F&A MEDICAL

PRODUCT CATALOG

F&A Medical is a group of companies specialized in manufacturing Dental materials and consumables for the Dental sector.

Our mission is to be the leading manufacturing company in the dental field in the world
To deliver ultimate quality and value in our products, programs and services.
Create a network of distributors and representative offices worldwide so that our products can be available in every corner of the world.

Precision is our passion. We live and breathe quality – no ifs and buts about that. Working to such an exceptionally high standard of quality, F&A medical has succeeded in making a good name for itself. Attributes such as reliability, precision and authenticity are of prime importance to us. With optimally trained teams of staff, state-of-the-art machinery, and safe, efficient production processes, we are constantly engaged in what is most important to us: ensuring the lasting, 100% satisfaction of our customers.

F&A Medical has today Dealers in many different countries and we are always looking for new dealers and new partners to work with us.

CONTENT

F&A MEDICAL

COMPOSITES, LINER, CEMENTS AND COMPOSITES KITS

MerFill NANO LC

Multipurpose modern nano-hybrid composite restoration material of high aesthetics

MerFill Nano LC is a multipurpose restoration composite with a unique TRIMODAL filler. Nano-hybrid formula provides MerFill Nano LC with excellent aesthetic properties, perfect polishability and improved manual properties as well as outstanding mechanical and physical characteristics such as X-ray contrast, fracture strength, compressive strength and tensile strength.

INDICATIONS FOR USE:

- High-aesthetic restoration of cavities of class I, II, III, IV and V.
- Making of inlays and onlays.
- Sandwich technology.
- Splinting.
- Stump modeling.

PRODUCT BENEFITS:

- MerFill Nano LC is a combination of well-selected transparent, translucent and opaque materials that guarantees excellent aesthetics of the restorations.
- MerFill Nano LC allows to successfully carry out restorations both on anterior and posterior teeth.
- The fluorescence spectrum of the material is close to the one of the protein of natural teeth which allows to make restoration of the highest level taking into account all modern aesthetic requirements.
- The material has an outstanding «chameleon» effect which allows to disguise it well in the cavity.
- The material is perfectly polished which provides restorations with natural aesthetics.
- MerFill Nano LC has excellent manual qualities - the material is plastic and does not stick to the tool.
- High aesthetic and optical qualities of the material allow to make the restoration according to a classical technique and the technique of layer-by-layer application (the «stratification» method).

IMPROVED MANUAL PROPERTIES:

When developing the material special attention was paid to the improvement of its manual qualities. MerFill Nano LC is quite plastic and at the same time holds its shape well even when heated to the temperature of the human body. At the same time the material does not stick to the tool which allows to apply it easily and quickly and adapt it to the cavity.

PACKING:

Universal nano-hybrid restorative composite, syringe 4 g.
Shades: A1; A1-O; A2; A2-O; A3; A3-O; A3.5; A3.5-O
XBW (Extra Bleach White); BW (Bleach White)
B1; B2; B3; C2; D2; I; IOP
SWOP (Super White Opaquer); UO (Universal Opaquer).

MerFill MICRO

Universal composite material for high-aesthetic restorations

MerFill Micro is a universal microhybrid composite with a unique bimodal filler (average particle size is 0.4 - 0.7 µm for the main filler and 0.02 - 0.04 µm for the nanofiller, the fullness by weight is 79%). The material combines excellent aesthetics and polishability of nanocomposites, and outstanding physical characteristics of the microhybrid composite

INDICATIONS FOR USE:

- Highly esthetic restorations of I, II, III, IV and V cavities.
- Onlay and Inlay.
- "Sandwich" technique.
- Tooth Splinting.
- Crown modeling.

PRODUCT BENEFITS:

- Material fullness is 79% by weight, with an average particle size of bimodal filler:
- main radiopaque phase – 0.4-0.7 microns;
- nanophase – 20-40 nm (nanometers).
- Excellent polishability due to specified filler.
- Excellent manual qualities – the material is plastic and does not stick to the tool.
- High aesthetic and optical qualities – the material allows to make classical technique restorations as well as the restoration of layer-by-layer technique (the "stratification" method).
- Shades of the material have four degrees of opacity:
  - transparent (most clear);
  - enamel;
  - opaque (dentin shades);
  - superopaque (for cavities with high discoloration of dentin).
  - High physical characteristics of the material, in particular:
  - bending strength – 115-125 MPa;
  - compressive strength – 410 MPa.
- The fluorescence spectrum of the material is close to the fluorescence spectrum of the protein of natural teeth, which allows to make restoration of the highest level when all modern requirements of aesthetics are taken into account.
- The material has a pronounced «chameleon» effect which allows it to be masked in the cavity due to internal reflection and dispersion of light

PACKING:

F&A MerFill Micro - Universal micro-hybride restorative composite, syr. 4g.
Shades: A1; A1-O; A2; A2-O; A3; A3-O; A3.5; A3.5-O
XBW (Extra Bleach White); BW (Bleach White)
B1; B2; B3; C2; D2; I; IOP
SWOP (Super White Opaquer); UO (Universal Opaquer).

MerFill BULK

Highly Filled Composite for posterior teeth

MerFill Bulk is a light-cured, radiopaque fluoride-containing composite restorative material. It is intended for sealing of I and II class cavities. MerFill Bulk possesses high degree of transparency and very low shrinkage at polymerization (1.63%) which makes it possible to draw it by layers up to 5 mm thick with the minimum polymerization stress. The material is very soft, can be perfectly modelled and it also adapts well in a cavity. It doesn't stick to dental instruments

INDICATIONS FOR USE:

- As a replacing dentin basic layer of a composite material in I and II classes direct restorations.
- In "sandwich" technique.
- For crown buildup.

PRODUCT BENEFITS:

- The high filler content of material (82%) provided by a new formula of a bimodal filler with average size of particles: main X-ray contrast phase – up to 8 microns; nanophase – 10-30 nanometers;
- It can be perfectly combined with all types of opaque and enamel composite materials based on methacrylate intended for esthetic modeling of enamel surfaces;
- Low polymerization shrinkage (less than 1.63%) is especially important when a dentist seals big cavities in one placement;
- Excellent manual qualities – the material is very soft, plastic and doesn't stick to a tool;
- The Coefficient of Thermal Expansion (CTE) is very close to the one of tooth tissue – 24 x 10-6 cm/cmoC that provides the absence of thermal stresses in the restored tooth which can appear during meal ("hot-cold");
- High physical characteristics of the material, in particular:
- Flexural Strength – 120 MPa;
- Compression Strength – 270 MPa
- It is manufactured in a universal transparent shade – U for ensuring the maximum depth of polymerization;
- Uncured material has the increased resistance to natural and artificial lighting that allows to carry out long modeling without risk of premature polymerization of the material;
- The material is radiopaque and contains fluorine.

