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DEAR COLLEAGUES!

Even in ancient times, people realized the necessity to replace lost teeth. Manufacturing of dental prostheses was first attempted before the Common Era Modern orthopaedic dentistry includes diagnosis, prosthetics and prevention of dental diseases by delivering various dental prostheses.

Objectives of orthopaedic dentistry:

- restoring integrity of dental crowns, dental rows, treatment of various maxillofacial defects;
- correcting abnormalities and deformations of teeth and dental rows for functional and aesthetic rehabilitation of the dental system.

These tasks are solved in cooperation with a prosthodontist in the clinic and with a dental technician in the dental laboratory

The quality of dental models and restaurations primarily depends on their composition. Even the most sophisticated equipment and experienced hands of a dental technician are not able to deliver a high-quality and aesthetically adequate product from a low-quality material. That is why dental materials can reasonably be named as the key to successful dental prosthetics.

In this catalogue, we offer to prosthodontists and to dental technicians both classical and modern designs created by **«VladMiVa»** holding that structurally unites such successful innovation enterprises as **«Polymer-Dentistry»** and **«The Factory of Dental Materials»**. Continuous innovation-based improvement of our products responds to professional requirements of specialists. Meticulous control ensures their quality at the highest level.

A wide assortment presented in the catalogue will enable you to choose materials necessary for your activity. Due to our diligent price policy, you will also be able to take advantage from optimal ratio between high quality and reasonable price.



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BELACRYL Polymer material for denture bases

> Produced in the following versions BELACRYL- M (methyl methacrylate) - precursor resin; BELACRYL- E (ethyl methacrylate) - non-precursor resin.

PURPOSE

HC is a heat-curing base material intended to produce bases for removable dentures - full and partial.

SC is a self-curing base material intended for repairs and rebasing of removable dentures, as well as to produce and repair orthodontic and orthopaedic appliances and structures.

FEATURES

«Belacryl» base materials are produced in the form of two components -**powder** containing methacrylic acid polyesters and a polymerization reaction catalyst - benzoyl peroxide, and a **liquid** containing monomer methyl methacrylate **(M)** and/or monomer ethyl methacrylate**(E)**, which, when mixed, form a polymer that hardens when heated (heat-curing) - **HC** or without heating (self-curing) -**SC**.

«Belacryl» materials are distinguished by their high workability, simplicity and speed of manufacturing items with high quality, functional durability, natural appearance and biocompatibility.

Resins produced from Belacryl base materials have smooth, solid, shining and colourless or evenly coloured pink surfaces (with or without streaks), which are easy to polish, stable in colour and have no porosity. The resin is not toxic, it is biologically inert to oral cavity tissues, it has low water absorption and water solubility.

«Belacryl» base materials are produced in four different colours:

- colourless resin without streaks;
- transparent pink resin (with or without streaks);
- semi-transparent pink resin (with or without streaks);
- opaque pink resin (with or without streaks).



We recommend using colourless resins, primarily in production of dental prostheses for patients with individual intolerability to pigments contained in the base materials. Transparent or semi-opaque pink resin is most suitable for production of complete removable dentures, and opaque pink resin - for production of bases for bugel dentures.

name	code	package	volume	
name	00000440000	package	150	
M	0000044903	LIQUIA	150 mi	
liquid	00000046949	Liquid	1.0 L	
M HC	00000044902	Liquid	150 ml	
liquid	00000043522	Liquid	1.0 L	
M SC	00000044869	Liquid	150 ml	
liquid	00000043417	Liquid	1.0 L	
	М	HC resin		
colourloss	00000045540	Powder	300 g	
COLOULIESS	0000000000	0000000000 Powder		
	0000043379	Powder	300 g	
transparent	00000043377	Liquid	150 g	
	00000000000	Powder	300 g	
somi	00000045532	Powder	300 g	
transparent		Liquid	150 g	
nansparenn	00000000000	Powder	300 g	
	00000045531	Powder	300 g	
opaque		Liquid	150 g	
	00000000000	Powder	300 g	
M SC resin				
		Powder	300 g	
semi-	00000043377	Liquid	150 g	
transparent		Isolating varnish	50 g	
	00000043523	Powder	300 g	

name	code	package	volume	
E HC	00000043526	Liquid	150 ml	
liquid	00000043527	Liquid	1.0 L	
E SC	00000043529	Liquid	150 ml	
liquid	00000043530	Liquid	1.0 L	
	Eŀ	IC resin		
colourless	00000046676	Powder Liquid	300 g 150 g	
	00000043525	Powder	300 g	
transparent	00000046675	Powder Liquid	300 g 150 g	
	0000000000	Powder	300 g	
semi-	00000046221	Powder Liquid	300 g 150 g	
transparent	0000000000	Powder	300 g	
opaque	00000043381	Powder Liquid	300 g 150 g	
	0000000000	Powder	300 g	
	ES	SC resin		
semi- transparent	00000043378	Powder Liquid Isolating varnish	300 g 150 g 50 g	
	00000043528	Powder	300 g	
RC № RZN 2015/2736 dated 28.02.2018				

BELACRYL – ortho

Polymer material for orthodontic appliances

PURPOSE

Making and repairs of orthodontic appliances and structures

FEATURES

The material is manufactured in the form of two components - a powder containing methacrylic acid polyesters and a polymerization reaction catalyst - benzoyl peroxide and a liquid containing monomer methyl methacrylate which, when mixed, form a polymer. If necessary, the polymer may be coloured blue, red and/or yellow by using dye concentrates.



PACKAGE

code	package	volume		
	Liquid	250 ml		
00000055223	Powder	500 g		
	Blue concentrate	12 ml		
	Red concentrate	12 ml		
	Yellow concentrate	12 ml		
RC № RZN 2015/2736 dated 28.02.2018				

BELACRYL - R

Polymer material for making of orthodontic appliances

PURPOSE

Making of orthodontic appliances, dental prostheses, repairs and rebasing of removable dentures.

FEATURES

«Belacryl»-R is manufactured in the form of two components - a powder containing methacrylic acid polyesters and a polymerization reaction catalyst - benzoyl peroxide and a liquid containing monomer methyl methacrylate which, when mixed, form a polymer. If necessary, the polymer may be coloured blue, red, pink, green and/or yellow by using the blue, red and yellow dye concentrates.

«Belacryl»-R is distinguished by its high workability, simplicity and speed of manufacturing items with high quality, functional durability, original appearance and biocompatibility.

The resin produced from the «Belacryl-R» material has smooth, solid, shining and colourless surface and/or surface coloured blue, red, pink, green and/or yellow, which is easy to polish, stable in colour and has no porosity. The resin is not toxic, it is biologically inert to oral cavity tissues, it has low water absorption and water solubility.



code	package	volume		
00000000000	Liquid	150 g		
	Powder	100 g		
	Blue concentrate	15 ml		
	Red concentrate	15 ml		
	Yellow concentrate	15 ml		
RC № RZN 2015/2736 dated 28.02.2018				



PACKAGE

code	package	volume	
	Liquid	16 g	
00000000000	Powder: pink	3 g	
	A by Vita scale	6 g	
	B by Vita scale	6 g	
	C, D by Vita scale	6 g	
RC № RZN 2015/2736 dated 28.02.2018			

BELACRYL - color

Liquid for opaque dye

PURPOSE

Tinting of acrylic veneers on metal structures of fixed prostheses, tinting of base resins, toning and tinting of acrylic crowns, imitation of cosmetic defects of dental enamel.

FEATURES

«Belacryl» - color dye is manufactured in the form of two components - 1) powder containing methacrylic acid polyesters, fillers and pigments, and 2) liquid containing triethylene glycol dimethacrylate.

To obtain a finished product, mix the dye components, then apply the mixture on the pretreated metal surface, then heat it.

The dye hardened on the metal surface prevents it from visualization through the facing acryl due to its opaqueness. The cover produced from the dye may be painted pink or shaded conforming to «Vita» scale. It provides a high degree of adhesion to the metal and to the facing acryl.

BELFLEX

Thermoplastic base material

PURPOSE

Production of removable denture bases - complete and partial.

FEATURES

«Belflex» base material is manufactured on the polyamide basis, and it is produced in the form of granules and in the form of cylindrical blanks which may be colourless or coloured pink, with or without streaks.

Denture bases produced from the «Belflex» base material are characterized with low moulding shrinkage, good polishability, a small value of water absorption and water solubility, and a high degree of hardness.

A distinctive feature of prostheses made of the «Belflex» base material is the possibility to use them without noticeable formation of plaque on their surface, which would require regular cleansing of prostheses.

The resin made of the «Belflex» base material is not toxic, it is biologically inert to oral cavity tissues.



code	package	volume
0000043534	Granules	100 g
0000043533	Granules	1 kg
RC № RZN 201	5/2736 dated 28.02.2018	

BASE RESINS

NOLATEK

Light-cured base material

PURPOSE

- making of full and partial removable denture bases;
- production and repairs of orthodontic appliances and structures (dental flippers, prosthetic bridges, dental bite splints, chin slings and custom impression trays)
- rebasing and repairs (including express repairs) of removable denture bases.



FEATURES

The «Nolatek» base material is produced on the basis of copolymers of polyethers of methacrylic and dimethacrylic acids, composite modified, and it pertains to light-cured resins.

The material has the form of homogeneous plastic polymer mass of various consistencies: high-viscosity and medium-viscosity.

The light-cured «Nolatek» POLYMER MASS is manufactured in pink colour which matches with the natural colour of gingival tissues and with the Vita scale colours. It is single-component and has the form of homogeneous plasticine-like mass. The polymer mass may also be produced in the shape of plates. The material is used to form denture bases.

The FLUID light-cured «Nolatek» polymer mass is used to form gingival margins and gingival papillae, to repair dental prostheses and orthodontic structures. May be used for production of complete removable dentures.

The polymer mass for rebasing is produced in syringes (4g) by the «Vita» scale colours: A₂, A₃, A₃₅ and may be used both for repasing and for production of dental flippers.

The light-cured «Nolatek» ADHESIVE is used to create strong adhesive bonding between the denture base and artificial acrylic teeth.

The light-cured «Nolatek» SURFACE VARNISH (glaze) is designed to cover finished structures, and it makes polishing of the structure optional. Additionally, the varnish closes pores.

«Nolatek» base material should be polymerized only in devices intended for laboratory purposes, with a wavelength of 360-500 nm. An exception to this is the fluid mass of «Nolatek» base material (small fragments) which is polymerized with a device intended for polymerization of filling materials with a light output of at least 600 mW/cm² and a wavelength of 475 nm. Base material of «Nolatek» does not contain **METHYL METHACRYLATE**, it is not toxic, and it is bioinert.

NOLATEK – ORTHO

Light-cured base material

PURPOSE

- determining the structural occlusion;
- making of dental bite splints;
- making of orthodontic appliances.

FEATURES

«Nolatek» base material is produced on the basis of copolymers of polyethers of methacrylic and dimethacrylic acids, composite modified, and it pertains to light-cured resins.



