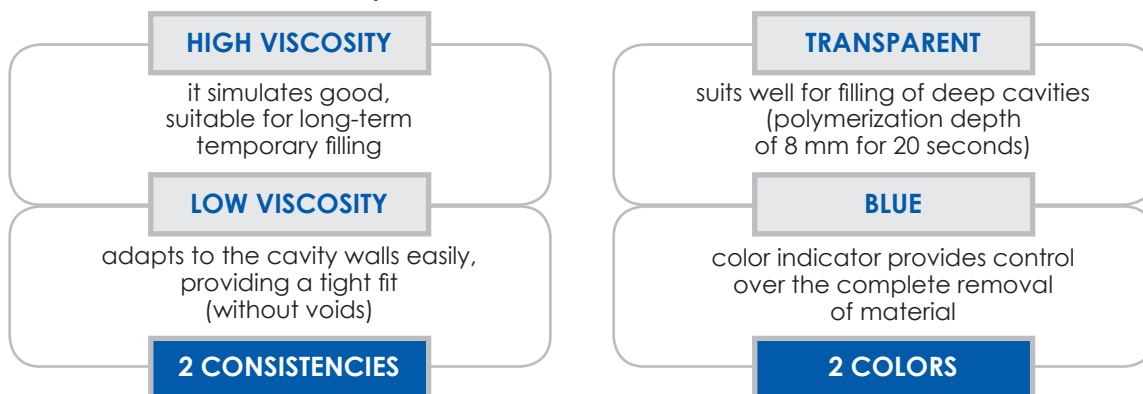
FEATURES

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

Material «TempoPhot» is produced as paste (**transparent** and **blue**) which consists of: light cured activators; stabilizers; technological additives for optimal consistency; antibacterial agent (chloride benzalkonium), which has microbostatic and microbicidal effect on bacteria and candida.

Cured material «TempoPhot» has balanced properties of hardness and elasticity, which ensures the stability of the seals on the period of temporary filling, and allows to remove material from the cavity by the hand tool (without drilling) easily and without residue.

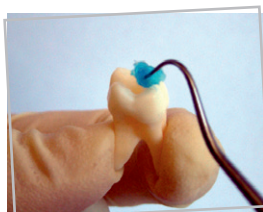
Paste «TempoPhot» is available in 2 consistencies and 2 colors:



APPLICATION



Easy to apply



Easy to remove
(without damage to the prepared teeth)



Used as a liquid kofferdam

PACKAGE

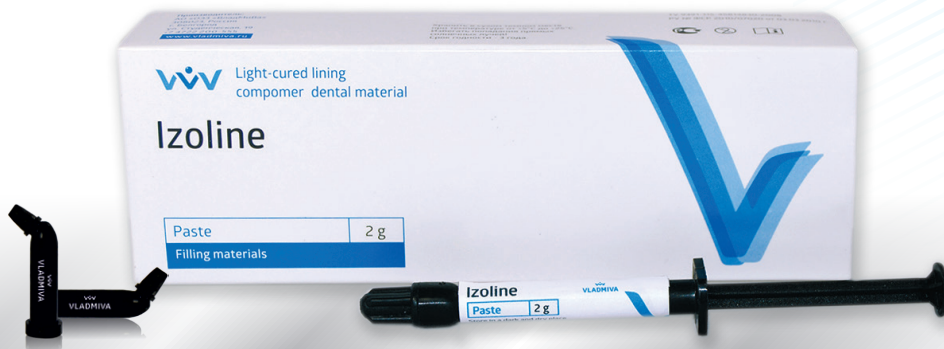
code	package	mass
00000041024	Low-viscosity: Paste Transparent	1,5+1,5 g
00000041025	Paste Blue	1,5+1,5 g
00000052329	Paste Transparent	0,25 g x 20 pcs
00000052330	Paste Blue	

code	package	mass
00000009196	High-viscosity: Paste Transparent	3 g
00000041093	Paste Blue	3 g
00000052569	Paste Transparent	0,25 g x 20 pcs
00000000000	Paste Blue	



IZOLINE

Lining compomer material



PURPOSE

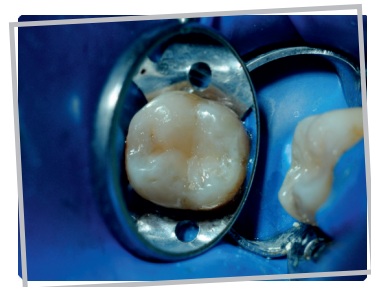
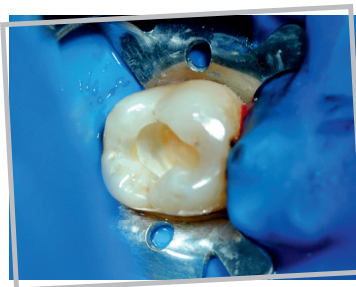
As a lining (indirect isolation of a pulp) under composite restorations.