METHOD OF USING:

1. MerFill Bulk is applied and polymerized in one portion, with depth up to 5 mm.
2. Filling the volume of lost dentin with portions up to 5 mm thick (and not in layers) significantly reduces the time spent on restoration.

Attention! MerFill Bulk material requires overlap with a universal composite. We recommend MerFill Micro.

PACKING:

MerFill Bulk is packed in 4 g syringes. Shades A1, A2, A3, U (Universal).

MerFill RAINBOW

Color light-cured flowable restorative composite with a pronounced effect of pearl shine or fluorescence

New color, light-cured composite material with a pronounced effect of pearl shine or fluorescence for filling (mainly) milk teeth. Suitable for restoring erosive, damaged, discolored, and structurally deficient dental dentin and enamel.

INDICATIONS FOR USE:

- Direct and indirect restorations for individualization of the restored teeth.
- Restoration of temporary teeth in pediatric dentistry.
- Sealing of fissures.
- Restoration of cavities of I, III, V classes with minimal invasion.
- Cavity after “tunnel” preparation.
- Restoration of small defects in indirect and direct aesthetic restorations.
- Reconstruction of temporary restorations.
- Temporary inlays.
- Marking of sealed canals facilitating their search during refilling process.

PRODUCT BENEFITS:

- High aesthetics due to a good balance of opacity and light reflection.
- Fluorine release due to the presence of fluorine-containing filler provides long anti-carious activity.
- The material is perfect for pediatric dentistry. Facilitates visual control for parents.
- Superb bright colors turn the child’ visit to a dentist into an interesting game.
- High motivation of children for treatment.
- Excellent color stability.
- Simple, quick and easy use, which is very important in pediatric dentistry.
- Excellent flowability of material facilitates application.
- It is cured by standard dental curing lamp.
- Provides convenience and ease of work.

COLORS

PACKING:

MerFill Rainbow Syringe 3 g. Shades: Green-Fluo, Pink fluo, Purple-Fluo, Lime-Fluo, Orange-Fluo, Green-Pearl, Pink-Pearl, Blue-Pearl, Golden-Pearl, Clear Red, White.

MerFill Paint

Flowable Composite Paints

MerFill Paint – flowable composite paints which combine a high degree of aesthetics, ease in use and comfort in work.

INDICATIONS FOR USE:

MerFill Paint is used:

- As masking agents for tooth tissues with changed color.
- For direct and indirect restorations for individualization of restored teeth;

PRODUCT BENEFITS:

- Provides natural individualization of highly aesthetic restorations.
- Convenient application and practical use.
- High covering ability.
- Comfortable consistence.
- Available in four shades.

SHADES OF COMPOSITE PAINTS:

- Ochre – for color correction of different teeth areas (cracks in young and aged teeth, tobacco stains and etc.).
- White – for imitation of some specific teeth areas (hypercalcification, fluorosis and etc.).
- Grey (Grey-Blue) – for specification of cutting edge (blue glow of young enamel, underlining transparent shades).
- Brown – for creating of natural color of fissures.

PACKING:

MerFill Paint is packed in 3 g (2 ml) syringes.

MerFill MR

Modeling agent for wetting of composite materials

MerFill MR is a 30% filled universal radiopaque light cured composite modeling agent which improves the adaptation of composite materials to hard tooth tissues and prevents the composite from sticking to the instruments.
MerFill MR can be used with any micro-hybrid composite restorative materials.

INDICATIONS FOR USE:

- Composite moisturizing material MerFill MR is used in the process of applying composite layers in case if the composite becomes too dry during layering and / or the oxygen-inhibited layer was removed (by contact with liquid) or destroyed (erased).
- MerFill MR helps to improve the glide of the instrument during sculpting and contouring.

PRODUCT BENEFITS:

- Provides natural individualization of highly aesthetic restorations.
- Convenient application and practical use.
- High covering ability.
- Comfortable consistence.
- Available in four shades.

METHOD OF USING:

To restore the oxygen-inhibited composite layer:

1. Remove a lock cap and attach the tip to syringe.
2. Apply a thin layer of MerFill MR over the cured composite layer. Blow air.
3. Then apply a new layer of the composite restorative material.

To facilitate the tool sliding:

- Apply a small amount of the material onto the instrument or onto the uncured composite.

PACKING:
MerFill MR is packed in 3 gr. (2 ml) syringes/ cannulae set – 3 pcs.

MerFill LINE

A light-cured one-component lining material having high biocompatibility and the ability of long-term fluoride release

MerFill Line is a radiopaque light-cured one-component liner and a base for restoration. MerFill Line has a high biocompatibility and it is able to release fluoride for a long time due to the content of complex fluorides, hydroxyapatite and calcium hydroxide. The liner possesses its own adhesion to the dentin.

INDICATIONS FOR USE:

- It is used as a lining material for cavities and as the base for restorations

PRODUCT BENEFITS:

- Radiopaque light-cured one-component material (liner/base) for restorations.
- It contains calcium hydroxide, hydroxyapatite, complex fluorides, adhesion enhancers in a unique methacrylate matrix.
- Possesses good adhesion to dentin.
- It has high biocompatibility and is able to release fluoride for a long time.
- It has a high degree of opacity which makes it a good basis for subsequent restoration.

METHOD OF USING:

- Prepare the cavity, clean and dry it thoroughly. Be sure that no traces of eugenol are left in the cavity. MerFill Line lining material should not be used in combination with the eugenol- containing materials. It is recommended to use eugenol-free temporary cements.
- Apply a layer of the liner onto the surface of dentin using a small round probe. MerFill Line is applied only onto the surface of dentin, it should not be applied onto the surface of enamel.
- Direct exposure of day light onto the material should be avoided as this can make the material to be cured prematurely.
- The thickness of the first layer should be no more than 0.3 - 0.5 mm. Cure for 20-30 seconds. The light guide should be positioned as close as possible to the surface of the material.
- If it is necessary to apply a thicker layer apply a second layer (not more than 1.5 mm thick) and light-cure it.