«Nolatek» polymer mass may be manually modeled directly on a plaster model precoated with the Isalgin isolating dental varnish (or similar). In the operation process, the material does not drift, it holds its shape well. The material is polymerized with light having a wavelength of 360 nm to 500 nm The duration of the polymerization process depends on the lamp power, and it may be equal to 2-10 minutes. The material is polymerized in laboratory light curing units for 6 minutes alternately on both sides.

name	code	package	volume	name	code	package	volume
		Pink base paste	150 g	polymer	0000043536	Paste	150 g
		Fluid mass	10 g	mass	0000043537	Plates	20 g x 10 pcs
starter set	00000048762	Adhesive	5 ml		0000043538	A2 Paste	4.0 g
	00000040702	Axil LC cover varnish	5 ml		0000043539	A3 Paste	4.0 g
		Isolating varnish	5 ml	polymer	0000043540	A3.5 Paste	4.0 g
		Opaquer paste	2 g	mass	0000043541	B2 Paste	4.0 g
		Polymer mass	300 g	-	0000043542	C2 Paste	4.0 g
	Fluid mass	10 g x 2		0000043543	Paste	4.0 g	
	set 0000043535	Polymer mass for rebasing	4 g	polymer	0000043544	Paste (light pink)	10 g x 2 pcs
set		Adhesive	5 ml	mass	0000047827	Paste (transparent)	10 g x 2 pcs
		Axil LC cover varnish	5 ml	Adhesive	0000043545	Liquid	5 ml
		Isolating Isalgin varnish	5 ml	Glaze	gze 00000 425 47	linuial	E mal
	Opaquer paste	2 g	(Cover varnish)	0000043546	LIQUID	5 m	
		Polymer mass	30 g x 5	Varnish	0000043547	Liquid	5 ml
Nolatek-	00000052553		pcs	RC № RZN	2015/2736 dated 28.02.2018		
ortho		Adhesive	5 ml				
		Cover vernish	5 ml				



BASIC



PACKAGE

code	package	volume
0000006999	(Soft) plates	500 g
00000024008	(Hard) plates	500 g
RC № FSR 20		

STICKY



PACKAGE

code	package	volume
00000012637	Rods	50 g (10 pcs)
RC № FSR 2007/00962 dated 26.09.2017		

CHECK BITES



PACKAGE

code	package	volume	
0000009308	Sticks	150 g (10 pcs)	
00000036093	Arches	90 g (6 pcs)	
0000000000	Arches	1.5 kg (100 pcs)	
RC № FSR 2007/00962 dated 26.09.2017			

BELOWAX

Dental wax

PURPOSE

Modeling of removable denture bases, production of occlusal templates, formation of customimpression trays, base trays and their parts.

FEATURES

- The basic wax is manufactured in two forms:
- soft;
 bard

hard.

Semitransparent wax plates without internal tensions in softened state are easily attached to each other without sticking to fingers.

The wax is easily shaped when heated, and sharp instruments are used to handle it at a room temperature. When slightly heated above the flame, the surface of the wax plates becomes smooth.

When a denture is produced, the wax is easily and totally removed from plaster blanks with boiling water, it does not leave any traces on porcelain or acrylic teeth, and it does not stain the denture resin.

The wax has a slight thermal linear expansion, and it does not cause irritation of oral cavity tissues.

PURPOSE

Bonding of metal denture links to prepare them for soldering. Also intended for repairs of removable dentures and for bonding fragments of plaster models.

FEATURES

The sticky wax contains natural and synthetic waxes and rosin which provides good adhesion to metal and plaster (min. 0.9 MPa).

The dental wax has necessary durability, its shape is convenient for use.

The minimum dropping temperature is 65° C, the ash content is 0.2% max.

The sticky wax flows and spreads well when heated, and it precisely connects denture elements.

PURPOSE

Recording of occlusion or identifying occlusal ratios of the patient's toothless jaws.

FEATURES

The check bites are produced from the wax composition which includes paraffin, ceresin, natural resin and modifying additives.

Softening temperature: 40-45°C.

The check bites are easily shaped when heated, and sharp instruments are used to handle them at a room temperature.

PURPOSE

Making of wax caps with uniform wall thickness by using the dipping method.

FEATURES

The dipping wax «Belowax» κ is a wax composition which enables obtaining an elastic wax cap having a wall thickness of 0.35 mm with the dipping duration of 1 second. The wax dipping temperature is 85°C.

The best results are obtained with quick dipping of a dental die into melted wax followed by its slow removal from the basin. In 30 seconds, the wax cap becomes sufficiently solid, it is deformation-free, which guarantees high precision of casting.

DIPPING



PACKAGE

code	package	volume
00000022287	Cone	150 g
RC № FSR 2007/00962 dated 26.09.2017		

PURPOSE

Constructing the cast and supply system in casting metal elements of dentures.

FEATURES

It is a filament formed from a composition of paraffin, ceresin and beeswax modified with natural resins which make the filament flexible and malleable at a temperature of 20-30°C.

Due to its flexibility, the wax filament can easily be attached to any area in a model under any angle without heating. The filament gets firmly connected with wax elements, and it does not react with moulding materials during the casting and baking operations, is is easily melted and burned without residue. Wax filaments result in formation of moulding channels after wax has been cast out of the mold. MOLDING



The wax filament of «Belowax» is produced with various degrees of hardness for handling within a wide range of temperatures:

- super-soft- yellow
- soft- blue;
- hard- green;
- super-hard- red.

Due to high plasticity, the soft and extrasoft filaments are used for rimming of functionally shaped edges on impressions before obtaining a plaster model.

name	code	package	volume
aat	00000025918	Sticks	150 g
sei	00000025919	Sticks	200 g
	00000022666	Line Ø 1.0 mm	100 g customized
	00000022667	Line Ø 1.5 mm	100 g customized
	00000022668	Line Ø 2.0 mm	250 g
super-soft	00000022669	Line Ø 2.5 mm	250 g
	00000022670	Line Ø 3.0 mm	250 g
	00000022671	Line Ø 3.5 mm	250 g
	00000022672	Line Ø 4.0 mm	250 g
	00000022674	Line Ø 4.5 mm	250 g
	00000022675	Line Ø 5.0 mm	250 g
	00000022676	Line Ø 1.0 mm	100 g customized
	00000022681	Line Ø 1.5 mm	100 g customized
	00000022677	Line Ø 2.0 mm	250 g
soft	00000022682	Line Ø 2.5 mm	250 g
	00000022678	Line Ø 3.0 mm	250 g
	00000022684	Line Ø 3.5 mm	250 g
	00000022679	Line Ø 4.0 mm	250 g
	00000022683	Line Ø 4.5 mm	250 g
	00000022680	Line Ø 5.0 mm	250 a

PALKAGE	PA	Cł	(A	G	E
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name	code	package	volume
	00000022685	Line Ø 1.0 mm	100 g, customized
	00000022690	Line Ø 1.5 mm	100 g, customized
	00000022686	Line Ø 2.0 mm	250 g
hard	00000022691	Line Ø 2.5 mm	250 g
	00000022687	Line Ø 3.0 mm	250 g
	00000022693	Line Ø 3.5 mm	250 g
	00000022688	Line Ø 4.0 mm	250 g
	00000022692	Line Ø 4.5 mm	250 g
	00000022689	Line Ø 5.0 mm	250 g
	00000022695	Line Ø 1.0 mm	100 g, customized
	00000022700	Line Ø 1.5 mm	100 g, customized
	00000022696	Line Ø 2.0 mm	250 g
super-hard	00000022701	Line Ø 2.5 mm	250 g
	00000022697	Line Ø 3.0 mm	250 g
	00000022703	Line Ø3.5 mm	250 g
	00000022698	Line Ø 4.0 mm	250 g
	00000022704	Line Ø 4.5 mm	250 g
	0000022699	Line Ø 5.0 mm	250 g
RC № FSR 2007	/00962 dated 26.	.09.2017	



MODELLING



PACKAGE

code	package		volume
0000025920	Three colors	Sticks (brick)	55 g
0000023939	Red	Sticks (brick)	55 g
00000021846	Blue	Sticks (brick)	55 g
0000007753	Green	Sticks (brick)	55 g
RC № FSR 2007/00962 dated 26.09.2017			

BELOWAX

Dental wax

PURPOSE

Making of inlays, crowns, inserts, cast clamps, portion crowns, arches and frames for bugel dentures and prosthetic bridges by using the method of moulding by cast models.

FEATURES

The main components are paraffin, ceresin, natural and synthetic resins, modifiers and dyes. The wax has good plastic properties (fluidity under load within the temperature range of 37-45°C), it has a low degree of thermal shrinkage, it is easily modeled with dental tools, it does not change its properties when melted repeatedly. The ash content of the modelable wax does not exceed 0.02% when burnt down.

It is produced with various degrees of fluidity:

- the red has a high degree of fluidity and is designed to model the cervical part or crowns;
- the blue has a medium degree of liquidity and is used to model the pontic for the fixed prosthesis frame ;
- the green has a low degree of fluidity, it is used to model the bearing elements of whole-piece fixed prostheses.

PURPOSE

It prevents inflammation of the mucosa which may result from friction caused by braces

FEATURES

It consists of biologically inert natural components (beeswax, resin of plants, oil).

Orthodontic wax is used to reduce friction with protruding parts of braces. Before application, soften the wax with fingers and stick it to the rubbing part of the braces. Due to the optimum consistency, the wax firmly clings to braces. The specially selected wax colour and the degree of its transparency make it almost invisible.

PACKAGE

code	package	volume
00000056071	Sticks	4 g x 2 pcs
RC № FSR 2007/00962 dated 26.09.2017		

BELOWAX - L



PACKAGE

code	package	volume
00000000000	Sticks	20 g
RC № FSR 2007/00962 dated 26.09.2017		

PURPOSE

Production of inlays, crowns, inserts, cast clamps and portion crowns by using the method of moulding by cast models.

FEATURES

The main components of the modelable «Belowax» - L wax are paraffin, natural and synthetic resins, modifiers and dyes. The wax has good plastic properties (fluidity under load within the temperature range of 37-45°C), it has a low degree of thermal shrinkage, it is easily modeled with dental tools. The ash content of the modelable Belowax L wax does not exceed 0.10% when burnt down.

ORTHODONTIC

COMPELAK

Compensation varnish

PURPOSE

- partial compensation of shrinkage in production of whole-piece dental prostheses;
- creation of an intermediate layer on the plaster model of the stump in order to form a distance gap under the fixing cement.

FEATURES

«Compelak» varnish is viscous liquid coloured gold, silver, blue or red. When dried, the varnish provides non-shrinkable inelastic film which firmly clings to the plaster model. The duration of film formation is no more than 2 minutes. Film thickness of one «Compelak» varnish layer:

- gold 7-10 µm;
- silver 7-10 μm;
- blue 12-15 μm;
- red 12-15 μm;



PACKAGE

code	package	volume
00000047382	Varnish	15 ml
00000047383	Varnish	15 ml
0000000053	Varnish	15 ml
00000047381	Varnish	15 ml
0000000056	Isolating liquid	15 ml
0000000059	Solvent	15 ml

COMPELAK S

Stumflak

PURPOSE

It is used in production of whole-piece prostheses to create an intermediate layer on the plaster model of the tooth stump in order to form a distance gap under the fixing cement, and to compensate for metal shrinkage.

FEATURES

Stumflak is viscous coloured liquid containing a film-forming agent which, when applied to the model, is not absorbed into the plaster, and forms a non-shrinkable film with a thickness of 10-15 μ m when dried for 3-5 minutes.



PACKAGE

code	package	volume
0000000134	Varnish	12 ml

ISALGIN

Isolating dental varnish

PURPOSE

If forms a film on the plaster model surface thus preventing the plaster and resin from merging.

FEATURES

«Isalgin» isolating varnish is manufactured on the basis of sodium alginate.

The plaster mould is varnished after the wax is removed from the plaster surface, and as soon as the model (mould) is degreased by boiling in water. Pour the necessary amount of isolating varnish into a small vessel and apply it evenly with a brush on the warm surface of the plaster model.



code	package	volume	
0000001233	Varnish	125 ml	
00000018711	Varnish	500 ml	
0000025923	Varnish	1 L	
0000000000	Spray varnish	500 ml	
RC No ESR 2008/02236 dated 23 10 2017			



BELECT

Powder for grinding and polishing of dental items and metals

PURPOSE

Removal of investment material, preparation of frames before baking, removal of porcelain residues, as well as for treatment of surfaces of cobalt-chromium alloys.