FEATURES

«Izoline» is one-component light-cured radiopaque compomer material containing hydroxyapatite, glass ionomer filler, polymeric binder, initiators and activators of polymerization.

«Izoline» possesses fluoro-release, stability and low solubility, thermal insulation properties, and also chemical affinity to polymeric materials which provides a high degree of coupling with composites. «Izoline» allows compensating the internal pressure arising during polymerization shrinkage of composite materials. Controlled short curing time and nozzles for direct application create additional convenience in use

APPLICATION



PACKAGE

code	package		mass
00000010402	Paste-syringe	A2	2 g
00000066231		A3	
00000010402	Paste-capsules	A2	0,33 g x 20 pcs
00000066231		A3	



PURPOSE

Root post constructions for strengthening and restoration of the crown part of the pulpitis teeth before prosthetics.

FEATURES

The «Armodent» set includes: silanised glassfiber pins;

- drills 4 grans;
- dual-curing composite cement;
- one-component adhesive;
- etching gel.

Silanised glassfiber pins «Armodent»:

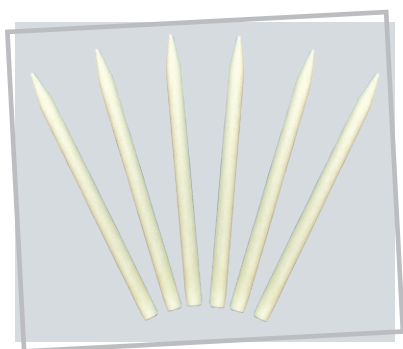
- They are characterised by their strength, durability, prudence and light transmittance and radiopacity;
- With a modulus of elasticity close to that of dentine, they ensure an even distribution of external forces in the post-tissue system; reduce the risk of tooth splitting;
- have micromechanical adhesion to the composite, due to the rough surface of the fibres, and chemical adhesion, due to the chemical affinity of the oligomeric matrix of the pins to the composite material;
- do not change the colour of composite restorations and all-ceramic restorations;
- easy to use, can easily be removed from the root canal in case a second endodontic treatment is needed.

Dual-curing composite cement «Compofix» has low solubility, sufficient strength, adhesion to the dental hard tissue and the surfaces of various prosthetic structures.

One-component adhesive «DentLight» ensures that the composite material adheres to the dental hard tissue.

Organic-based etching gel has optimum flowability, removes the lubricated layer by opening the dentinal tubules for 30 seconds during dentin treatment (which ensures better adhesion of the restorative material to the root canal dentin) and is completely rinsed away with water.

Application of the «Armodent» set allows to create a solid monolithic support for the restoration structure.



Glassfiber pins



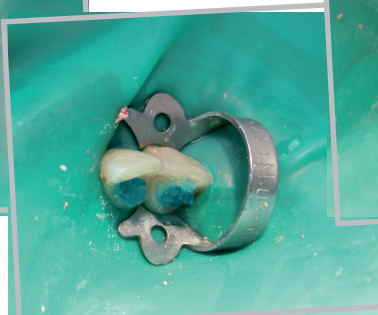
Drill four-sided

«Armodent» posts made of glass fibres bonded with Bis-GMA methacrylate oligomer and reinforced with pyrogenic silicon dioxide.

Glassfiber pins allow a secure support for the restorative structure. The chemical affinity of the oligomeric matrix of the pins to composite materials promotes adhesion and ensures a monolithic restoration.



Pulpless teeth



Etching of root canals



Fixation of pin



Final result

PACKAGE

code	package	mass
00000008909	Set:	
	Glassfiber pins (d - 1,0;1,2;1,4 mm)	6 pcs x 3
	Drill (d - 1,0;1,2;1,4 mm)	1 pcs x 3
	Compofix paste:	
	Basic (A2)	3,5 g
	Catalytic	3,5 g
	One-component adhesive	5 ml
	Etching gel on organic base	3 ml

code	package	mass
00000008910	Glassfiber pins L - 20 mm (d - 1,0 mm)	10 pcs
00000008911	Glassfiber pins L - 20 mm (d - 1,2 mm)	10 pcs
00000008912	Glassfiber pins L - 20 mm (d - 1,4 mm)	10 pcs
00000068649	Drill four-sided (d - 1,0 mm)	6 pcs
00000068650	Drill four-sided (d - 1,2 mm)	6 pcs
00000068651	Drill four-sided (d - 1,4 mm)	6 pcs



PURPOSE

- over- and in-crown fixation (splinting) of movable teeth;
- tooth retention to consolidate orthodontic treatment;
- tooth immobilization in case of traumatic dislocation or subluxation;
- defects dentition replacement by direct method;
- making of adhesive prostheses and splinting constructions by indirect method (in dental laboratory);
- restoration of tooth crown part.