PACKING:
MerFill Line *is packed in 3 g syringes.*

4 pcs. Micro (4 g), 2pcs. Flo (3 g), 1 pc. Bulk (4 g), 1 pc. Bond (6 ml) and 1 pc. Phospho (5 ml).

MerFill Micro Universal kit

4 pcs. Nano (4 g), 2 pcs. Flo (3 g), 1pc. Bulk (4 g), 1 pc. Bond (6 ml) or Bond SE (6 ml) and 1 pc. Phospho (5 ml).

MerFill Nano Universal kit

9 pcs of colored composites for children (2 g each), 1 Bond SE 3 ml.

MerFill Rainbow kids kit

F&A DUACEM

Universal polymeric strengthened adhesive cement of double curing

It is intended for cementing inlays and onlays, and is also used as a basis for the erection of a composite stump. F&A Duacem is also recommended for fixing fiber splinting systems, metal, fiberglass and carbon fiber pins and veneers.

INDICATIONS FOR USE:
- Cementation of inlays and onlays.
- Cementation of fiber splinting systems, metal, fiberglass and carbon fiber pins and veneers.
- Fixation of indirect restorations.
- As a basis for the construction of composite stump.
- Cementation of stump inlays.
- Fixation of adhesive bridges.

PRODUCT BENEFITS:
- Insoluble in oral fluids.
- Contains fluorides.
- Radio contrast material.
- Thixotropic with excellent flow characteristics.
- Possesses extremely small film thickness (less than 8 microns) and a high filler content.
- Possesses excellent adhesion to dental tissues, metal and ceramics.
- Universal shade CHM (Chameleon).
- System: paste/paste.

METHOD OF USING:
- During bonding procedures, careful control of oral fluids is needed to prevent contamination of the prepared are and of light-cured cement. Good result s can be achieved by using cofferdam, retraction of the gums by threads and cotton rollers in combination with the evacuation system (saliva ejector).
- Place equal amount of Paste A and Paste B on a mixing pad.
- Mix two Pastes for about 20 seconds until a homogeneous mixture is obtained.
- If a clinical case requires only chemical curing, then the material's working time at a temperature of 23 °C is 120 seconds. Full curing of the material occurs after 6 - 8 minutes. In the case of light curing, the cement reaches strength after 20-30 seconds of irradiation.
- Apply a thin layer of the mixed paste on the restoration and on the surface of the cavity and place the restoration into the cavity. Avoid applying excess material onto the restoration as well as onto the walls of the cavity.
- Remove excess material with an appropriate tool. Avoid excessive removal of the material especially at the border of restoration and cavity. A slight excess of material may be left, if necessary.
- Cure the material with a curing lamp in places where it is possible. While fixing ceramic or composite restorations, cure F&A Duacem by directing the lamp light through the restoration.
- During the fixation of restoration in this way a longer exposure time is required. The exposure time depends on the thickness of the restoration
- To prevent the formation of the layer inhibited by oxygen use a barrier gel.

PACKING:
F&A Duacem *Set of 4 syringes of 2 gr. (2 syr. of Paste A and 2 syr. of Paste B)*

F&A DuaCem FR

Dual-cure fiber-reinforced composite cement

INDICATIONS FOR USE:

- Can restore the coronal stamps
- Can be used for composite and ceramic restorations
- Can make stump in lays
- For restoration in sandwich technique with nano composite and micro .
- Pins fixation.

PRODUCT BENEFITS:

- This advanced composite material features a unique blend of specialized glass fibers and finely dispersed radiopaque glass filler. The combination offers exceptional average flexural strength, reaching around 150 MPa for both curing methods, alongside a reliable minimum compressive strength of approximately 300 MPa. These properties establish a robust and durable foundation for both direct and indirect restorations.

- The product excels in core build-up application,showcasing outstanding performance.
- To optimize its shelf life, refrigeration is recommended, although it remains stable at room temperature for prolonged usage.
- DuaCem FR undergoes a chemical curing process that takes only minutes, while light curing results in rapid hardening. Both curing methods are suitable for all areas accessible forlight curing.

TECHNICAL SPECIFICATIONS:

- Polymerization method: dual polymerization.
- Working time: at least 90 seconds at 23°C.
- Curing time: approximately 3-5 minutes at 37°C.
- Light curing: 20 seconds for a layer up to 2 mm thick or 40 seconds for a layer up to 4 mm thick.
- Please take into account that the provided data is based on a temperature of 23°C and relative humidity of 50%. These values might vary depending on storage conditions, temperature, and air humidity. Higher temperatures can reduce the material's working time.

PACKING:

F&A DuaCem FR *is packaged in twin syringes, available in either 4.2 g or 8.4 g sizes, with one syringe containing component A and the other syringe containing component B.*
Shades: A2 , A3 ,WO, Chameleon (CHM)

MerFill FLO

Highly flowable multi-purpose light-cured composite which provides simplicity and ease in work as well as excellent aesthetics, color stability, durability and versatility

It is used to repair defects of enamel, erosion, discolored and structurally insufficient tooth enamel, acrylic veneers and minor defects in ceramic veneers. It is also perfect for fixing of laminated veneers.

INDICATIONS FOR USE:

- Direct restoration of enamel defects (white and tetracycline stains, erosion, discoloration, etc.) with minimal tooth preparation or without preparation.
- Coating of discolored surfaces of anterior teeth and amalgam restorations (MerFill FLO UO (Universal Opaquer)).
- Filling cavities of V class.
- Aesthetic correction of restorations made with traditional composites. Masking and damping lining for ordinary composite. Finishing coating of composite fillings with a high degree of polishing.
- Renovation of defects in ceramic and acrylic veneers;
- Cementation of veneers;
- Fixing of splinting systems.

PRODUCT BENEFITS:

- Fluidity which allows to put material into the cavity directly from a syringe;
- High modulus of elasticity in combination with adhesive properties providing a perfect edge fitting.
- The ability to adapt to the cavity and fill all small grooves allows a dentist to use this material while fillings with ordinary hybrid composites.
- High degree of adhesion with etching enamel allows to work with small enamel defects without bonding systems.
- The composite can be polished up to a brilliant shine.
- High color stability and durability.
- A wide range of shades.

PACKING:

MerFill Flo *Flowable multipurpose composite, syringe 3 g.*
Shades: A1, A2, A3, I, A3,5, B2, UO, Red GUM.