FEATURES

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«Belect» is white powder based on electrocorundum with a high content of aluminium oxide (99.5%). The material is inferior in hardness only to diamond. It is the most harmless fragmenal material in the electrocorundum group .

The Belect powder is manufactured in fractions:

Grain size	Powder granularity
90-75 μm	granularity No.6
106-90 µm	granularity No.8
125-106 µm	granularity No.10
150-125 μm	granularity No.12
300-250 μm	granularity No.25
355-300 μm	granularity No.32
40-50 µm	granularity No.50

SCOPE OF APPLICATION

- removal of investment material, preparation of frames and creation of mechanical retention surfaces above baking;
- removal of investment material and oxide film from alloys with low content of precious metals, treatment of frames and creation of mechanical retention surfaces before baking;
- removal of investment material, preparation of frames before baking, removal of porcelain residues from porcelain-fused-tometal crowns;
 - removal of investment material, treatment of surfaces of noble and non-noble alloys, preparation of frames before baking;
- removal of investment material, treatment of surfaces of cobalt-chromium alloys, preparing frames made of non-noble alloys before baking;
- removal of investment material and porcelain residues from porcelain-fused-to-metal crowns; removal of oxide films from frames made of noble alloys, treatment of porcelain before glazing.

name	code	package	volume			
90-75 µm, granularity No.6	0000001892	Powder	5 kg			
106-90 µm, granularity No.8	0000002113	Powder	5 kg			
125-106 µm, granularity No.10	0000001289	Powder	5 kg			
150-125 µm, granularity No.12	0000001840	Powder	5 kg			
300-250 µm, granularity No.25	0000000136	Powder	5 kg			
355-300 µm, granularity No.32	0000000137	Powder	5 kg			
40-50 µm, granularity M50	0000003812	Powder	5 kg			
RC № FSR 2009/05295 dated 25.09.2017						

POLYSET

Material for polishing of dental items

PURPOSE

Polyset pastes are used for the following purposes:

«POLYSET №1» - for mirror polishing of items made of stainless steel, copper, nickel and cobalt-chromium alloys;

«POLYSET №2 - for mirror polishing of resin items;

«POLYSET №3»» - for mirror polishing of porcelain and resin items;

«POLYSET №4» - for polishing of items made of resins used in dental practices.

PASTE



FEATURES

«Polyset» pastes for polishing of dental items contain various abrasives, surface-active and bonding agents. «Polyset №4» paste on the water-soluble basis contains abrasives of various nature, which provide effective polishing of resins without scratches on items.

Made only of natural components

- Optimal fixation
- Easy to remove
- Excellent aesthetics

PACKAGE

code	package	volume		
0000034836	No.1 paste	100 g		
0000034837	No.2 paste	100 g		
0000034838	No.3 paste	100 g		
0000001632 No.4 paste		400 g		
RC № FSR 2008/02238 dated 12.12.2017				

POWDER

PURPOSE

Polishing of prostheses made of resins.

FEATURES

«Polyset» powder contains several abrasive components having various nature and degrees of hardness.

No scratches made

- Low consumption when used
- Swift result



code	package	volume		
00000012037	Powder	2 kg		
0000001303	Powder	4 kg		
RC № FSR 2008/02238 dated 12.12.2017				



PACKAGE

	1			
code	package	volume		
0000026099	Powder / liquid	160 g x 12 pcs / 400 ml		
0000005098	Powder / liquid	160 g / 38 ml		
0000005015	Powder	160 g x 32 pcs		
0000004868	Powder	25 kg		
0000005022	Liquid	1 L		
0000004599	Liquid	5 L		
RC № FSR 2009/05521 dated 26.09.2017				

BELOFORM

Moulding material

PURPOSE

Production of high-precision casting moulds to be used to cast whole-piece fixed prostheses and other dental elements from refractory alloys, as well as from alloys containing noble metals

FEATURES

The multipurpose «Beloform» dental moulding material contains phosphate, polydisperse quartz, cristobalite, refractory binders, and colloidal liquid with modifying and stabilizing additives.

Technical properties of the «Beloform» material:

- operation time for the moulding mass (at 21-23°C) -5 minutes;
- fluidity 120 mm;
- duration of solidification 7-10 minutes;
- compressive strength (after 2 hours) no less than 4.0 mPa;
- compensatory expansion during solidification 1.2%;
- thermal expansion at 900°C 1.3%;
- total expansion 2.5%.

The maximum expansion of investment material is reached when the concentrated «Beloform» liquid is used. Due to dilution of the liquid with distilled water, you may alter the value of total expansion, i.e. compensate for shrinkage of any casting alloy used. The more the liquid is diluted with distilled water, the less the material expansion will be. The minimum expansion will be obtained when the powder is mixed with distilled water.



PACKAGE

name	code	package	volume
belolit	00000026098	Varnish (spray bottle)	500 ml
belolit-s	0000009396	Varnish	125 ml

BELOLIT

Varnish for casting operations

It is produced in two forms:

- «Belolit» (for casting operations)
- **«Belolit-S»** (isolating varnish)

PURPOSE

Covering wax models before applying the facing layer in moulding from steel and chromium-cobalt alloys by using silicate molding materials.

«Belolit-S» is applied on the plaster model surface to prevent plaster and thermoplastic material (polycarbonate, nylon, acrylic, polypropylene) from merging, which facilitates separating of the plaster from the prosthesis and considerably reduces the time of cleansing and polishing of the base.

FEATURES

«Belolit» varnish for casting operations provides precise reproduction of the model and its separation from the facing layer in casting operations. The varnish is transparent volatile liquid which, when evaporated, provides a uniform layer on the wax model, which ensures uniform application of the silicate moulding material.

Isolating **«Belolit-S»** varnish is manufactured on the silicone basis.

The varnish is effective in production of prostheses by the injection casting technology in dental laboratories. The isolating varnish layer preserves its properties at high temperatures.

MATERIALS FOR CASTING OPERATIONS

SAND to powder the facing layer

PURPOSE AND FEATURES

Reinforcement (powdering) of the facing layer when moulding from steel and cobalt-chromium alloys by using silicate molding materials.

Using fine fraction for powdering wax models ensures high strength of the facing layer, it enables avoiding cover surface cracking and provides high quality of the surface moulded.

At customer's option, the material may be included in a set of chemical reagents for preparation of moulding masses.



PACKAGE

code	package	volume
0000001651	Powder (sand)	4 kg

SET OF CHEMICAL REAGENTS

PURPOSE AND FEATURES

The set includes:

- POWDER QUARTZ production of facing layers (shells) of refractory coatings;
- MOULDING SAND as a flask filler and for powdering of facing layers;
- ETHYLSILICATE a yellow or light brown liquid which is used to prepare binders for refractory coatings;
- **BORIC ACID** it is used as binder for fillers (moulding sand).



code	package	volume
	Powder quartz	450 g
0000001317	Ethylsilicate	125 ml
	Boric acid	50 g
	Acetone	125 ml
	Acid catalyst	25 ml



ULTROPALINE

Set of materials for porcelain-fused-to-metal dental prostheses

PURPOSE

«Ultropaline» is multi-purpose porcelain material for facing of whole-piece porcelain frames in production of porcelainfused-to-metal crowns and prosthetic bridges. It is manufactured by VladMiVa jointly with Jendental (Ukraine).

FEATURES

The specific feature of the technology for manufacturing of the «Ultropaline» porcelain-fused-to-metal material consists in mixing of pure oxides, hydroxides or salts of initial components, their fusion at a higher temperature (about 1400°C) followed by sitalization - crystallization of leucite in the resulting glass matrix in presence of specially admixed additives - nucleation centers. The porcelain «Ultropaline» material is fully synthetic porcelain mass, which completely excludes the dependence of the material quality on the purity and formula of the initial mineral raw material.

The parameters of thermal expansion of the «Ultropaline» material are compatible with such parameters of the most widely used porcelain-fused-to-metal materials. The coefficient of thermal linear expansion of the «Ultropaline» porcelain-fused-to-metal material is 13.2x10-6K-1. The thermal expansion coefficient of the «Ultropaline» material makes it possible to use it successfully in combination with any metals having the thermal expansion coefficient within the limits of 13,8 - 14,4x10-6 K-1. Due to very small dimensions of leucite microcrystallites and their high density, the «Ultropalin» porcelain-fused-to-metal material is distinguished by very high durability and high bending strength.

A wide range of colour shades of materials corresponding to the European Vita-Lumin colour system makes it possible to produce prostheses ultimately close to natural teeth by optical characteristics and shades.

The production of porcelain-fused-to-metal materials is a rather complicated process (see instructions for use).

name	code	package		volume
		Powder dentines of 16 colours: (A1; A2; A3; A3,5; A4; B1; B2; B3; B4; C1; C2; C3; C4; D2; D3; D4)	Powder	30 g x 16
		Powder enamels (4 types - \$57; \$58; \$59; \$60)	Powder	30 g x 4
		Powder materials for cervical elements (4 types - CA; CC; CB; CD)	Powder	30 g x 4
		Powder transparent overlay T	Powder	30 g
large set	00001081	Opal - opaline modifier	Powder	30 g
		Liguid for modelling of dentine and enamel	Liquid	40 ml x 2
		Paste opaquers of 16 colours: (OA1; OA2; OA3; OA3,5; OA4; OB1; OB2; OB3; OB4; OC1, OC2; OC3; OC4; OD2; OD3; OD4)	Paste	4 g x 16
		Paste glaze	Paste	4 g x 2
		Glaze dyes - (light brown, ochre)	Paste	4 g x 2
Set of powder opaquers	00001589	D1589 Colours - OA2, OA3, OA3,5, OB2, OC2, OD2		20 g x 6
Set of dentines	00002217	colours - DA2, DA3, DA3.5, DB2, DC2, DD2	Powder	30 g x 6
Set of intensive dentines	00002244	colours - White, Blue, Brown, Gray, Ochre, Gingival colour	Powder	30 g x 6
Set of opaque dentines	00002486	colours - OD-A2, OD-A3, OD-A3.5, OD-B2, OD-C2, OD-D2	Powder	30 g x 6

name	code	package	volume	name	code	package	volume
Paste glaze	0000001404	Paste	4 g	Liquid for dentine and	0000003711	Liquid	50 ml
Powder glaze	00000021513	Powder	20 g	enamel modeling	00000022409	Liquid	100 ml
Opaline transparent	0000002489	Powder	30 g	(transparent)	00000021299	Liquid	200 ml
Opal - opaline	00000000401	Devueler	20 5	Liquid for dentine and	0000001997	Liquid	50 ml
modifier	0000002491	Powder	30 g	enamel modeling	00000032644	Liquid	100 ml
Opaline	000000000000000000000000000000000000000	Devueler	20 -	(pink)	00000010198	Liquid	200 ml
(OST) overlay	0000002490	Powder	30 g	Liquid for opaquer	0000004025	Liquid	50 mal
Opaline				(transparent)	0000004935	LIQUID	50 mi
overlay (OST A)	0000008607	Powder	30 g	30 g Liquid for glazes		Liquid	50 ml
Opaline					00000025068	Liquid	50 ml
supertransparent overlay (OST B)	0000008606	Powder	30 g	PREFORM liquid	00000024820	Liquid	100 ml
Multipurpose	00000039945				00000025069	Liquid	200 ml
Transparent overlay T	0000001891	Powder	30 g				
Supertransparent overlay ST	00000001922	Powder	30 g				