FEATURES

The composition of «Armosplint» set includes fiberglass, liquid for fiberglass wetting, liquid composite «DentLight»-flow, adhesive system «Belabond».

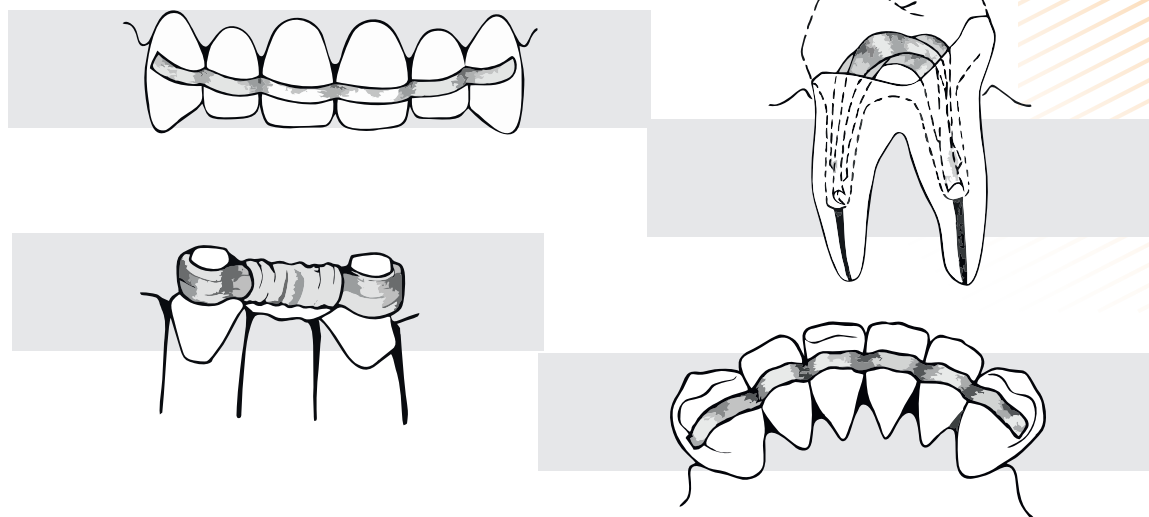
Fiberglass «Armosplint» is a strip or cord of special high-module weaving.

Fiberglass «Armosplint» possesses many specific properties:

- due to its flexibility, it adapts well to the irregularity of tooth surface;
- can be used in combination with any liquid composite;
- able to be polished at accidental exposure from composite thickness;
- moisture resistant;
- possesses the same transparency as a composite, which avoids problems with color imitation during restoration (breaks no aesthetic properties of a composite), in some cases it can perform as an opaquer;
- requires no special storage conditions, work in special gloves and use of any special tools;
- can be cut with ordinary sharp scissors, it is not untwined;
- measured using a measuring probe or soft aluminum foil applied to prospective tire;
- it is soaked well with a special liquid for wetting, which allows achieving a strong connection of fiberglass with a composite.

«DentLight»-flow fluid composite is a low-viscosity light-curing paste of different colors according to VITA scale (A2, A3, A3.5, B2, C2, OA3, half-transparent/cutting edge) based on polymer binder and a modified fine-dispersed filler. With its optimal flowability, the composite can easily adapt to the cavity walls. The fluid composite «DentLight»-flow is compatible with all light-cured composites and compomers which makes it universal in cases of the necessary combination of materials. The fluid composite is applied after applying adhesive system.

Adhesive system «Belabond» consists of primer and adhesive, designed to create a strong connection of the composite with tooth tissues. The primer completely wets dentin surface and easily penetrates dentinal tubules due to multifunctional hydrophilic oligomers. The adhesive, along with hydrophilic molecules, contains polymerizable resins that provide a chemical bond with the composite.



The manufacturing and fixation technology of fiberglass adhesive structures has its advantages, such as:

- fast and simple technique;
- sparing preparation of hard tooth tissues;
- construction aesthetics (full imitation of natural tooth tissues color) due to fiberglass transparency;
- the formation of strong structure of adhesive construction due to micromechanical retention and chemical adhesion of reinforcing strip to a composite material;
- the possibility of repairing and manufacturing construction in oral cavity in one visit.



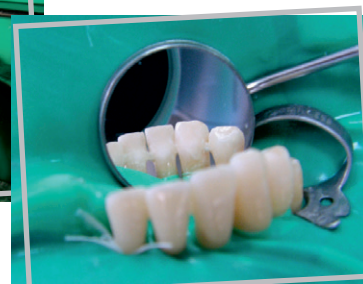
Teeth processing
to splinting



Teeth preparation
to glassfiber strip



Fixation of glassfiber
strip «Armosplint»