F&A MEDICAL

ADHESIVE

MerFill BOND

Improved one-component adhesive providing excellent bonding to dentin, enamel, composites, ceramics, metals and amalgam stability, durability and versatility

MerFill Bond is an advanced one-component adhesive system that provides one of the highest levels of adhesion among one- component adhesives. The adhesion strength of MerFill Bond to the etched dentin is 17-40 MPa after 24 hours (depends on the individual laboratory test).

INDICATIONS FOR USE:
- Adhesive system for composite restorations (including flowable composites).
- Adhesive varnish for “cavities for amalgam restorations”.
- Protective varnish for ultra-sensitive areas of teeth.

PRODUCT BENEFITS:
- Compatible with most photopolymer restoration materials and cements.
- Includes components (Bis-GMA, HEMA, phosphates) that provide high adhesion strength: to enamel - 26.6 MPa, to dentin - 26.5 MPa (after 24 hours).
- Easy in use.
- Long shelf life without refrigeration.
- Economical in use.
- Excellent bio-compatibility, the material does not contain acetone or other compounds that irritate the pulp.

INDICATIONS AND PRECAUTIONS:
- In case of restoration of the V class cavities (cervical defects) the adjacent edges of the enamel should be beveled and etched in the usual way.
- Before etching dentin and adjacent enamel should be pre-cleaned with a polishing paste (free of fluorine), washed and lightly dried with compressed air that does not contain oil impurities

METHOD OF USING:
- After etching apply the adhesive with a brush in the same way as varnish for cavities is usually applied.
- Cover the etched area with one or two layers of MerFill Bond in series. A single layer may not be enough. Do not rinse. Do not allow contamination of the working area.
- Light cure for 10 seconds.
- Then fill the cavity with a light-cured composite material or cement.

TREATING OF HYPERSENSITIVE CERVICAL AREAS:
- Clean the cervical area of hypersensitive tooth with prophylaxis paste and rubber cup.
- Wash the paste out with water.
- Dry with air free of oil.
- Avoid overdrying of dentin.
- Apply MerFill Bond in the same way as for direct restorations.

PACKING: **MerFill Bond** *in a botle of 6 ml*

MerFill BOND SE

MerFill Bond SE is a self-etching single-component light curing adhesive which provides excellent bonding to dentine, enamel, composites, metal and amalgam.

MerFill Bond SE contains phosphoric acid methacrylate esters and maleic acid-modified methacrylates which being placed in aqueous surroundings will provide the moderate etching the surfaces of dentin and enamel to allow for the chemical and micromechanical bonding of a restorative material to tooth tissue.

INDICATIONS FOR USE:

- Self-etching adhesive system for restoring all classes of cavities (according to Black) with the use of composite and compomer restorative materials (including flowing materials).
- Adhesive system for fixing indirect restorations with composite and compomer materials and ceramics with the use of composite double-curing cements.
- Protective varnish for the cervical areas of the teeth.

PRODUCT BENEFITS:

- Guarantees a simple, fast and economical application technique.
- Contains components that provide elasticity when working with all types of composites by creating an elastic hybrid layer. Such elastic hybrid layer reduces the risk of microleakage due to high elasticity and resistance to kinking. It also contains surfactants (surface active co-polymerized components) that facilitate penetration of the resin into the dentinal tubules.
- A special co-polymerized solvent in combination with a very small amount of ethyl alcohol as a carrier solves the problem of rapid evaporation of the excess (undesirable) solvent and at the same time ensures the penetration of the adhesive into the dentinal tubules.
- Does not contain acetone or other compounds that irritate the pulp.

METHOD OF USING:

- To increase adhesion when working on the enamel area of the tooth, additional etching of enamel areas is recommended before applying the adhesive.
- Unprepared enamel must be thoroughly cleaned with a polishing paste or with the intraoral sandblasting machine. Etching of the enamel is fulfilled with the help of standard etching gels for 15–20 seconds.
- The prepared enamel can be selectively etched to increase adhesion. Apply etching gel to the enamel, including the overhanging edges of the enamel. Leave for 15–20 seconds. Rinse well with water, then air dry. Do not overdry.

PACKING: **MerFill Bond SE** *in syringes of 3 ml or in bottles 6 ml.*

F&A PhosPho

Etching gel containing 37% of orthophosphoric acid with the addition of antiseptic.

F&A PhosPho – etching gel containing 37% of orthophosphoric acid. Does not contain silicon dioxide, has a strong thixotropic effect.

INDICATIONS FOR USE:
- Acid etching of dentin and enamel.

PRODUCT BENEFITS:
- Contains 37% of orthophosphoric acid.
- Does not contain silicon dioxide.
- Gelling agent - biopolymer.
- The blue color of the gel simplifies the work (application control).
- Contains antiseptic (8-hydroxyquinoline - sulfate).
- Has a strong thixotropic effect.
- Supplied in 5 ml syringes with very thin tips which provide accurate and safe application of the gel only in areas where it is necessary to etch.
- Convenient and easy in use.
- The gel is washed out with water instantly.

METHOD OF USING:
- Apply the gel only on the enamel completely covering the area of the bevel.
- After 15 seconds apply the gel onto the dentin.
- After another 15 seconds thoroughly wash out the entire gel with water and air dry.
- After the process of etching the enamel should be of a white- chalk color (for milk teeth a second etching is recommended during 90-120 seconds).

INDICATIONS AND PRECAUTIONS:
- The working surface must be thoroughly cleaned before etching. If this has not been done, it is necessary to re-apply the gel, wash it off with water and dry the surface.
- Avoid getting the gel on soft tissues of the mouth, on the skin and in the eyes. If this happens immediately wash off

PACKING: **F&A PhosPho** *in a 5 ml syringe / 10 ml.*

F&A MEDICAL

ADHESIVE FIBERGLASS SYSTEMS

F&A Fiber Rope & F&A Fiber Tape

Fiberglass reinforced ceramic fibers for teeth splinting formed into cords - F&A Fiber Rope or tapes - F&A Fiber Tape

Dental splinting materials – special tapes and cords made of glass-ceramic fiber. These tapes and cords are fixed to the tooth tissues with the help of bonding adhesive systems used in a daily dental practice.

INDICATIONS FOR USE:
- Periodontal splinting of anterior and posterior teeth.
- Immediate replacement of extracted teeth.
- Production of temporary and long-term adhesive bridges.
- Stabilization of re-implanted or damaged teeth.
- Temporary reinforcement of implant-based bridges.
- Post-orthodontic retention.