nc	ame	code	packaae	volume
	Individual co	lours of Illtronglin	e materials	
	A1	0000035977	Powder	30 g / 100 g
	A2	0000034396	Powder	30 g / 100 g
	A3	0000034397	Powder	30 g / 100 g
	A3,5	0000034398	Powder	30 g / 100 g
	A4	00003663	Powder	30 g / 100 g
	B1	00003664	Powder	30 g / 100 g
dentine	B2	00003665 / 0000034399	Powder	30 g / 100 g
	B3	00003666	Powder	30 g / 100 g
	B4	00003667	Powder	30 g / 100 g
	D2	00003672 /	Powder	30 g / 100 g
	D3	00003673	Powder	30 a / 100 a
	D4	00003674	Powder	30 g / 100 g
	CI	00003668	Powder	30 a / 100 a
	<u> </u>	00003669 /	Bourder	20 ~ / 100
	C2	00000034873	rowder	30 g / 100 g
	C3	00003670	Powder	30 g / 100 g
	C4	00003671	Powder	30 g / 100 g
	White	00003733	Powder	30 g
Intensive	Sky-blue	00002492	Powder	30 g
	Gingival	00003734	Powder	30 g
Intensive-	Yellow	00004519	Powder	30 g
definites	Brown	00003732	Powder	30 g
	Ochre	00003735	Powder	30 g
	Grey	00003736	Powder	30 g
	Al	00002488	Powder	30 g
	A2	00003738	Powder	30 g
	A3	00003739	Powder	30 g
	A3,5	00003740	Powder	30 g
	A4	00003741	Powder	30 g
	B1	00003742	Powder	30 g
	B2	00003743	Powder	30 a
	B3	00003744	Powder	30 g
dentines	B4	00003745	Powder	30 g
	D2	00003750	Powder	30 a
	D3	00003751	Powder	30 a
	D4	00003752	Powder	30 a
	C1	00003746	Powder	30 a
	C2	00003747	Powder	30 a
	C3	00003748	Powder	30 a
	C4	00003749	Powder	30 g
	White	00007450	Pasta	4 0
	Sky-blue	00003700	Parta	4 0
	Gingival	00003702	Pasta	4 a
		00003702	Pasto	10
	Brown	00002177	Posto	10
		00004510	Pasta	4 y
		00004518	Paste	4 g
Glaze dve		00003704	Paste	4 g
	brown	00003706	Paste	4 g
	Light ochre	00003703	Paste	4 g
	Grey ochre	00003705	Paste	4 g
	Grey	00003701	Paste	4 g
	Grey	00003753	Paste	4 g
	Dark	00003708	Pasta	4 0
	brown	00003706		1 'Y

na	me	code	package	volume
	Individual co	olours of Ultropalin	e materials	
	A1	00001587	Paste	4 g
	A2	00003684	Paste	4 g
	A3	00003685	Paste	4 g
	A3,5	00003686	Paste	4 g
	A4	00003687	Paste	4 g
	B1	00003688	Paste	4 g
	B2	00003689	Paste	4 g
Opaque	B3	00003690	Paste	4 g
paste	B4	00003691	Paste	4 g
	D2	00003696	Paste	4 g
	D3	00003697	Paste	4 g
	D4	00003698	Paste	4 g
	C1	00003692	Paste	4 g
	C2	00003693	Paste	4 g
	C3	00003694	Paste	4 g
	C4	00003695	Paste	4 g
	Al	00002487	Powder	20 g
	A2	00003716	Powder	20 g
	A3	00003717	Powder	20 g
	A3,5	00003718	Powder	20 g
	A4	00003719	Powder	20 g
	B1	00003720	Powder	20 g
	B2	00003721	Powder	20 g
Opgaue	B3	00003722	Powder	20 g
powder	B4	00003723	Powder	20 g
	D2	00003728	Powder	20 g
	D3	00003729	Powder	20 g
	D4	00003730	Powder	20 g
	C1	00003724	Powder	20 g
	C2	00003725	Powder	20 g
	C3	00003726	Powder	20 g
	C4	00003727	Powder	20 g
	Smoky	00004514	Powder	
Smoky opal	Pink	00004515	Powder	
(SO)	Sky-blue	00004516	Powder	
	Yellow	00004517	Powder	
	СА	00002308	Powder	
Material	СВ	00003677	Powder	
elements	СС	00003676	Powder	
	CD	00003678	Powder	
	\$57	00001407 / 00000034400	Powder	
Enamel	\$58	000003680 /	Powder	
	\$59	0000034402	Powder	
	\$60	0000034874	Powder	
RC Nº FSR 2	2007/00309 da	red 29.12.2017		

ESTCER

Metal-free porcelain based on circonium dioxide for making of dental prostheses.

PURPOSE

Making of frames for crowns of front and side teeth, frames for prosthetic bridges consisting of 3-4 units, for dental prostheses supported by inlays and implants.

FEATURES

«Estcer» material constitutes baked porcelain blocks based on ittrium-stabilized circonium oxide for the CAD/CAM technology.

After previous baking (chalk-like condition) «Estcer» blocks are easily milled on the CAD/CAM machine To achieve high precision of marginal adaptation, frames are always milled in a volume enlarged by about 20% on each axis, by taking into account the shrinkage when the blocks are baked in a high-temperature furnace. After full baking, the material structure gets compacted by more than 99% with formation of polycrystalline oxide porcelain consisting of the tetragonal phase of zirconium oxide.

High-strength frames obtained from the metal-free «Estcer» porcelain are faced with porcelain materials originating from zirconium dioxide for frame facing, with the thermal expansion coefficient (TEC) equal to the TEC of the «Estcer» material.

- Important restrictions in treatment:
- it is necessary to observe the required thickness of frames and the dimensions of connectors between the denture structure units;
- do not mill blocks on CAD/CAM incompatible equipment
- to not bake the material in an incompatible high-temperature furnace.

PACKAGE

Blanks are manufactured upon request presented by Buyer.



OTBEL

Dental liquid for bleaching of items made of stainless steel for frames of dental prostheses

PURPOSE AND FEATURES

Removal of oxide film forming during thermal treatment of steel prostheses from stainless steel.

«Otbel» liquid is solution consisting of mixture of diluted hydrochloric and nitric acids.

code	package	volume		
0000001316	Liquid	125 ml		
0000007019	Liquid	0.9 L		
0000004631	Liquid	3 L		
RC № FSR 2011/10333 dated 01.12.2017				

SOLDER WIRE OF SILVER PSrMTS-37

PURPOSE

Soldering of elements for dental prostheses produced from stainless steel and cobalt-chromium alloy.

FEATURES

The PSrMTS wire constitutes alloy of silver (37%), manganese, zinc, nickel, cadmium, magnesium and copper. Fluidity temperature - (705±10)°C, melting range -(692+10)°C, tensile strength of solder joint in cobalt-chromium alloy - at least 350 MPa.



For soldering of stainless steel prosthetic bridges with silver solders, the set includes flux agent (powder) the main component of which is dehydrated borax.

The flux agent does not interact chemically with the solder. When the material is heated, no foaming or blistering occurs.

PACKAGE

code	package	volume			
0000000115	Wire D = 1 mm	40 g			
0000000113	Flux agent (powder)	30 g			
00000012/1	Wire D = 1 mm	20 g			
0000001261	Flux agent (powder)	30 g			
RC № FSR 2009/06285 dated 01.12.2017					

LOW-MELTING ALLOY

Dental alloy for making of dies and models frames dental prostheses

PURPOSE

Making of dies and models used in production of crowns, clamps and bugel prostheses.

FEATURES

The low-melting alloy contains bismuth, tin, lead and other metals.

The alloy melts at the temperature of 96°C, it is rather hard, but it is easily treated. It has good casting properties and minimum shrinkage when cooled down.



code	package	volume
0000000120	Tablet	60 g
RC № FSR 2010		





Ceramic CRUCIBLES

for induction casting machines

PURPOSE

Melting of metals and alloys used in prosthetic dentistry for production of casting crowns, gaps, bridges, as well as other metal elements of dental prostheses in conditions of dental clinics, laboratories and workshops.

Crucibles are used for all basic models of casting machines of domestic manufacturers, as well as for casting machines of foreign manufacturers.

FEATURES

Ceramic crucibles ensure reliable operation in hard operation conditions such as induction heating of the metal. At the same time you should take into account that the heating process is non-uniform because the amount of metal melted in it is equal to 10-15% of the crucible volume, which complicates the service conditions of the crucible.

The crucibles are produced by a unique technology based on amorphous quartz nanodispersed systems, which provides high heat resistance and corrosion resistance, as well as better performance characteristics.

The silicon dioxide content in the crucibles is at least 99.0% .

Thermal resistance of the ceramic crucibles is no less than 15 thermal cycles (if heated up to the temperature of + 950°C with subsequent cooling in running water at room temperature).

Apart from crucibles, ceramic bowls are manufactured (small, medium and big) for casting of noble metals, as well as trays for muffle furnaces, ceramic inserts and many other items.

At Customer's option (with a sample or drawing available), crucibles may be manufactured in other configurations for any types of casting machines.

TECHNICAL CERAMICS

	Name	Length, mm	Width, Ø mm	Height, mm	Note
1	Retainer	180	27	16	
2	Tray	265	125	80/35	
3	Tray	250	175	15	
4	Tray with grid	250	175	15	10 partitions
5	Tray	250	150	15	
6	Tray with grid	250	150	15	8 partitions
7	Tray	233	233	40	inner height 27
8	Tray	170	100	45	
9	Tray with holes	170	100	40	14 holes Ø 5 mm around the perimeter
10	Tray	165	145	15	
11	Tray with grid	165	145	15	7 partitions
12	Tray	115	10		
13	Rib-supported tray	140	100	40	1 partition, inner height 35
14	Round support		120		
15	Support	70	70		
16	Cup		130	150	
17	Rimmed cup		118	177	Rim Ø 125*129, rim height 6-7
18	Rimmed nosed cup		85	145	Rim Ø 94, bottom-to-rim height 118
19	Rimmed cup		88	128	Rim Ø 94*96, rim height 6-7
20	Mould for open spiral	250	145	17	10 meshes Ø 8.5-9
21	Bowl		230	102	inner: Ø 215, height 95



TABLE OF AVERAGE DATA OF CRUCIBLE MEASUREMENTS

Na		Carla	Dimensions, mm (deviation not exceeding 1%)		
NO.	Linear machine type	Code	н	В	d
1	Fornax	F-01-1	78.0	78.0	8.5
2	Fornax with cover	F-01-3	78.0	78.0	8.5
3	Fornax 35	F-01-4	77.5	77.5	8.5
4	Manfredi medium	M-02-1	69.5	69.5	8.5
5	Manfredi medium with cover	M-02-2	69.0	69.0	8.5
6	Manfredi small	M-02-3	68.0	59.0	8.5
7	Manfredi small with cover	M-02-4	68.0	59.0	8.5
8	Manfredi large	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	N-06-1	66.0	60.0	8.5
12	Ducatron	D-07-1	77.5	71.5	8.5
13	Ducatron	D-08-1	78.0	78.0	8.5
14	Degussa	D-09-1	66.0	58.5	8.5
15	Heraeus with single rim	H-10-1	73.0	73.0	8.5
16	Heraeus with double rim	H-10-2	85.5	85.5	9.5
17	Alloy	A-11-1	83.0	83.0	8.5
18	Castomat	K-12-1	70.0	70.0	8.5
19	lvocast	I-13-1	69.5	69.5	8.5
20	lvocast-2	I-13-2	75.0	75.0	8.5
21	Leningrad Small	L-14-1	80.0	80.0	8.5
22	VChI	V-15-1	76.5	76.5	-
23	VChl-10	V-15-2	68.0	68.0	13.0
24	Zhelenko	Zh-16-1	67.0	48.0	8.5
25	Sparkdon	S-17-1	67.4	67.4	6.0
26	Da co	D-18-1	104.0	104.0	-
27	Kulzer	K-19-1	71.0	71.0	8.5
28	Yuzhin	Y-20-1	108.0	108.0	-
29	Kerr	K-21-1	41.0	67.0	9.0
30	Kerr 2	K-21-2	57.5	74.5	10.0