Result after fixation
of glassfiber strip

PACKAGE

code	package	mass
00000054948	Fiberglass:	
	Strip (90x2x0,25) mm	1 pcs
	Strip (90x3x0,25) mm	1 pcs
	Cord (90x1,0) mm	1 pcs
	Cord (90x1,5) mm	1 pcs
	Liquid composite A2	2 g
	Primer for dentine	5 ml
	Adhesive	5 ml
	Etching gel on organic base	1 ml
	Liquid for wetting	5 ml

code	package	mass
00000054711	Strip (90x2x0,25) mm Liquid for wetting	3 pcs 5 ml
00000000000	Strip (900x2x0,25) mm	1 pcs
00000054936	Strip (90x3x0,25) mm Liquid for wetting	3 pcs 5 ml
00000000000	Strip (900x3x0,25) mm	1 pcs
00000054937	Cord (90x1,0) mm Liquid for wetting	3 pcs 5 ml
00000000000	Cord (900 x 1,0) mm	1 pcs
00000054938	Cord (90x1,5) mm Liquid for wetting	3 pcs 5 ml
00000000000	Cord (900 x 1,5) mm	1 pcs
00000054939	Балка (30 x 2 x 1,0) mm Liquid for wetting	3 pcs 5 ml



PURPOSE

Is used for fixing of:

- metal and porcelain fused metal crowns and prosthetic bridges;
- stump inlays made of metal alloys, ceramics and composites;
- veneers made of ceramics, porcelain, composites.

FEATURES

«CompoFix» cement consists of methacrylate oligomers, inorganic fine-dispersed filler, chemical and light-cured activators and stabilizers.

«CompoFix» material is a double-cured composite material (chemical and light), available in the form of two pastes (basic and catalytic) of different colors (A2, A3, A3,5, B2, C2 according to VITA scale).

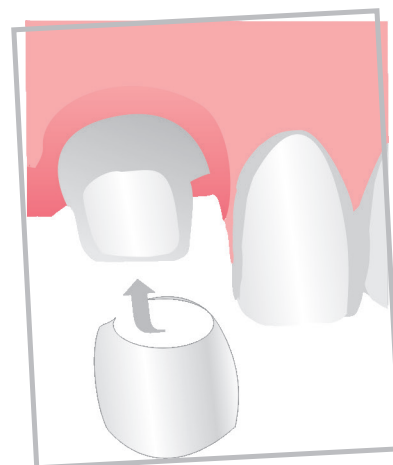
Obtained by mixing equal amounts of pastes, composite cement cures in a short time with the formation of a durable material with adhesion to hard tooth tissues and surfaces of various orthopedic constructions, possesses optimal hardness and compressive strength, low solubility and erosion resistance, fluoride release.

It has the following characteristics:

- working time — 2-2,5 min.
- setting time by $t=37^{\circ}\text{C}$ – 4 min.
- setting time by photopolymerization – 40 sec.
- film thickness — less than 25 μm .
- flexural strength — 85 Mpa.

«CompoFix» allows the use in orthopedic practice, the benefits of adhesive systems and get an excellent aesthetic result when fixing modern ceramic constructions (crowns, inlays, onlays, veneers) with sufficient clarity. Optimal fluidity of material «CompoFix» provides easy set of construction.

Included adhesive system and silane allow you to create a strong bond with the composite cement and tooth hard tissues and surface of various orthopedic constructions.



PACKAGE

code	package	mass
00000004870	A2	Set:
00000026069	A3	Basic paste
00000026070	A3,5	Catalytic paste
00000026071	B2	Adhesive
00000026072	C2	Primer
		Silane
		Etching gel for enamel
		5 ml

code	package	mass
00000048915	Basic paste A2 Catalytic paste	6,0 g 6,0 g
00000045470	Automix: Basic paste A2 Catalytic paste	6,0 g + 6,0 g
00000058126	Basic paste A2 Catalytic paste	



PURPOSE

Making temporary crowns, bridges, inlays and onlays.

FEATURES

«Tempocor» is polymer composite material based on multifunctional methacrylates and produced as 2 pastes (basic and catalytic). As a result by mixing of equal amounts of pastes is composite cement which cured for a short time (during 5-9 min) with the formation of a durable material.

«Tempocor» is produced 5 colors according to scale VITA (A2, A3, A3.5, B2, C2).

Advantages:

- high fracture toughness;
- perfect polishing, high color stability;
- resistant to abrasion;
- accurate marginal fit;
- does not emit monomers and does not overheat teeth;
- form construction is easily corrected with fluid composite.

The material is easy to use:

0:00–0:45 min — applying material in the mouth;

0:45–3:00 min — setting and removal from the mouth;

7:00–9:00 min — full setting and finish processing.