PRODUCT BENEFITS:
- The fibers are reinforced with special glass ceramic.
- They are silanized, contain unfilled adhesive resins that increase adhesion with bonding systems and flowable composite cements.
- Provide high aesthetics.
- The elasticity module of tapes and cords of the F&A Fiber system is comparable to that of most composite restoration materials.
- Flexible, durable and wear-resistant.
- Easy to use, do not require special scissors and do not need using of special gloves for manipulation.
- It is easy to use them in the mouth as well as during fixing of prostheses in the laboratory.

PACKING: **F&A Fiber Tape** – *3 tapes of 9 cm each (total length 27 cm), width 2 mm.*
F&A Fiber Rope (1,5 мм) – *3 cords of 9 cm each (total length 27 cm), diameter 1.5 mm.*
F&A Fiber Rope(3 мм) – *3 cords of 9 cm each (total length 27 cm), diameter 3 mm.*

Kit № 1 – (0,7 x 1,4 x 30 mm) – 12 pieces
Kit № 2 – (1,0 x 4,0 x 30 mm) – 4 pieces
Kit № 3 – (1,8 x 30 mm) – 6 pieces

F&A Fiber Bulk

Highly aesthetic fiber bulks for making adhesive bridge prostheses

Adhesive bridge prostheses allow to completely eliminate or delay the use of traditional methods of indirect prostheses in which there is a great loss of tooth tissues.

INDICATIONS FOR USE:
- F&A FiberBulks are made of transparent quartz fibers bonded to each other with high-strength epoxy binder.
- The refraction indices of epoxy resin and quartz fibers are carefully selected and very close, which makes it possible to mask the bulk well with a composite material.
- Indicators of elasticity, elasticity and thermal expansion are close to those of the dentin of the tooth.
- Surface roughness of the bulks of about 10 microns facilitates micromechanical adhesion to the composite.
- Excellent aesthetic result.
- Inertness and biocompatibility with living tissues of the tooth.
- F&A FiberBulks do not require special treatment.

F&A FiberBulk	Bulk SIZe (INCHES)	Bulk SIZe (mm)
F&A FiberBulk # 1	0.02756 x 0.05512 x 1.1811	0.7 x 1.4 x 30
F&A FiberBulk # 2	0.03937 x 0.15748 x 1.1811	1.0 x 4.0 x 30
F&A FiberBulk # 3	0.0787 x 1.1811	1.8 x 30

PACKING: **F&A Fiber Bulk № 1** – *(0.7x1.4x30 mm) - 12 pieces*
F&A Fiber Bulk № 2 – *(1.0x4.0x30 mm) - 4 pieces*
F&A Fiber Bulk № 3 – *(1.8x30 mm) - 6 pieces*

F&A MEDICAL

PROPHYLAXIS

F&A Biflu

Bifluoride varnish

Bifluoride varnish for fluoridation of teeth, treatment of tooth tissue hyperesthesia, prevention of caries and sealing of dentinal tubules.

INDICATIONS FOR USE:

- Fluoridation of teeth for dental caries prevention.
- Local fluoridation after therapy and polishing procedures.
- Decrease of sensitivity of hard tissues of the teeth
- Sealing of the dentinal tubules and creation of a protective barrier in the cavities.
- Erosion protection in the cervical areas.
- Insulation of the tooth surface of the teeth after mechanical processing.
- Post-operative treatment of enamel areas affected by acid.
- Local inhibition of bacterial activity.

PRODUCT BENEFITS:

- F&A Biflu is a quick-drying chemical varnish, comfortable for both the doctor and the patient.
- Contains calcium and sodium fluoride micro-suspensions.
- The high flowability of F&A Biflu allows you to form a fairly thin layer, which is very convenient especially when protecting areas close to the root canals.
- Contains thymol which provides a good antibacterial effect.
- Fluorides of calcium and sodium are sources of fluoride ions which fill tooth tissues and have a strong therapeutic effect in isolating the bottom of the cavities, as well as they are topically used as a prophylaxis against caries.
- The material is transparent and does not cause discoloration of the teeth.

METHOD OF USING:

- Surfaces to be treated with F&A Biflu must be thoroughly cleaned and air dried.
- Soak a foam applicator with one or two drops of the drug and then apply the drug with a thin layer on the surfaces which should be treated.
- To isolate cavities use an application brush with the help of which you should apply a layer of F&A Biflu on the walls and bottom of the prepared cavity.
- Avoid forming a layer that is too thick as a thick layer is easier to be removed from the surface of the teeth.
- Let the varnish soak into the tooth tissue for a few seconds and then dry the treated surface with air.
- After drying F&A Biflu forms a waterproof film that, if properly applied and properly cured, remains on the teeth for several days.

PACKING: **F&A Biflu** *in a 10 ml bottle, a set of applicators.*

F&A Biflu LC

One-component light-cured fluor-varnish and sealant of dentin tubules

Light-cured bi-fluoride varnish for the treatment of tooth tissue hyperesthesia, caries prevention and sealing of dentinal tubules.tubules.

INDICATIONS FOR USE:

- Prevention of caries.
- Tooth fluoridation.
- Decrease of sensitivity in areas adjacent to the root canals.
- Protection from carious in the cervical areas.
- Local fluoridation after routine therapeutic procedures and polishing.
- Local suppression of bacterial activity.
- Post-operative treatment of the etched enamel.
- Insulation of the tooth surface of the teeth after mechanical treatment.
- Insulation of cavities which creates a protective barrier.
- Sealing of dentinal tubules.

PRODUCT BENEFITS:

- Includes active micro-suspension of calcium fluoride and bioactive glass containing calcium fluoride phosphate.
- Optimum flowability allows to form a fairly thin layer which is very convenient especially for protecting areas close to the root canals.
- F&A Biflu LC also contains timol which has a strong antibacterial activity.
- Components of the varnish are suppliers of ions of fluoride, calcium and phosphorus saturating tooth tissues and having a strong therapeutic prophylactic effect.
- Light-cured varnish.
- F&A Biflu LC is transparent and does not cause discoloration of the teeth.