name	code	package				
FOR CASTING DENTISTRY MACHINES of the type						
Fornax	F-01-1	0000005472	1 pc			
Fornax - 01-2	F-01-2	00000021936	1 pc			
Fornax with cover	F-01-3	0000009042	1 pc			
Fornax-35	F-01-4	00000024692	1 pc			
Fornax D	F-01-5	0000000000	1 pc			
Manfredi medium	M-02-1	0000001381	1 pc			
Manfredi medium with cover	M-02-2	00000022130	1 pc			
Manfredi small	M-02-3	0000007470	1 pc			
Manfredi Small with cover	M-02-4	0000009043	1 pc			
Manfredi large	M-02-5	00000024759	1 pc			
Minimax	M-03-1	0000005645	1 pc			
Degutron	D-04-1	0000006823	1 pc			
NH-Dent	N-06-1	0000007111	1 pc			
Ducatron	D-07-1	0000007299	1 pc			
Ducatron	D-08-1	0000007684	1 pc			
Degussa	D-09-1	00000010100	1 pc			
Degussa with cover	D-09-2	00000035172	1 pc			
High Degussa	D-09-3	0000000000	1 pc			
Hereus with single rim	H-10-1	0000007085	1 pc			
Hereus with double rim	H-10-2	0000007055	1 pc			

name		code	package			
FOR CASTING DENTISTRY MACHINES of the type						
Aloi	A-11-1	00000015609	1 pc			
Castomat	K-12-1	00000010257	1 pc			
lvocast	I-13-1	00000023952	1 pc			
lvocast-2	I-13-2	00000024757	1 pc			
Leningrad Small	L-14-1	0000005650	1 pc			
VChI	V-15-1	00000024677	1 pc			
VChI-10	V-15-2	00000024758	1 pc			
VChl-10/044	V-15-3	00000036605	1 pc			
Zhelenko	Zh-16-1	00000024747	1 pc			
Sparkdon	S-17-1	00000024690	1 pc			
Ceramic insert for Sparkdon crucible (L 22 d 14)		00000033390	1 pc			
Ceramic shaft for Sparkdon crucible (L 97 d 8)		00000039784	1 pc			
Daco	D-18-1	00000024688	1 pc			
Kulzer	K-19-1	00000024691	1 pc			
Yuzhin	Y-20-1	00000024693	1 pc			
	small	0000007884	1 pc			
Ceramic bowl for moulding	medium	0000025925	1 pc			
	large	0000007911	1 pc			













BELOPRINT

Alginate impression material

PURPOSE

Production of impressions in dental prosthetics and orthodontics.

FEATURES

«Beloprint» is non-dusting powder with short duration of wetting. Its composition includes sodium alginate, calcium sulfate, food flavor and filler.

The optimum compatibility with plaster ensures durable and smooth surfaces on plaster models.

- Impressions are highly elastic and durable
- Soft and hard oral cavity tissues are reproduced precisely
- It provides high quality of the plaster model surface with details precisely reproduced.
- It does not contain preservatives and disinfectants, does not irritate the tissues in the oral cavity.

PACKAGE

code	package	volume			
0000004805	Powder	450 g			
0000004871	Powder	800 g			
RC № FSR 2010/07934 dated 26.09.2017					



Pour water into the powder



The mixing operation should be contunied until homogenous mass is obtained.

BELOPRINT time

PURPOSE

Liquid designed to prolong the operating time of alginate impression materials.

FEATURES

vvv

Белопринт - Тайм

ость 30 мл

- one drop increases the operating time of the alginate impression material by 10-20 s;
- it does not change physical properties of the alginate impression (durability, elasticity);
- it does not affect the duration of hardening of the material in the oral cavity;

белопринт'-Тайм

- · it is biologically compatible, it does not cause allergic reactions;
- it is necessary for dentists in summer or for work with children.

code	package	volume			
00000018843	Liquid	30 ml			
RC № FSR 2010/07934 dated 26.09.2017					

BELOPRINT chromatic

Alginate impression material with indication of operation phases

PURPOSE

Production of impressions in dental prosthetics and orthodontics.

FEATURES

«Beloprint» - chromatic is non-dusting powder with short duration of wetting. Its composition includes sodium alginate, calcium sulfate, filler, structuring indicator and food flavor.

The indicator admixed into the composition enables visual control of definite phases of materials structuring, which facilitates the dentist's work and makes it possible to minimize the cure time of the impression material in the patient's oral cavity.



O The colour indicator enables visual control of materials structuring phases.

- Easy mixing of the material
- High durability and dimensional stability

Indication of materials structuring phases

(three-phase chromatic transition)



violet color mixing phase



purple color filling of the impression tray



blue color insertion into the patient's oral cavity



Impression made of Beloprintchromatic

code	package	volume			
0000007474	Powder	450 g			
RC № FSR 2010/07934 dated 26.09.2017					



BELAST

Condensate-type silicone impression material

PURPOSE

HIGH-VISCOSITY «Belast» (type 0 - solid and type 1 - soft) - obtaining the primary base impression by the single- and double- layer technologies for production of modern types of prostheses. In determining occlusions, «Belast» is used with no other agents.

LOW-VISCOSITY «Belast» (type 3 - obtaining the secondary detailed impression by the two-layer technology for production of modern types of prostheses, and to obtain a functional impression of the toothless jaw in a custom tray and to clarify the boundaries of the prosthetic area for a full removable denture.

MEDIUM VISCOSITY «Belast» (type 2) - obtaining impressions for partial defects of dental rows with high mobility of teeth: for parodontosis, in case of concavities, for fractures of the jaw bones, and for production of prostheses and orthodontic appliance for children.

«Belast» **CATALYST** - hardening (vulcanization) of «Belast» condensation-type silicone impression materials (high-viscosity, medium-viscosity, low-viscosity).

«Belast» **CATALYST** is a multi-purpose gel catalyst for condensation silicone materials in obtaining precise impressions of various hard and soft tissues in the prosthetic area.

When the silicone materials (HIGH VISCOSITY «Belast», MEDIUM VISCOSITY «Belast», LOW VISCOSITY «Belast») are mixed with the catalyst gel, elastic vulcanizate is formed. The catalyst is dozed in accordance with the attached instructions for use of the basic material.

The operation time and the duration of impression vulcanization depend on the amount of the catalyst gel. Increased catalyst amount with increased temperature speed up, and decreased catalyst amount with decreased temperature slow down the hardening process in the silicone mass. It is not recommended to increase the catalyst dosage by more than 25% of the standard value - it may result in changed properties of the material.

Characteristics and properties	Consis	stency	Thickness of lines	Linear shrinkage	Reconstruction after deformation (%)	Compressive deformation (%)	
Material	min (mm)	max (mm)	(mm)	(%)		min (mm)	max (mm)
HIGH-VISCOSITY (type 0, type 1)	28	30	0.075	0.5	99	2	4
LOW-VISCOSITY (type 2)	34	36	0.02	0.65	98.7	3	6
MEDIUM-VISCOSITY (type 3)	38	40	0.02	0.9	97	5	9
requirements of ISO 4823	31	40	0.02 - 0.075	1.5 max	96.5 min	0.8	20

PHYSICAL AND MECHANICAL PROPERTIES OF THE «BELAST» MATERIAL

PERFORMANCE CHARACTERISTICS OF THE «BELAST» MATERIAL

Material	Mixing time	Operating time	Hardening time
HIGH-VISCOSITY (type 0, type 1)	30 s	1 min 30 s	3 min
LOW-VISCOSITY (type 2)	30 s	1 min 30 s	3-4 min
MEDIUM-VISCOSITY (type 3)	30 s	2 min	4-5 min

PACKAGE

code	package	volume
0000001387	High-viscosity (type 0) dense consistency	910 ml
00000000000	High-viscosity (type 1) high-viscosity consistency	910 ml
0000004801	Low-viscosity (type 3) low-viscosity consistency	140 ml
0000004799	Medium-viscosity (type 2) medium-viscosity consistency	80 ml (130 g)
00000047380	Multi-purpose catalyst	60 ml
RC № FSR 2011/1	1999 dated 23.10.2017	

MASSTER

Dental impression thermoplastic material

PURPOSE

It is used in dental practice to produce preparatory impressions and custom trays, to obtain impressions in production of inlays and crowns, as well as to obtain functional and compressive impressions for production of full removable dentures.

FEATURES

«Masster» dental impression termoplastic material is non-toxic polymer (polycaprolactone) with the melting point of about 65° C.



code	package	volume
0000000072	Plates	200 g
00000042017	Granules	200 g
00000050200	Sticks	70 g
RC № FSR 2008/03512 dated 22.11.2017		



ARMOSPLINT

Reinforcement glass fibre

PURPOSE

- on-crown and in-crown fixation (splinting) of mobile teeth;
- retention of teeth in order to fix results of orthodontic treatment;
- tooth immobilization in case of traumatic dislocation or subluxation;
- restoration of defects in the dental row by the direct method;
- production of adhesive prostheses and splinting structures by the indirect method (in the dental technical laboratory);
- crown restoration.

FEATURES

«Armosplint» set includes: glass fibre, glass fibre wetting fluid, «DentLight»-Flow fluid composite, «Belabond» adhesive system.

«Armosplint» glass fibre is special high- modulus woven tape The tape is based on glass fibre filaments woven with polyester microfibres (tape width 2.0 and 3.0 mm, thickness - 0.25 mm). The tape is silanized for better bonding with composite.

- The Armnosplint tape has a range of specific properties:
- · due to its flexibility, it is easily adaptable to roughness of tooth surfaces;
- it can be used in combination with any fluid composite;
- · it can be ground out in case of occasional outcrop from the composite mass;
- moisture resistant;
- it has the same transparency as composite, which makes it possible to avoid problems with colour imitation in restoration treatment (without affecting aesthetic properties of composite), in some cases it may serve as opaquer;
- it does not require special storage conditions, handling in special gloves or usage of any special tools;
- it is cut with normal sharp scissors without getting unwoven;
- it is measured by using a measuring probe or soft aluminium foil applied to the place of the planned splint;
- it is well impregnated with special wetting fluid which ensures firm bonding between the glass fibre and the composite.

«DentLight»-Flow fluid composite is low-viscosity light-cured paste of different shades by Vita scale (A_2 , A_3 , $A_{3.5}$, B_2 , C_2 , OA₃ with cutting edge), which is based on polymer binder and modified finely dispersed filler.

«Belabond» adhesive system consists of the primer and adhesive designed to create firm bonding between the composite and tooth tissues. The primer completely wets the dentine surface and easily penetrates into the dentinal tubules due to its polyfunctional hydrophilic oligomers. Apart from hydrophilic molecules, the adhesive contains polymerizing resins which provide chemical bonding with the composite.

The technology for production and fixation of glass fibre adhesive structures has its advantages, namely:

- quite agile and simple performance technique;
- · gentle preparation of hard tooth tissues;
- aesthetic design (complete colour imitation of natural tooth tissues) due to fibreglass transparency;
- formation of durable properties of adhesive structures due to micromechanical retention and chemical adhesion of the reinforcement tape to the composite material;
- · possibility of repairs and production of a structure in the oral cavity within one visit.

name	code	package	volume
		Tape (90x2x0.25) mm	1 pc.
		Tape (90x3x0.25) mm	1 pc.
		Rope (90x1.0) mm	1 pc.
		Rope (90x1.5) mm	1 pc.
set	00000054948	Fluid composite A2	2 g
		Primer for dentine	5 ml
		Adhesive	5 ml
		Etching gel on organic basis	1 ml
		Wetting liquid	5 ml

name	code	package	volume
	00000054711	tape (90x2x0.25) mm Wetting liquid	3 pcs 5 ml
	00000054936	tape (90x2x0.25) mm Wetting liquid	3 pcs 5 ml
glass fibre	00000054937	Rope (90x1.0) mm Wetting liquid	3 pcs 5 ml
	00000054938	Rope (90x1.0) mm Wetting liquid	3 pcs 5 ml
	00000054939	dental bar (30x2x1.0) mm Wetting liquid	3 pcs 5 ml
RC № FSR 2010/07933 dated 11.09.2017			

COMPOFIX Dental composite cement

PURPOSE

Designed for fixation:

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

FEATURES

The composition of the «Compofix» cement includes: methacrylate oligomers, inorganic finely dispersed filler, chemical and light curing activators and stabilizers.