PACKAGE

code	package	mass
00000025914	Set:	
	Basic paste	
	Shade A2	3,5 g x 2
	Shade B2	3,5 g x 2
00000057028	Shade A3	3,5 g x 2
	Catalytic paste	3,5 g x 6
00000061748	Automix:	
	Basic paste A2	6,0 g + 6,0 g
	Catalytic paste	

code		package	mass
00000024320	A2	Basic paste	3,5 g
		Catalytic paste	3,5 g
00000024321	A3	Basic paste	3,5 g
		Catalytic paste	3,5 g
00000018845	A3.5	Basic paste	3,5 g
		Catalytic paste	3,5 g
00000024322	B2	Basic paste	3,5 g
		Catalytic paste	3,5 g
00000025917	C2	Basic paste	3,5 g
		Catalytic paste	3,5 g



PURPOSE

Permanent filling of root canals of all tooth groups.

FEATURES

«Compocem-Endo» material is radiopaque fluid composite on the basis of multi-functional metacrylic oligomers and nanostructural hydroxyapatite, refers to the dual-cure composite (chemical and light) and is produced in the form of two pastes (basic and catalytic).

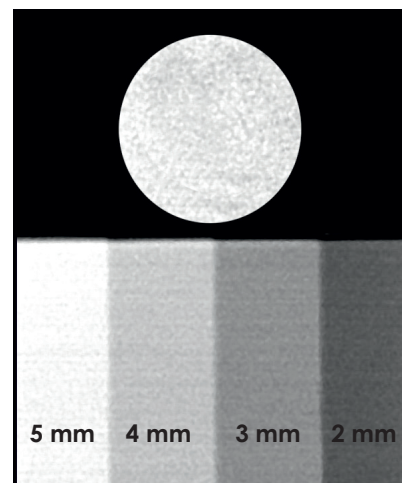
The working time of the material is 10-15 min. The curing time of the material is 15-20 min at the temperature of +37°C.

«Compocem-Endo» material can be used with pins.

Characteristics of «Compocem-Endo»

Working time	10-15 min
Setting time (by 37°C)	15-20 min
Setting depth (in 30 sec by radiation intensity 600 mW/cm ²)	0,5 mm
Sensitivity at 10000 lux illumination	180 sec
Film thickness	25 mkm
Fluidity	25 mm
Solubility	0,5%
Radiopacity	Equivalent 3,0 mm Al

Sample «Compocem-Endo»
thickness 1 mm



Aluminum plate (purity 99,5%)

PACKAGE

code	package	mass
00000032610	Basic paste Catalytic paste Primer	3,5 g 3,5 g 5 ml



«KALEIDOSCOPE» series - the material for pediatric dentistry

Chemical-cured hermetic for fissures



PURPOSE

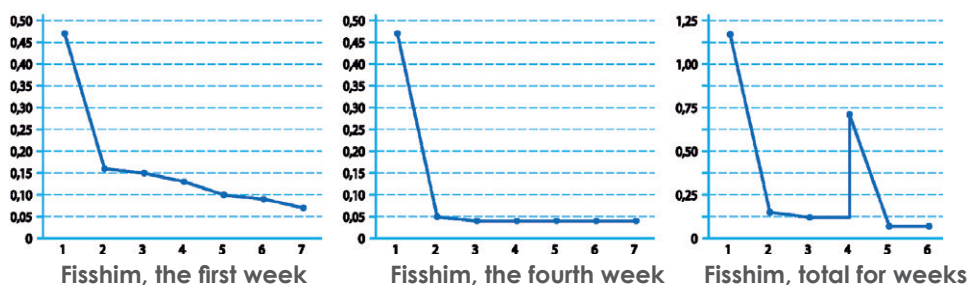
Being the material of exogenous prophylaxis of occlusal caries of temporary and permanent teeth, it is used for fissures sealing and other anatomical sockets of intact teeth and for isolating areas sensitive to caries damage.

FEATURES

«Fisshim» chemically cured sealant is a composite based on an organic binder and silanized finely dispersed quartz filler. «Fisshim» consists of two pastes: **basic** and **catalytic**. The fluorine-containing components included in the sealant provide a carious-protective effect.

«Fisshim» is produced in different colors (white, blue, red, yellow и green with shimmering effect). Color sealants are easy to apply and visually control during sealing and subsequent inspections. A bright color palette helps to gain the trust of a small patient, allowing him to participate in the treatment process when choosing the color of the sealant. The food colors included in the sealant correspond to international standards and are not washed out of the cured material.

Dynamics of fluoride release (mcg-cm²)



PACKAGE

code	package	mass
00000022950	Basic paste:	
	Yellow	3 ml
	Green	3 ml
	Blue	3 ml
	Red	3 ml
	Catalytic paste	3 ml x 4 pcs
	Gel for enamel etching	5 ml

code	package	mass
00000001566	Basic paste White Catalytic paste Gel for enamel etching	3 ml 3 ml 5 ml
00000025846	Basic paste Yellow Catalytic paste Gel for enamel etching	3 ml 3 ml 5 ml
00000025847	Basic paste Green Catalytic paste Gel for enamel etching	3 ml 3 ml 5 ml
00000025848	Basic paste Blue Catalytic paste Gel for enamel etching	3 ml 3 ml 5 ml
00000025849	Basic paste Red Catalytic paste Gel for enamel etching	3 ml 3 ml 5 ml



Series «KALEIDOSCOPE»
the material for pediatric
dentistry

Light-cured
hermetic for fissures



PURPOSE

Sealing fissures and sockets in intact teeth.