METHOD OF USING:

- Surfaces to be treated with F&A Biflu LC must be thoroughly cleaned and air-dried.
- Put a drop or two of the varnish on the mixing pad.
- Apply a thin layer of the varnish on the surfaces to be treated with the help of applicator. Avoid making a too thick layer.
- Let the varnish soak into the tooth tissue for a few seconds and then dry the treated surface with air.
- Light-Cure the applied layer with a Light Unit (usually 10 seconds is enough).
- Remove the layer inhibited by oxygen with a cotton roller.
- In case of proper application and proper oral care the material stays on the surface of the teeth for several weeks.
- To put the varnish onto the bottom of the cavity place a drop of F&A Biflu LC on the application brush and apply a layer of it on the walls of the cavity to be prepared.
- Let the varnish soak into the tooth tissue for a few seconds and then dry the treated surface with air.
- Finally F&A Biflu LC forms a film insoluble in water environment.
- The application of F&A Biflu LC is followed by a standard therapeutic procedure.

PACKING: **F&A Biflu LC** *in 3 g syringe, set of delivery fips.*

F&A Zure CaPF

Chemically Activated Gel for Tooth Remineralization based on amorphous phosphates and calcium fluoride

F&A Zure CaPF is a two-component oral gel product providing the remineralization and desensitizing teeth. The product contains a water soluble calcium phosphate salts, potassium nitrate, compounds containing fluoride ions and some other compounds. When mixed and applied on teeth, the Components A and B generate the formation of hydroxyapatite and fluorine apatite formation on teeth tissue and provides desensitizing effect on the tissues of the teeth.

INDICATIONS FOR USE:

- Caries prevention of tooth decay and milk molars.
- Caries in the stage of spot.
- Pathological abrasion of teeth (bruxism).
- High sensitivity of the teeth.
- During orthodontic treatment and after it.
- After the professional care.
- Before and after teeth whitening.
- Fluorosis.
- Erosion of the enamel.
- In case of insufficient or unbalanced nutrition

PRODUCT BENEFITS:

- Provides remineralizing and desensitizing effect.
- Contains fluorine compounds in concentration that ensures the presence of about 1,100 ppm of fluoride ions which provides a strong carious protective effect.
- It has a neutral acid-base balance which helps to avoid irritation of the gum tissues.
- The presence of a small amount of hydrogen peroxide in the gel composition contributes to a slight whitening of the teeth.
- It has a pleasant taste and smell.
- The gel as anti gingivitis action.
- It is perfect for the procedure following the teeth whitening.

METHOD OF USING:

- Before the beginning of treatment, a professional hygiene complex is carried out: the hygienist must remove hard supra-and sub - gingival dental deposits, pigmented plaque. If there are diseases of periodontal tissues or there is damage of the mucous membrane of the oral cavity a restorative treatment should be carried out within 3 - 10 days so that the kappa does not irritate the gingival margin. The oral cavity must be sanitized: all teeth destroyed by the carious process should be treated and all traumatic factors should be eliminated.

PACKING: F&A Zure CaPF *– 2 syringes of 5 ml each(Component A and Component B).*

F&A FisFil

Light-curied fluorine-containing composite material for fissure sealing

F&A FisFil is a photopolymer fluorine-containing composite material for sealing fissure sealing with improved thixotropy and a high degree of adhesion to etched enamel.

INDICATIONS FOR USE:
- Sealing of fissures and pits.
- Performing micro-restorations.
- Using as the first layer for large composite restorations in cavities with a C-factor equal to 5.

PRODUCT BENEFITS:
- Filling – special bioactive glass containing calcium- flour-phosphate;
- Prolonged output of ions of fluoride, calcium and phosphate which can re-mineralize tooth tissues and prevent caries.
- The average size of the bioactive filler particles is 0.4 microns.
- High fullness of material (about 50%).
- Excellent abrasion resistance and durability.
- Thixotropic.
- Radiopacity.
- Rheological additives facilitate the penetration of the material into the narrow fissures and pits.
- High adhesion to etched enamel.
- Available in two colors: transparent opal (Clear) and opaque white (White).
- Perfect disguise (White).
- Control over fissure sealing for a long time (Clear).

METHOD OF USING:
- Thoroughly clean the surface for filling and treat it with etching gel containing orthophosphoric acid and antiseptic additives (F&A PhosPho). Etching time - about 15 seconds (for milk teeth - 90-120 seconds). Then wash with plenty of water.
- The etched surface of the tooth should be white-blue and after drying NO saliva, moisture or any contaminants should be allowed onto this surface.
- Dry the etched surface thoroughly.
- Put one drop of F&A FisFil on the mixing plate and using a brush apply a thin layer of it onto the etched surface.
- Light-cure it for 20-30 seconds using a Light Unit.
- Carefully close the syringe immediately after use.

PACKING: **F&A FisFil** *in 2.5 g syringes, delivery fips.*

F&A MEDICAL

MATERIALS FOR THERAPEUTIC DENTISTRY

F&A Calcipaste

Calcium hydroxide paste for protecting the pulp and temporary root canal filling

F&A Calcipaste is a water-based calcium hydroxide paste for pulp coating and temporary root canal filling. The high biological activity of F&A Calcipaste is caused by a special manufacturing technology, including submicron grinding of calcium hydroxide particles and special treatment which prevents their passivation. Due to the fine particle structure the material easily penetrates even into the thinnest lateral canals. The F&A Calcipaste kits include interchangeable delivery tips which ensure accurate application of the drug and help to avoid cross-contamination.

INDICATIONS FOR USE:
- Indirect pulp coating in order to protect it.
- As a lining material to prevent the pulp from contacting the acidic environment of filling cements.
- Direct pulp coating in case of open pulp or pulpotomy.
- As a material for temporary (therapeutic) root canal filling.

PRODUCT BENEFITS:
- Contains active water-based calcium hydroxide.
- Designed to protect the pulp and for temporary root canal filling.
- Accurate and comfortable application of the material.
- PH> 12%.

METHOD OF USING:
- Thoroughly clean and dry the cavity.
- Remove the tip cap, place the delivery tip on the F&A Calcipaste syringe and apply the paste in several layers one after the other until the desired layer thickness is reached. Allow each layer to dry or dry it with compressed air.
- The paste should not be applied onto the edges of the cavity. In case if it has got there it should be carefully removed. Then proceed with putting the lining and the subsequent restoration.
- During endodontic treatment first of all the dentist should prepare and clean the canal (using 3% hydrogen peroxide solution or sodium hypochlorite). Then put F&A Calcipaste paste into the canal using Lentulo or NaviTips (Ultradent). After that fill the tooth.
- It is recommended to check the canal filling with x-ray.
- Close the syringe with the cap immediately after use.

RECOMMENDATIONS AND PRECAUTIONS:
- Post-surgery sensitivity: if the paste was applied beyond the root apex this can cause discomfort (sensitivity on occlusion or swelling). However, as a rule, these symptoms disappear within 24 hours.
- Do not use hardened pasta.
- Do not use expired material.