«Compofix» material pertains to composite materials with a double mechanism of hardening (chemical and light curing). It is manufactured in the form of two pastes - base and catalyst, in various colour shades (A_2 , A_3 , $A_{3.5}$, B_2 , C_2 by Vita scale).

The composite cement resulting from mixing equal amounts of pastes hardens within a short time interval by forming a durable material possessing such properties as adhesion to hard tooth tissues and surfaces of various dental prostheses, optimum hardness and compressive strength, as well as low solubility. It has erosion resistance and releases fluoride.

PACKAGE

name		code	packaging	volume
	A2	0000004870	Base paste	3.5 g
	A3	00000026069	Catalyst paste	3.5 g
set	A3,5	00000026070	Adhesive	5 ml
	B2	00000026071	Silane	5 ml
	C2	00000026072	Gel for enamel etching	5 ml
		00000048915	Base paste A2 Catalyst A3	6.0 g 6.0 g
doronnix		00000045470	Base paste A2 Catalyst A3	6.0 g + 6.0 g
RC № FSR 2011/10983 dated 22.11.2017				

CEMION – F Two-component glass ionomer dental cement

PURPOSE

Fixation of crowns, prosthetic bridges and orthodontic structures, fixation of inlays and dental cores.

FEATURES

«Cemion»-F cement results from mixture of powder and liquid. The powder constitutes crushed aluminium fluorosilicate glass; the liquid constitutes aqueous solution of polyacrylic acid.

«Cemion»-F is radiopaque, it has high mechanical strength, low solubility, good adhesion to enamel, dentine and to the main structural dental materials. The cement provides good marginal sealing, it releases fluorine for a long time period, which strengthens the hard tooth tissues and prevents secondary decay.

«Cemion»-F cement does not cause pain sensations in patients while crowns or prosthetic bridges are fixed.

code	package	volume
00000001240	Powder Conditioner Liquid	20 g 10 ml 15 ml
0000000000	Powder Liquid	35 g 20 ml (25 g)
RC № FSR 2010/079	234 dated 26.09.2017	





TEMPOFIX

Dental material for temporary fixation of stationary dental prostheses

PASTE



FEATURES

«Tempofix» is manufactured in such forms:

- non-eugenol (base paste / catalyst paste);
- eugenol (base paste / catalyst paste).

«Tempofix» dental material is manufactured in two forms:

- paste;
- liquid.

PURPOSE

- fixation of temporary crowns for the period when stationary crowns and prosthetic bridges are produced;
- temporary fixation of stationary non-removable structures for their adaptation in the oral cavity;
- as temporary filling material to cover drugs, as temporary insulation and cavity liner for treatment of deep caries and for delayed or multi-phase treatment of periodontitis.

The dental «Tempofix» material is manufactured in the form of ready-to-use white paste hardening as influenced by moisture. The paste constitutes a multicomponent composition containing calcium salts, zink oxide, and paste former modified with polymer and plasticizer.

In the oral cavity (at the temperature of 37°C), the material hardens within 6-8 minutes. Before use, it is not necessary to dry the stump and crown because the material hardens in contact with moisture. After hardening, the material is sufficiently solid for long-term temporary fixation. When crowns are removed, the hard tissues of the tooth stump are not injured. The procedure is painless.

«Tempofix» material may be used by patients at home since there is no necessity for special preparation of the tooth stump and crown for the fixation procedure.

«Tempofix» (white) non-eugenol paste is a two-component material (paste-paste) without eugenol content. The base paste contains zinc oxide, paste forming agent and modifying additives, the catalyst paste contains natural resins, organic acids and activator.

The material is recommended for use to patients allergic to eugenol.

Eugenol «Tempofix» is two-component material (paste-paste). The base (white) paste contains zinc oxide, paste forming agent and modifying additives, the catalyst (brown) paste contains eugenol, paste forming agent and activator.

The use of the Eugenol «Tempofix» dental material does not affect the quality of further fixation by using composite materials.

LIQUID



PURPOSE

Softening and dilution of cement for temporary fixation on the zinc oxide basis (e.g. eugenol «Tempofix», non-eugenol «Tempofix», «Ortofix-Aqua»-K).

FEATURES

«Tempofix» liquid softens and dilutes the temporary cement layer and facilitates the preparation of a dental prosthesis for permanent fixation. After removal of temporary cement, the structure is ready for permanent fixation.

name	code	package	volume
non-eugenol	00000010185	Base paste Catalyst paste	50 g 15 g
eugenol	00000018704	Base paste Catalyst paste	45 g 15 g
	00000037860	Liquid	125 ml
	00000037861	Liquid	900 ml
RC № FSR 2007/00)835 dated 26.1	2.2017	

FIXATION MATERIALS

PECTAFIX

Material for temporary fixation of removable dentures

«Pectafix» material is manufactured in three forms:

- periodontal gel;
- powder;
- cream (gel).

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PURPOSE

The PERIODONTAL GEL is designed for treatment of inflammatory processes and injures of the oral mucosa, including those occurring in processes of self-tapering and wearing of removable dentures.

The POWDER is designed for fixation of removable maxillar and mandibular dentures, especially with high sensibility of the mucosa, which complicates wearing of dentures. It is recommended for use when new prostheses causing pain sensations are worn.

The CREAM (gel) is designed to fix removable dentures for 8-12 hours. When applied on the denture, the cream serves as a liner by providing calming effect on painful areas of the mucosa.

FEATURES

The composition of the «Pectafix» gingival **gel** includes extra-pure corn seed germ extract, vitamins A and E, essential oils. On an affected gum area, natural plant components of the gel create a protective film which excellently clings to wet surfaces. It prevents ingress of pathogenic microorganisms to the injury surface, thus considerably speeding up the healing process in the affected area. The gel effectively relieves swelling and inflammation, it provides rapid analgesic effect, improves microcirculation in periodontal tissues. It does not impair the natural microflora composition in the oral mucosa, it is easily tolerated when used for prolonged periods.

The gel does not contain ethanol and lidocaine.

The composition of the **powder** includes sodium alginate and pectin - natural polysaccharides providing good adhesion to the mucous membrane, which reduce painful and uncomfortable sensations when removable dentures are worn.

Specially selected adhesive components included in the composition of the «Pectafix» material preserve the integrity of the composition with prolonged absorption of moisture, due to which the «Pectafix» cream (gel) has the following properties:

- it ensures firm and reliable gingival attachment;
- it firmly fixes the prosthesis all the day round;
- it protects the space under prostheses against ingress of food particles during meals;
- it prevents rubbing and gingival inflammation;
- it is easily removed from prostheses.

code	package	volume
0000000090	Cream (gel)	60 g
00000013293	Periodontal gel	10 g
0000000091	Powder	40 g
RC № FSR 2007/00997 dated 01.12.2017		



ORTHOFIX- aqua

Dental cements for orthopedics

PURPOSE

To upgrade the quality of orthopaedic treatment of patients by using fixed dental prostheses, to increase life cycles of crowns and prosthetic bridges, the «Ortofix-Aqua» system of dental watercuring cements was developed, and in includes the following:

- glass ionomer ;
- polycarboxylate ;
- containing calcium for temporary fixation.

«Ortofix-Aqua» cements are designed for stationary (S and P) and temporary (K) fixation of crowns, inlays, dental cores, prosthetic bridges, orthopedic and orthodontic structures.

FEATURES

«Ortofix-Aqua» **CALCIUM-CONTAINING** cement results from mixture of calcium-containing powder with distilled water. The use of the «Ortofix-Aqua» cement for temporary fixation simplifies the procedure of the patient's self-tapering to new orthodontic structures in the oral cavity. It is used in aesthetic purposes to fix temporary crowns for the period when stationary ones are produced, as well as for temporary filling and sealing of tooth cavities.

«Ortofix-Aqua» **POLYCARBOXYLATE** material constitutes mechanical mixture of modified zinc oxide and dry polyacrylic acid. «Ortofix-Aqua» polycarboxylate material provides good adhesion to dentine, enamel and to basic structural dental materials, it has minimum solubility and shrinkage along with high strength. «Ortofix-Aqua» polycarboxylate cement powder is easily mixed with water to form necessary consistency. It does not cause pain sensations in patients while crowns or prosthetic bridges are fixed.

«Ortofix-Aqua» **GLASS-IONOMER** powder constitutes mechanical mixture of aluminium fluorosilicate glass and dry polyacrylic acid. The glass-ionomer cement powder is easily mixed with water to form necessary consistency.

It provides good adhesion to enamel and dentine. It has low solubility and high mechanical strength. The material gradually releases fluorine ions, which prevents secondary decay.

Fixation is performed by using the conventional method, the time of cement hardening in the oral cavity is 5-6 minutes. Hardened cement residues are removed in 10-12 minutes after fixation of dental prostheses.

code	package	volume
0000000087	K powder	30 g
00000055274	K powder	80 g
00000055275	K powder	200 g
000000089	P powder	30 g
0000000088	\$ powder	30 g
RC № FSR 2008/02584 dated 19.12.2017		

ORTOSOL

Set of liquids for treatment of dental impressions

PURPOSE

«Ortosol»-Cleanse is used to cleanse dental tools from alginate and plaster impression masses (concentrate).

FEATURES

«Ortosol»-Cleanse (concentrate) provides high quality of cleansing due to the component included in the liquid composition, which forms water-soluble complexes with calcium ions and with other divalent ions.

The solution is used to remove plaster and alginate from impression trays, mixing spatulas, plaster knives, mixing bowls (including on vacuum mixing devices), orthodontic regulators, etc.



«Orthosol»-Impres is used to preserve the quality of impressions made of alginate materials (it inhibits dehydration and protects impressions against dimensional deformations).

FEATURES

«Orthosol»-Impres contains film-forming agent in easily evaporating filler, it preserves the quality of impressions made of alginate materials, which makes it possible to delay the production of a plaster cast for up to 3 days and enables you to cast a plaster model and a duplicate by using one alginate impression. In storage of impressions made of alginate materials, considerable volumetric changes occur due to water loss and due to the phenomenon of syneresis. «Orthosol»-Impres inhibits dehydration and protects impressions against all types of alginate materials and against dimensional deformations. A treated impression may be be stored in a tightly closed package for three days.

PURPOSE

«Orthosol»-Dent is used to cleanse removable dentures from bacterial plaque, fragments of food or fixative materials, as well as for storage of such dentures (concentrate).

FEATURES

«Orthosol»-Dent contains a cationic quaternary ammonium compound, which determinesthe microbicidal and microbostatic effect of the concentrate, and sorbic acid salt which has a fungistatic effect. The aroma agent creates the feeling of freshness in the mouth when wearing dentures.

«Orthosol»-Dent is used to:

- remove bacterial plaque and stains from the prosthesis;
- prevent inflammatory diseases of the oral cavity for people using removable dentures;
- keep the oral cavity clean and the breath fresh.





code	package	volume	
0000003524	Cleanse liquid	125 ml	
0000025870	liquid	500 ml	
0000004660	Impres liquid	125 ml	
0000025871	liquid	500 ml	
0000025868	Dent liquid	1 L	
0000026073	spray liquid	500 ml	
RC № FSR 2009/04654 dated 01.12.2017			

Dental composite

PURPOSE



Production of dental flippers, prosthetic bridges, dental inlays, dental onlays and other dental prostheses

FEATURES

«Tempocor» is polymer composite material based on multifunctional methacrylates. It is produced in the form of two pastes (base and catalyst paste) of different colour shades (A_2 , A_3 , $A_{3.5}$, B_2 , C_2) by Vita scale. The composite cement resulting from mixture of equal amounts of pastes hardens within a short time interval and forms a durable material.