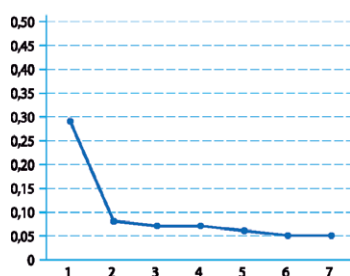
FEATURES

«Fissulight» sealant is a light-curing one-component, low-viscosity, resistant to abrasion composite material containing fluorinating components that provide a carious-protective effect.

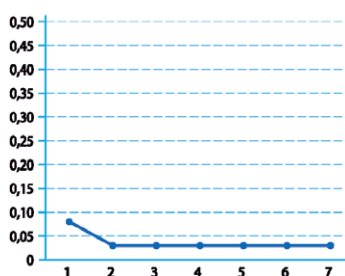
«Fissulight» sealant is available in the form of a paste (white, transparent and color with shimmering effect). The use of transparent paste is preferred in cases of early carious fissures and allows you to control the condition of the enamel under a transparent layer of sealant. Color sealants are easy to apply and visually control during sealing and subsequent inspections. A bright color palette (6 colors) helps to gain the trust of a small patient, allowing him to participate in the treatment process at choosing the color of the sealant. Food colors included in the sealant correspond to international standards and are not washed out of the cured material. Light cured sealant saves time. Syringes with nozzles for direct use make it possible to easily and accurately apply the sealant to the prepared fissure.

An etching gel on organic basis contains a bactericidal substance (benzalkonium chloride), which eliminates the possible sensitivity associated with bacterial contamination of the surface of a treated tooth. Benzalkonium chloride has a microbostatic and microbicidal effect on gram-positive and gram-negative bacteria and candida.

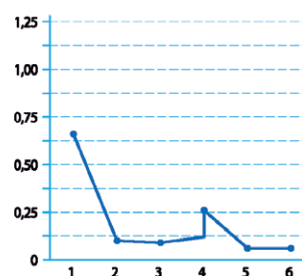
Dynamics of fluoride release (mcg-cm²)



Fissulight, the first week



Fissulight, the fourth week



Fissulight, total for weeks

PACKAGE

code	package	mass
00000000127	Paste White	1 ml
	Paste Transparent	1 ml
	Gel for enamel etching on organic base	1 ml
00000008917	Set 7 colors: Paste Transparent, White, Golden, Orange, Red, Green, Blue	1 ml x 7 pcs
	Gel for enamel etching on organic base	3 ml

code	package	mass
00000008918 00000010401 00000010043 00000010042 00000010040 00000010045 00000010044	Paste-syringe: White	1 ml
	Golden	1 ml
	Orange	1 ml
	Red	1 ml
	Green	1 ml
	Blue	1 ml
	Transparent	1 ml
00000051781 00000052568 00000052567 00000052565 00000052598 00000052566	Paste-capsules: White	0,25 g x 20 pcs
	Golden	0,25 g x 20 pcs
	Orange	0,25 g x 20 pcs
	Red	0,25 g x 20 pcs
	Green	0,25 g x 20 pcs
	Blue	0,25 g x 20 pcs



Hermetic for microinvasive treatment



PURPOSE

- microinvasive treatment of superficial caries with localisation of the carious defect within the enamel surface (contact, vestibular);
- treatment of caries in the «white spot» stage, as well as after braces have been removed.

FEATURES

The «Fissulight» set includes:

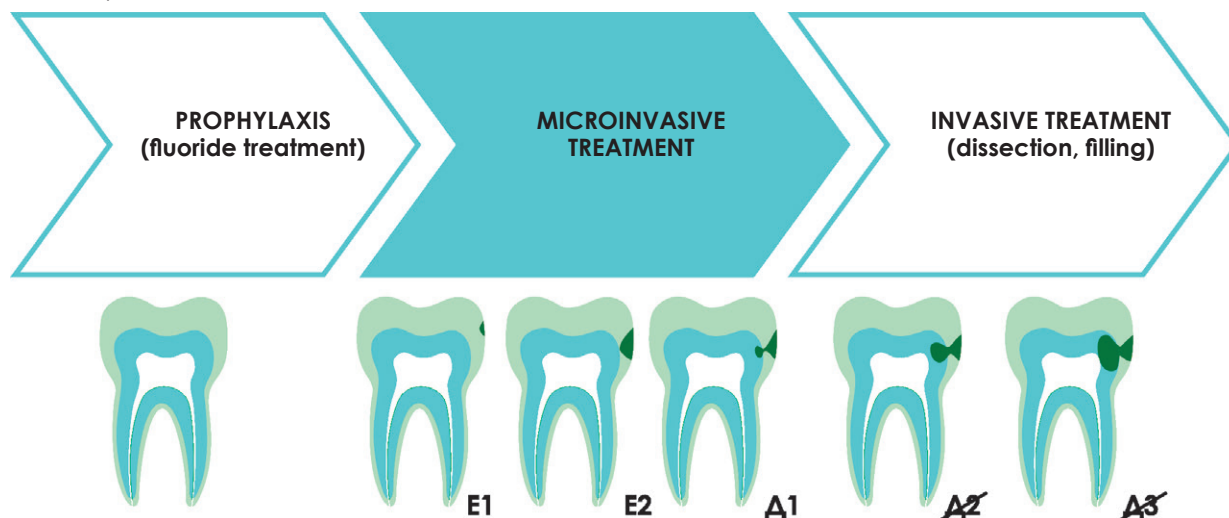
- «Belagel-R» gel based on hydrochloric acid (15%);
- conditioner containing ethanol;
- one-component light-curing, low-viscosity transparent sealant with high penetrating capacity.