PACKING: **F&A Calcipaste** *in 2,5 g (2 ml) syringe, delivery fips.*

F&A PerFill

Filling paste in root canals

PROPERTIES:

The root canal filling paste possesses the following characteristics:

- Non-dissolving: After hardening, the paste remains stable and does not dissolve.
- Non-shrinking: It maintains its original volume over time without any shrinkage.
- Enhanced Radiopacity: The paste exhibits increased radiopacity, aiding in clear visualization during X-rays.
- Easy insertion and removal: It can be easily inserted into the canal and, if required, removed without difficulty.
- Periapical Tissue Tolerance: The paste is well-tolerated by periapical tissues, minimizing adverse reactions.
- Prolonged Antiseptic Effect: Upon introduction into the canal, the paste continues to exert an antiseptic effect for several hours, sterilizing any organic residues remaining after pulp extirpation.
- Temporary Antiseptic and Anti-inflammatory Action: The antiseptic and anti-inflammatory effects of the paste cease after hardening is complete.

INDICATIONS FOR USE:

- This root canal filling paste is used for permanent root canal filling and sealing during dental procedures, typically in combination with gutta-percha.
- This root canal filling paste is designed to work seamlessly with a wide range of obturation techniques, including:
  - Single pin technique
  - Lateral condensation
  - Vertical condensation and compaction
  - Thermal obturation

  You can confidently use this paste in combination with any of these obturation methods during dental procedures

KEY FEATURES:

- An exceptionally effective formula with a proven track record!
- The paste's outstanding organoleptic properties facilitate effortless insertion into the root canal.
- Dexamethasone and hydrocortisone acetate contribute to postoperative desensitization and potent anti-inflammatory effects.
- Thymol iodide and paraformaldehyde ensure effective antimicrobial action of the preparation.
- The inclusion of bismuth oxynitrate and barium sulfate enhances radiopacity, enabling clear visibility during short and long-term follow-ups.
- With its non-dissolving and non-shrinking properties, the paste guarantees a stable root canal obturation.

INGREDIENTS:

- **Primary constituents:** zinc oxide, barium sulfate, bismuth oxynitrate.
- **Additional components:** hydrocortisone acetate, dexamethasone, thymol iodide, paraformaldehyde, magnesium stearate.

APPLICATION PROCEDURE:

- To treat the targeted tooth effectively, it should be isolated using either a cotton roll or rubber dam. Start by carefully shaping the canal as required, then apply an antiseptic solution, followed by rinsing and drying with paper pins. Next, prepare the filling paste for immediate use. Gradually mix the powder with eugenol until the paste reaches the desired consistency for the filling technique.
- Inject the paste into the root canals using canal fillers, and then insert one or more gutta-percha pins, which have been adapted to the shape of the canal and lubricated with paste.
- To ensure proper filling, take an X-ray to assess the root canals' condition.

Working time: At least 6 hours at room temperature.
Curing in the root canal: 1 to 12 hours

PACKING:

F&A PerFill *The product is available in two sizes of powder:*
A bottle containing 10 g powder
A bottle containing 20 g powder

F&A Chela GEL/Liquid

Chelate material for chemical extension of root canals

F&A Chela Gelis designed for extension of root canals due to the dissolution of the calcium components of the canal walls and dentinal sawdust appeared during mechanical processing.
EDTA-sodium salt removes calcium salts from the walls of the canal allowing the reamers and files to clean quickly the canal and give to it the desired shape.
The ability of EDTA to dissolve calcium of dentinal plugs quickly allows mechanical tools to penetrate even into the thinnest canals. The Gel minimizes the risk of tool breakage in the canal.
F&A Chela Gel also facilitates removal of the broken instruments, silver and gutta-percha pins, etc. from the canal. Contains benzalkonium chloride, which provides the antibacterial effect of the drug.

INDICATIONS FOR USE:
- Chemical extension of narrow and poorly accessible root canals with simultaneous disinfection.
- Identification of canal orifice.
- Unsealing of previously sealed canals.

PRODUCT BENEFITS:
- Chemical extension of root canals due to dissolution of calcium components of the canal walls and dentinal sawdust during mechanical processing.
- The drug contains 19% EDTA.
- Rapid calcium dissolution of dentin plugs.
- Contains benzalkonium bromide which provides antibacterial action of the drug.
- Penetration even into the thinnest channels.
- The drug minimizes the risk of tool breakage in the canal.
- Facilitates the removal from the canal of broken tools, silver and gutta-percha pins, etc.
- Available in two forms:
- F&A Chela liquid – liquid,
- F&A Chela Gel– gel.

METHOD OF USING:
- After washing the canal with a stabilized solution of sodium hypochlorite enter a file (K or H) coated with F&A Chela Gel into the canal until it reaches the apex.
- You can also put F&A Chela Gel into the canal using delivery cannulas.
- Finally, process the canal with sodium hypochlorite and an H-file.
- Wash and dry the canal.
- You can use special cleaning solutions.
- Canal filling can be carried out with an appropriate sealer and gutta-percha pins by using routine protocol.

PACKING: **F&A Chela Gel** *– in a 5 ml syringe, delivery fips;*
F&A Chela liquid *– in a 9 ml bottle.*

F&A Desobtur

Solvent for the root canal desobturation

F&A Desobtur – solvent for the root canal desobturation.

INDICATIONS FOR USE:

- For softening and desobturation of the root canals sealed with the phenol, formalin, and formaldehyde resins.
- Disobturation (unsealing) of root canals after sealing with phenol-formaldehyde-based resins.

PRODUCT BENEFITS:

- High efficiency of unsealing.
- Contains flavoring additives.
- Presence of surfactant facilitates the penetration of the solvent into the recesses and cavities

METHOD OF USING:

- Desobturation of the canal is performed by combined chemical action of F&A Desobtur and mechanical action of endodontic instruments
- Process the tooth chamber and entrance of the canal.
- Place a drop of F&A Desobtur at the mouth of the canal.
- Delete the contents of the canal using the appropriate file, wetting the instrument with F&A Desobtur.
- Repeat the procedure step by step until the apex is reached.

RECOMMENDATIONS AND PRECAUTIONS:

- The canal which is unsealed with F&A Desobtur must be thoroughly dried before subsequent filling.
- Avoid contact with eyes and oral soft tissue. If accidental contact with eye occurs rinse immediately with large amount of water.