The material is easy to use:

0:00-0:45 min - filling with the material and placement in the oral cavity;

0:45-3:00 min - hardening and removal from the oral cavity;

7:00-9:00 min - complete hardening and final treatment.

Advantages of the material:

- indicated for long-term prosthetic rehabilitation;
- high fracture strength;
- excellent polishability;
- high colour stability;
- resistant to abrasion influence;
- tight prosthetic margin;
- it does not release monomers and it does not overheat teeth;
- the shape of the structure is easy to correct with fluid composite.

name		code	package	volume
set		0000025914	Base paste A2 B2 A3 Catalyst paste	3.5 g x 2 3.5 g x 2 3.5 g x 2 3.5 g x 2 3.5 g x 6
A2		0000024320	Base paste Catalyst paste	3.5 g 3.5 g
	A3	00000024321	Base paste Catalyst paste	3.5 g 3.5 g
Composite cement	A3,5	00000018845	Base paste Catalyst paste	3.5 g 3.5 g
	B2	00000024322	Base paste Catalyst paste	3.5 g 3.5 g
C2		0000025917	Base paste Catalyst paste	3.5 g 3.5 g
RC № FSR 2012	/13732 do	ated 26.12.2017		

CERAMGEL

Set of gels for processing and repair of orthopedic constructions.

«Ceramgel» is produced in the form of:

- a set of gels (№1 and №2);
- a set of products(gel №1, gel №2, etching gel for enamel, primer-adhesive, opaquer, microhybrid UD composite and microhybrid composite in one of A colours₁, A₂, A₃, A_{3.5}, B₂, C₂).



PURPOSE

Gel №1 is used for ceramics etching when repairing or fixing ceramic restorations, both in the mouth directly and in laboratory conditions.

Gel №2 is used to protect hard and soft tissues of oral cavity and the adjoined restorations from the effect of gel No.1 or hard tooth tissues etching gels.

Etching gel for enamel is used for etching enamel, dental ivory and metal surface.

Primer-adhesive is used for bonding composite with ceramics and metal when restoring ceramic and cermet dentures.

Opaquer is used to mask metal surface and to imitate the colour of natural dental ivory.

«DentLight» universal microhybrid composite is used for restoration of ceramic chipping.

FEATURES

Gel №1 of the «Ceramgel» set is based on hydrofluoric acid (HF), which easily etches ceramics and glass.

Gel №2 of the «Ceramgel» set is based on sodium bicarbonate solution, which neutralizes acidic effect.

Etching gel for enamel is based on 37% orthophosphoric acid.

Primer-adhesive of the «Ceramgel» set contains oligoestermethacrylate, solvent, photoinitiators and stabilisers. Primer-adhesive forms a thin, stable adjoining layer on a ceramic or metal surface, which provides rigid adherence, and facilitates further restoration using any suitable composites.

The base of **opaquer** of the «Ceramgel» set consists of organic multifunctional coupling agent, which is based on inorganic oxides and pigments. The base **of the universal microhybrid composite «DentLight»** consists of:

- high-strength polymer matrix containing Bis-GMA, UDMA, TEGDMA and other oligomers;
- radiopaque nano-filler (80-85 w/w or 62-65 v/v), which presents a combination of modified bariumboronalumosilicate clusters (0.1-3 μm) and nano-sized silica (5-75 nm), which allows to achieve optimum results in combined processability, strength andaesthetics of the material.

code	package volu		
0000001544	Gel No.1	5 ml	
0000001544	Gel No.2	5 ml	
	Gel No.1	5 ml	
	Gel No.2	5 ml	
	Opaquer	3 g	
00000044697	Primer-adhesive	5 ml	
	UD paste	4.5 g	
	Composite paste A2	4.5 g	
	Gel for enamel etching	5 ml	





PACKAGE

code	package
0000025630	300 g
0000025760	2.0 kg
RC № FSR 2012/13252 dated 20.03.2012	

GELIN

Hydrocolloid duplicating mass

PURPOSE

Casting of negative forms in one-stage production of allcast clasp prostheses made of cobalt-chromium alloy using fireproof models.

FEATURES

Hydrocolloid duplicating mass consists of agar-agar, distilled water, ethylene glycol. «Gelin» has high fidelity and provides a smooth surface of the model.

<section-header><section-header>

PURPOSE

SHELLS

for dental crowns

Shells made of stainless steel tape and produced by forged method are used in prosthetic dentistry for dental crowns.

code	Ø, mm	package
0000025000	7	100 pcs
00000024963	8	100 pcs
0000025001	9	100 pcs
0000025002	10	100 pcs
0000025005	11	100 pcs
00000024968	12	100 pcs
0000025064	12.5	100 pcs
0000025203	13.5	100 pcs
00000025189	14.5	100 pcs
0000025010	15.5	100 pcs
00000024967	16	100 pcs
0000025011	17	100 pcs
RC № FSR 2011/10211 dated 05.03.2011		

DISCS FOR PROCESSING OF FILLINGS AND TEETH



PURPOSE

Cement fillings processing. Made of silicon carbide fixed on paper base.

Полимер-Стоматология



400 штук



PACKAGE

Ø	code	package
18.0 mm	00000034841	400 pcs
20.0 mm	0000034842	400 pcs

DISCS Separating rubber

PURPOSE

Treatment of hard tooth tissues, precise and quality cutting of metal constructions of dentures made of cobalt-chromium alloy and stainless steel, dental gaps grooving.

High-quality fused aluminas, which provide high cutting properties of the product, are used as abrasives.



PACKAGE

Ø	code	package
18.0 mm	0000034844	400 pcs
22.0 mm	00000034845	400 pcs

POLISHING POWDER

for dentures

PURPOSE

Removable plastic and metal dentures polishing.

FEATURES

The rouge is a fine-grained quartzo-feldspathic material with a small amount of kaolin.



code	package	
0000024837	2 kg	
Marketing Authorization No. ΦCP 2010/09315 dated 20.04.2011		



PACKAGE

FOR NATURAL TEETH PROCESSING

GRINDING HEADS

name	code	package
	for angle attachn	nent
GU-4	0000026394	10 pcs
GU-6	0000026396	10 pcs
GU-10	0000026397	10 pcs
GUV-10	0000026398	10 pcs
GSV-7	0000026402	10 pcs
f	or straight handp	iece
GU-4	0000026375	10 pcs
GU-6	0000026407	10 pcs
GU-10	0000026408	10 pcs
GUV-10	0000026409	10 pcs
GSV-7	00000026413	10 pcs

FOR PLASTIC DENTURES PROCESSING

name	code	package
for straight handpiece		
GUZ-10.8	0000026404	10 pcs
GKZ-12.5	0000026406	10 pcs
GKZ-12.8	0000026415	10 pcs
GSV-10	0000026417	10 pcs
GSV-12.5	0000026416	10 pcs
GSH-12.5	0000026418	10 pcs

FOR STEEL DENTURES PROCESSING

name	code	package
for straight handpiece		
GU-6	0000026420	10 pcs
GU-4	0000006579	10 pcs
GU-10	0000026421	10 pcs
GUV-10	0000026422	10 pcs
GUZ-10.8	0000008882	10 pcs
GSV-7	0000026423	10 pcs
GSV-10	00000031914	10 pcs
GSV-12.5	0000008883	10 pcs

DENTAL GRINDING HEADS

Produced on ceramic bond.

- GU angular;
- **GK** conic;
- GSH ball;
- GZ cylinder;
 GUV angular
- GUV angular with a groove;
- GSV vaulted;
- **GUZ** angular with rounded top;
- GKZ conic with rounded top;

FOR NYLON DENTURES PROCESSING

name	code	package
f	or straight handpied	ce
GK-6 rough	0000000000	1 pc
GK-6 medium	00000043048	1 pc
GK-6 thin	00000043041	1 pc
GKZ-12.5 rough	00000043042	1 pc
GKZ-12.5 medium	00000043032	1 pc
GKZ-12.5 thin	00000043040	1 pc
GKZ-12.8 rough	00000043043	1 pc
GKZ-12.8 medium	00000043035	1 pc
GKZ-12.8 thin	00000043039	1 pc
GKZ-14.5 rough	00000043801	1 pc
GKZ-14.5 medium	00000043800	1 pc
GKZ-14.5 thin	00000043799	1 pc
GKZ-20 rough	00000043037	1 pc
GSV-10 rough	00000043044	1 pc
GSV-10 medium	00000043033	1 pc
GSV-10 thin	00000043253	1 pc
GSV-12.5 rough	00000043045	1 pc
GSV-12.5 medium	00000043034	1 pc
GSV-12.5 thin	00000043036	1 pc
GU-4 medium	00000043049	1 pc
GU-6 rough	0000000000	1 pc
GU-6 medium	00000043050	1 pc
GU-6 thin	00000043265	1 pc
GUZ-10.8 rough	00000043264	1 pc
GUZ-10.8 medium	0000000000	1 pc
GUZ-10.8 thin	0000000000	1 pc
GSH-12.5 rough	00000043046	1 pc
GSH-12.5 medium	00000043047	1 pc
GSH-12.5 thin	00000043038	1 pc

FOR COBALT-CHROMIUM ALLOY COBALT-CHROMIUM ALLOY (CoCr)

name	code	package
for straight handpiece		
GU-4	0000026435	10 pcs
GU-6	0000026437	10 pcs
GU-10	0000026436	10 pcs
GUV-10	0000000000	10 pcs
GUZ-10.8	0000026438	10 pcs
GK-6	0000026434	10 pcs
GSV-7	0000026440	10 pcs
GSV-10	0000026441	10 pcs
GSV-12.5	0000026442	10 pcs

* It's possible to produce heads of other sizes upon client's request



STEEL CLAMPS ROUND

PURPOSE

Fixation of dentures in the oral cavity.



PACKAGE

dimensions	code	package
Ø 1.0 mm (160 - <i>l</i> =32 mm and 340 - <i>l</i> =25 mm)	00000024969	500 pcs
Ø 1.2 mm (160 - <i>l</i> =32 mm and 340 - <i>l</i> =25 mm)	00000024970	500 pcs

STEEL CLAMPS ROUND (NTi)

PURPOSE

Fixation of dentures in the oral cavity with nitride-titanium coating.



dimensions	code	package
Ø 1.0 mm; L = 25 mm	0000025215	1 pc
Ø 1.0 mm; L = 32 mm	0000025216	1 pc
Ø 1.2 mm; L = 25 mm	00000025214	1 pc
Ø 1.2 mm; L = 32 mm	0000025217	1 pc





ELASTIC GRINDING WHEELS

for grinding machines on rubber bond

PURPOSE

Treatment of crowns and prosthetic bridges made of stainless steel, whole piece dental prostheses of different lengths, clasp whole piece dental prostheses made of cobaltchromium alloys, stamped-soldered crowns on the grinding machine with rotation speed up to 3000 rpm.