The sealing method is based on closing the carious pores of the enamel, which helps to restore its integrity with maximum preservation of healthy tooth tissues, providing increased resistance to acidic environment and halting the further development of caries. The enamel surface must be dried thoroughly when using the sealant.

When using the Fissulite set, TempoPhot liquid cofferdam can be used to treat carious lesions on vestibular surfaces.

Advantage:

- removes the effects of fixed orthodontic appliances (braces);
- preserves healthy tooth tissues as much as possible;
- stops the progression of cavities;
- improves the aesthetics of the smile.



PACKAGE

code	package	mass
00000067840	Transparent sealant	3 ml
	Conditioner	5 ml
	Gel «Belagel-R»	3 ml



PURPOSE

Providing a strong connection (adhesion) of light cured composite materials with hard tooth tissues. It can be used in combination with any light cured composite materials.

FEATURES

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

The water-based **primer** completely moistens the dentin surface and easily penetrates dentinal tubules. The hydrophilic phosphorus-containing oligoethermethacrylate, included in the primer, promotes the formation of chemical bonds with tooth tissues and the formation of retentional polymer strands in dentinal tubules.

Adhesive containing oligoethermethacrylate resins, during polymerization, forms a chemical bond with the primer and the composite.

«Belabond» adhesive system provides strong linkage and perfect marginal seal due to chemical adhesion during restoration of the anatomical shape of the tooth.

PACKAGE

code	package	mass
00000013231	Primer Adhesive Gel for enamel etching	5 ml 5 ml 5 ml



ONE-COMPONENT LIGHT-CURED ADHESIVE SYSTEM

contains methacrylate oligomers (HEMA, PMDM, UDMA), nanofiller, polymerization activators, stabilizers, solvents.

The adhesive has the properties of a desensitizer, completely moistens the surface of the dentin and easily penetrates dentinal tubules. Polyfunctional monomers that make up the adhesive contribute to the formation of chemical bonds with tooth tissues and the formation of retentional polymer strands in dentinal tubules.

PACKAGE

code	package	mass
00000001318	Adhesive	5 ml



SELF-ETCHING LIGHT-CURED ADHESIVE

contains methacrylate oligomers (HEMA, UDMA), polymerization activators, stabilizers, solvents.

The adhesive does not require preliminary acid etching of the tooth surface. Possessing good wetting properties, the self-etching adhesive easily penetrates the surface "smeared" layer of dentine, partially dissolving it. Polyfunctional monomers that make up the adhesive contribute to the formation of chemical bonds with tooth tissues and the formation of retentional polymer strands in dentinal tubules. Due to the simultaneous process of conditioning and diffusion, the infiltration of monomers exactly corresponds to the depth of mineralization.

PACKAGE

code	package	mass
00000013233	Adhesive	5 ml



Light-curing adhesive thermochromic



PURPOSE

Adhesive for attaching metal or ceramic braces to the tooth enamel during orthodontic treatment.

FEATURES

One-component light-curing «Belabond»-Ortho adhesive contains methacrylate oligomers, nano fillers, polymerisation activators, stabilisers, solvents

Advantags:

- secure fixation of metal and ceramic braces;
- short polymerisation time;;
- colour-shifting promotes better removal of excess material;
- easy cleaning of the teeth after removal of the braces.

Convenient to work with



Applying Adhesives to the brace

Colour control during temperature changes



Sample of «Belabond - Ortho» at 25°C
(room temperature)



Sample of «Belabond - Ortho» at 33°C
(oral temperature)

PACKAGE

code	package	mass
00000056118	Paste	4 g x 4 pcs
	Primer	5 ml
	Liquid for etchnng	10 ml



PURPOSE

Providing of strong adhesion of chemically cured composite materials with hard tooth tissues.