PACKAGE

dimensions	code	package
circle Ø 50.0 mm	00000034852	10 pcs
circle Ø 90.0 mm	0000034853	3 pcs



PACKAGE

FOR NATURAL TEETH PROCESSING

name	code	package
PV-12x3	00000034855	50 pcs
PV-14x3	00000034856	50 pcs
PV-16x3	00000034857	50 pcs
CHK-13x4	00000034858	50 pcs
CHK-18x5	00000034859	50 pcs
CHCHV-18x3	00000034860	50 pcs

FOR STEEL DENTURES PROCESSING

name	code	package
PP-50x6	0000008558	10 pcs
PP-65x6	00000034861	10 pcs
PV-18x3	0000007817	50 pcs
PV-20x3	0000007816	50 pcs
CHK-18x5	00000034862	50 pcs
CHCHV-22x3	0000007815	50 pcs

DENTAL GRINDING WHEELS

PURPOSE

Treatment of natural teeth, steel dentures, cobalt-chromium alloys, plastic dentures, (пв, чк, ччв, пп).

- **PV** flat with recess;
- CHK cup conical;
- CHCHV lentils with an undercut;
- **PP** flat straight.

FOR COBALT-CHROMIUM ALLOY COBALT-CHROMIUM ALLOY (CoCr)

name	code	package
PP-65x6	00000034863	10 pcs
PP-50x6	0000005818	10 pcs
PP-20x3	0000008486	50 pcs
PP-14x3	00000034864	50 pcs
CHCHV-22x3	0000008484	50 pcs
CHCHV-18x3	0000008485	50 pcs
CHK-18x5	0000008487	50 pcs
CHK-13x4	00000034865	50 pcs
PV-20x3	00000036982	50 pcs

FOR PLASTIC DENTURES PROCESSING

name	code	package
PP-50x6	00000033177	10 pcs
PP-65x6	00000034866	10 pcs
PP-20x3	00000000000	50 pcs
PV-16x3	00000034867	50 pcs
PV-18x3	00000034867	50 pcs
PV-20x3	00000034868	50 pcs
CHK-18x3	000000000000000000000000000000000000000	50 pcs
CHCHV-22x3	00000000000	50 pcs

FLEXIBLE POLISHING WHEELS

for drilling machines

PURPOSE

Processing of crowns and prosthetic bridges made of stainless steel, whole piece dental prostheses of different lengths, clasp whole piece dental prostheses made of CoCr, stamped-soldered crowns on the grinding machine with rotation speed up to 3000 rpm.

• For fine processing (of grey colour) -

polishing works on drilling machine in case of metal dentures processing.

They may help to make steel and cobalt-chromium products shine.

For rough processing (of green colour) -

primary grinding, rough edges removal, preliminary polishing. They can also be used for processing of precious metals products.



PACKAGE

intended use	Circle Ø	code	package
for fine processing Thickness - 4.0 mm hole Ø - 2.0 mm	18.0 mm	00000034847	50 pcs
	20.0 mm	00000034848	50 pcs
	22.0 mm	0000000000	50 pcs
for rough processing	18.0 mm	00000000000	50 pcs
Thickness - 4.0 mm hole Ø - 2.0 mm	20.0 mm	00000043804	50 pcs
	22.0 mm	0000000000	50 pcs

DENTAL GROOVING WHEELS

on rubber bond

PURPOSE

Precise and quality cutting of metal constructions of dentures made of cobalt-chromium alloy and stainless steel, as well as for dental gaps grooving.

High-quality fused aluminas, which provide high cutting properties of the product, are used as abrasives.



dimensions	code	package
circle Ø 40.0 mm Thickness 1.5 mm hole Ø - 2.0 mm	0000034850	30 pcs
circle Ø 40.0 mm Thickness 1.0 mm hole Ø - 2.0 mm	0000039231	45 pcs



ZT-LAK

Dental varnish

«ZT-lak» material has three forms of packaging:

- varnish;
- stumpflack;
- solvent.

PURPOSE

Modelling in a dental laboratory and making an intermediate layer on the plaster model of the stump in order to form a distance gap under the fixing cement for partial compensation of shrinkage when producing whole piece dental prostheses and for making an intermediate layer on the plaster model of the stump.

FEATURES

«ZT-lak» is viscous liquid coloured with golden, silver, blue or red. When dried, the «ZT-lak» provides non-shrinkable inelastic film which firmly clings to the plaster model. The duration of the varnish film formation is not longer than 2 minutes. One varnish layer film thickness is 5-20 μ m, depending on the colour.



FEATURES

«ZT-lak» **stumpflack** is a viscous liquid coloured with orange. When dried, the «ZT-lak» stumpflack forms a nonshrinkable elastic film which can be easily removed. The duration of the «ZT-lak» stumpflack film formation is not longer than 2 minutes. Film thickness of one varnish layer is 20-30 µm.

The varnish consists of ethyl acetate, polystyrene and a colourant.



PACKAGE

Liquid Liquid Liquid 15 ml 15 ml 30 ml

PURPOSE

Dilution to the required consistency of the <code>«ZT-lak»</code> main composition.



Plaster model with «ZT-laks» of different colours

DENTALCAST

Dental plaster

PURPOSE

«DENTALCAST» 10 type 2 is used in prosthetic dentistry and orthopedic surgery for production of diagnostic, mould casts and retaining bandages.

«DENTALCAST» 30 type 3 is used in dentistry for obtaining split casts of jaws and production of dentition master die models, and also diagnostic and working models of jaws in removable dentures technology.

 ${\rm \textit{*DENTALCAST}}{\rm \textit{*}}$ 30 arti type 3 for models fixation in the articulator.



«DENTALCAST» 50 type 4 is used for:

- · production of split plaster casts of jaws and dies when applying porcelain and ceramic-metal dentures;
- · casting of working models used in production of dental inlays, crowns and prosthetic bridges;
- · production of models for full and partial fixed dentures;
- production of models for implantable prostheses.

«DENTALCAST» 40 type 4 is used to form the working model base.

FEATURES

Name of the material	Proportion water/powder	Duration of setting and solidification, min	Linear expansion in 2 hours, %	Compressive strength in 1 hour, mPa	Colour
DENTALCAST 10 TYPE 2	60 ml to 100 g of powder	3.0 min. - 30.0 max.	0.3 max.	9.0 min.	white
DENTALCAST 30 TYPE 3	30 ml to 100 g of powder	8-14	0.2 max.	20 min.	sky-blue
DENTALCAST 30 ARTI	30 ml to 100 g of powder	3.5-5.5	0.1 max.	20 min.	white
DENTALCAST 50 TYPE 4	22-24 ml to 100 g of powder	8-20	0.15 max.	35 min.	treacle brown
DENTALCAST 40 TYPE 4	22-24 ml to 100 g of powder	8-20	0.15 max.	35 min.	graphite

PACKAGE

Package Plastic container 20/25 kg 5/10 kg



PACKAGE

Flask

5 ml

ACRYGLASS

Polymer material

PURPOSE

Elimination of surface porosity of removable dentures and temporary crowns made of acrylic plastic.

FEATURES

The finishing varnish consists of multifunctional acrylates, initiators and stabilizers.

The finishing varnish is cured under the influence of light curing unit and forms a solid, abrasion-proof, glossy film on a processed surface (of a construction).

A device with a source of light emitting in the wavelength range of 360 - 500 nm is used for photopolymerization.



PACKAGE

Liquid	16 g
Pink powder	3 g
Powder shade on Vita scale A	6 g
Powder shade on Vita scale B	6 g
Powder shade on Vita scale C,D	6 g



PURPOSE

Masking of removable and fixed dentures metal constructions for further application of acrylic plastics. Is used for toning, changing the intensity of colour, creating visual effects in the mass and on the surface of acrylic parts of dentures.

FEATURES

«Acrypack» is available in two components:

- **a powder**, containing methacrylic acid polyethers, fillers and pigments.
- **a liquid**, containing dimethacrylic ether of triethylene glycol.

INDICAST

Liquid carrier

PURPOSE

Auxiliary paste for fixation and firing of full ceramic restorations in an electric vacuum furnace.

FEATURES

Material that was stored or transported under low temperature must be kept under room temperature within not less than 1 hour before use.

Fill the inner surface of the crown with the paste to its junctions. Press the pin into the paste so that it is tightly held in it. Remove excess paste with a spatula or other convenient tool. At the same time it is necessary to ensure that the pin remains in a fixed position.

In case of paste getting on the external surface of the restoration, carefully remove the excess paste with a brush dipped in water. Wait until the surface of the restoration dries, or dry it with a lint free cloth or any other suitable material. Install the restoration into the cell carrier and fire in accordance with the recommendations of the ceramic mass manufacturer. The fixing paste performs its function at a temperature not more than 1100°C.



PACKAGE

Syringe with a paste

12 ml

LABOMARK

Dental liquid occlusion paper marker

PURPOSE

Identification of the fitting accuracy of crowns, inlays, onlays, telescopic crowns, clamps, rubbing surfaces of shifted attachments, as well as for clarifying the occlusion.

Liquid marker marks the areas of the frame that prevent from tight contact, for further correction of the protrusive areas, when the cast frame of the denture and the plaster model mate, for registration of contact points on polished gold or ceramic surfaces. Produced with or without a solvent.

FEATURES

Liquid marker is a viscous, volatile liquid based on isopropyl alcohol and ethyl acetate, coloured in white, red, blue or green, which, when dried, gives a non-shrinkable film. The duration of film formation is no more than 3 minutes. One marker layer film thickness is not more than 10 μ m, regardless of the colour.



Flask with liquid marker	15 ml
Flask with solvent	15 ml



PATTERN PLAST

Polymer modelling materials

PATTERN PLAST LC



PURPOSE

- modelling of the secondary parts of telescopic crowns, inlays, onlays, various parts of the clasp dentures;
- modelling of adhesive bridges of the meryland type;
- modelling of crown-root inlays;
- modelling of constructions for post-implantation prosthetics;
- making temporary joints of soldered constructions;
- blocking of concavities, etc.;
- producing of pin constructions by direct method.

FEATURES

The materials of the Layer «Pattern Plast LC» / «Pattern Plast LC flow», photo-curable, are made in the form of a paste based on methacrylate oligomers.

The materials are ready-to-use coloured photo-curing paste which consists of: polyurethane acrylate; photo-curing activators; stabilizers; technological additives that provide optimum consistency; colourant. The material has the following advantages: short curing time; low polymerizating shrinkage; easy to model and apply directly from the nozzle of the dosing syringe; well distinguishable on the model; easy to process with abrasive tools after curing; burns without residue during the heating of the mold.

Materials cure under the influence of a light source emitting in the wavelength range of 360 - 500 nm.

PATTERN PLAST



PURPOSE

Modelling of:

- inlays and onlays, lingual and vestibular bars, clamps and splinting bars, as well as other parts of clasp prostheses;
- secondary parts of telescopic crowns;
- adhesive bridges of the meryland type;
- crown-root inlays;
- constructions for post-implantation prosthetics.

FEATURES

Self-curing plastic, which is a white powder and a blue liquid, where ethyl methacrylate is used as the main component of the liquid.

This type of plastic is characterized by a short time of gel formation and polymerization, low polymerization shrinkage, almost complete absence of ash after the model combustion.

When modelling plastic is well kept on the model and contrasts with it due to its blue and red colours.

g

g

PATTERN PLAST M



Paste	5 g
Liquid	60 9
Powder	56 9

MATERIAL FOR MAKING INDIVIDUAL TRAYS

PHOTOTRAY

Light-curing polymer material

PURPOSE

- making individual and functional cast trays;
- precise casts for partial and full prosthetics;
- occlusion registration.

FEATURES

The material «Phototray» is a highly filled (>85%) paste based on methacrylate oligomers and consists of: modified fine filler, initiating system, radical polymerization stabilizer, food colourant and perfume. Contraction of the second seco

«Phototray» material advantages:

- the material is preshaped in the form of ready-to-use plates;
- easy to model and form;
- has high bending strength;
- suitable for the most of modern polymerization lamps;
- has no unpleasant odours;
- does not stick to the hands and the tool;
- possesses high dimensional stability.



Plate placed on a plaster model

PACKAGE

Plates

25 pcs

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