FEATURES

«Belabond» is a composition of two liquids (catalytic and basic) and contains methacrylate oligomers, polymerization activators, stabilizers.

Adhesive possessing high chemical affinity both to polymeric materials and tooth tissues, provides perfect marginal seal during the restoration of the anatomical shape of the tooth.

PACKAGE

code	package	mass
00000001729	Liquid №1 Liquid №2 Gel for enamel etching	5 ml 5 ml 5 ml



PURPOSE

- isolation of fillings made of composites and glass ionomer cements from moisture action;
- elimination of small defects and surface porosity.

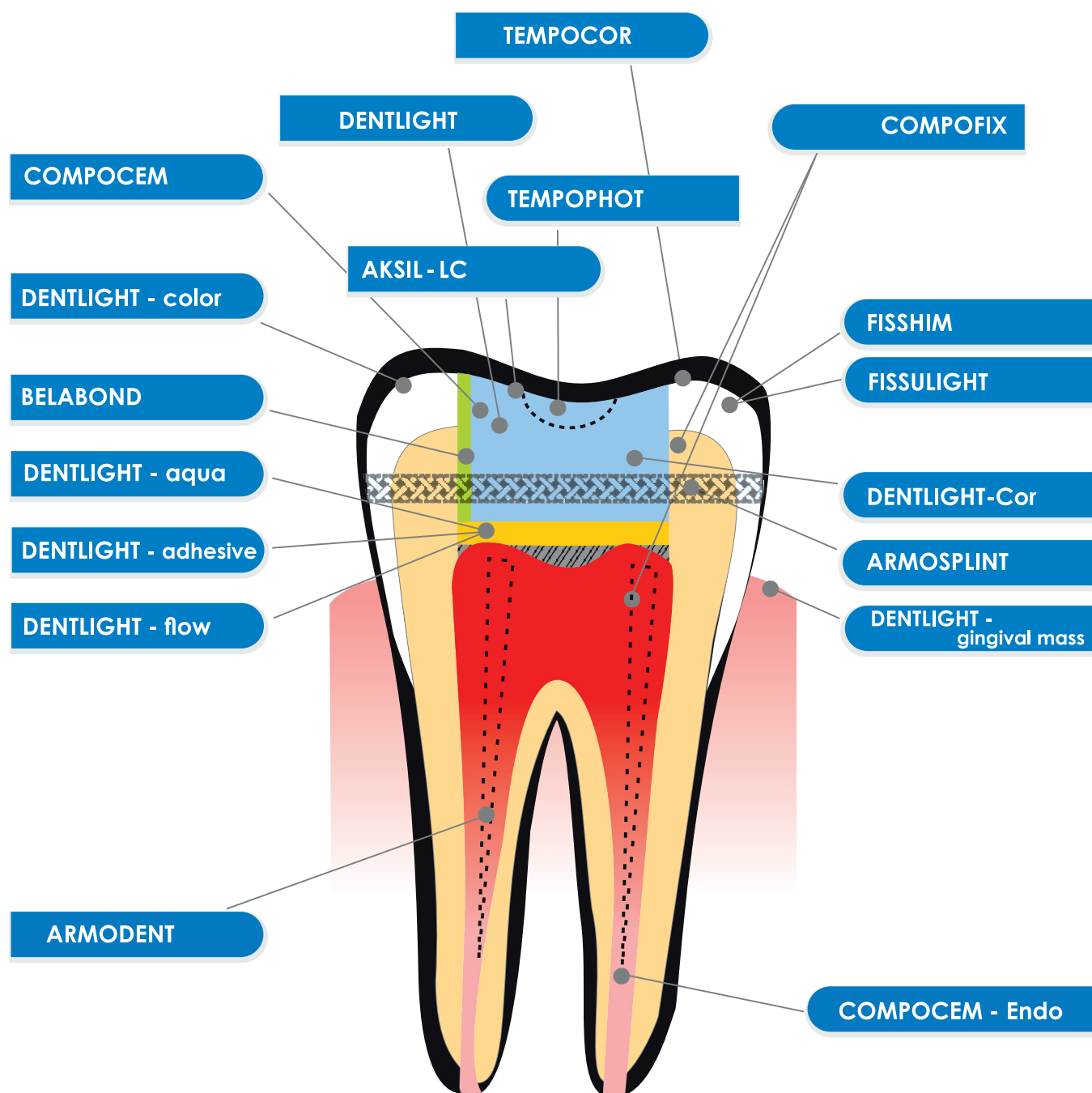
FEATURES

The composition of «Aksil»-LC varnish includes oligoestermethacrylate resins, solvent, initiators and stabilizers.

«Aksil»-LC features good adhesion to filling materials, quickly cures under the action of curing light and forms a thin film that protects the glass ionomer or composite from moisture action during curing (at least 24 hours).

PACKAGE

code	package	mass
00000001729	Varnish	5 ml



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