PACKING: **F&A Desobtur** *in 9 ml bottle.*

F&A Hemostat GEL

Highly effective hemostatic – gel based on 25% aluminum sulfate

F&A Hemostat Gel is used for retraction of gums, for stopping bleeding and reducing inflammation associated with the process of taking impressions in class V restorations, etc. It can also be used to reduce gingival fluid secretion when fixing indirect adhesive restorations. F&A Hemostat Gel is intended for topical use and can be used with any retraction threads. It does not stain the areas of preparation and tooth tissue.

INDICATIONS FOR USE:
- Gum retraction.
- Stopping the release of gum fluids and blood.
- Reducing of inflammation.

PRODUCT BENEFITS:
- Very effective gum retraction.
- Complete hemostasis.
- Decreasing of gingival fluid secretion during the fixation of indirect adhesive restorations.
- Reduction of inflammation associated with the procedure of taking impressions, during class V restorations, as well as with other problems associated with the control of gingival fluids.
- Local application.
- It is used with both impregnated and non-impregnated threads.
- It does not stain the areas to be prepared and tooth tissue.

METHOD OF USING:
- Attach the delivery tip to the syringe.
- Squeeze a thin strip of the gel onto the bleeding areas of the mucosa.
- Select the thread of the necessary size and pack it into a gel.
- Wait 2 - 6 minutes.
- In case if the bleeding continues wash the area with water with a water-air gun and then apply the gel again.
- Remove the thread.
- Rinse and dry the treated area.
- Take the impressions following the generally accepted methods.

RECOMMENDATIONS AND PRECAUTIONS:
- Avoid contact of the gel with skin and eyes as this may cause a burning sensation or irritation. If contact occurs wash the area with plenty of water. In case of ingestion of the gel induce vomiting or seek for medical help.
- It is recommended to use a double-thread packaging technique. First pack a small thread an then a larger one. A small thread can be left while the impression is taken and then should be removed.

PACKING: **F&A Hemostat Gel** *in 5 ml syringe, delivery fips.*

F&A Metro

Antimicrobial gel for treatment of highly infected root canals

F&A Metro is a unique combination of 3 active ingredients dissolved (in the most active state) in inert biopolymer matrix. At the temperature of the human body the fluidity of the gel increases dramatically allowing the active ingredients to penetrate even into the most distant parts of the root canals.

INDICATIONS FOR USE:

- For prophylaxis and treatment of infected root canals in acute and chronic forms of pulpitis.
- For treatment of various types of acute and chronic periapical pathology.

Pulpitis:

- Acute purulent pulpitis.
- Chronic gangrenous pulpitis.
- Exacerbation of chronic pulpitis.

Periodontitis:

- Acute serous periodontitis.
- Acute purulent periodontitis.
- Chronic forms of periodontitis:
- *fibrous;*
- *granulating;*
- *granulomatous.*

PRODUCT BENEFITS:

- Suppresses almost all aerobic pathogenic microorganisms and a significant amount of anaerobic microflora of infected root canals.
- High concentration of antibacterial components in the most active, dissolved form.
- The gel is thermoplastic, its fluidity increases at body temperature.
- Easily penetrates into the most hard-to-reach areas of the root canal.
- Easily inserted into the canal with the help of a convenient plastic endodontic tip (included).
- Can be used for endodontic treatment of children with fully formed apexes.

METHOD OF USING:

First visit:

- Isolate a tooth from saliva (cofferdam).
- Prepare carious cavity.
- Develop a pulp chamber and remove residual pulp. Rinse the cavity.
- Make primary instrumental treatment of the root canal. It is desirable to use an EDTA-based endodontic lubricant (for example, F&A Chela Gel). If there are evident destructive processes in the periapical tissues it is recommended to use preparations containing tetracycline chelate antibiotics (F&A Endogil TC or Endogil-DC).

PACKING: **F&A Metro** *in 2 ml syringes, delivery fips.*

F&A MetroLur

Antibacterial gel for treatment of periodontium diseases

A unique combination of 4 active ingredients which are present in the dissolved (most active) form in the biopolymer matrix. A special biopolymer matrix provides the prolonged release of active ingredients into the surrounding soft tissues.

INDICATIONS FOR USE:

Infectious and inflammatory diseases of periodontium and mucous membrane of the oral cavity:

- Acute and chronic gingivitis.
- Acute ulcerous necrotic Vensana gingivitis.
- Acute and chronic periodontitis disease.
- Peri-implantitis.
- Youthful periodontitis disease.
- Periodontosis complicated by gingivitis.
- Aphthous stomatitis.
- Cheilitis.
- Inflammation of the mucous membrane of oral cavity after the trauma (including carrying prosthetic device).
- The post-extraction alveolitis (socket inflammation after the tooth extraction).
- Periodontitis, periodontal abscess (as a part of the combined therapy).

PRODUCT BENEFITS:

Infectious and inflammatory diseases of the periodontal and oral mucosa:

- Topical use. For dental use only.
- Eliminate dental deposits mechanically and align the surface of the root.
- Wash, then dry the area with a paper pin.
- Insert the gel into each periodontal pocket directly from the syringe using a plastic tip (supplied) or a metal cannula. The gel is firstly introduced into the deepest part of the periodontal pocket, after that the pocket is filled up to the edge of the gum.
- When the the gel is insert the patient should refrain from drinking and eating for 30 minutes. It is not recommended to wash the gel out
- To prevent exacerbation of chronic gingivitis and periodontitis the gel is applied twice during 7 to 10 days. Such preventive courses are carried out 2-3 times a year.
- To prevent post-fracture alveolitis after tooth extraction the socket is treated with gel, after which the gel is used once every two days for 7 – 10 days.

PACKING: **F&A MetroLur** - *in 2 ml syringes, delivery fips.*

F&A Endogil TC

Gel for mechanical treatment of root canals with antimicrobial effect

F&A Endogil TC is an excellent lubricant that facilitates the passage of tools through the canal which provides high-quality expansion, cleaning, shaping and antiseptic processing of even hard-to reach and branched root canals.

INDICATIONS FOR USE:

It is used for instrumental treatment of root canals together with irrigation solutions (sodium hypochloride, hydrogen peroxide).

Especially recommended:

- for infected root canals;
- if there are destructive processes in periapical tissues.

PRODUCT BENEFITS:

- The material does not require manual preparation (ready-to-use form).
- It is well delivered to the root canal both through the tip and in the usual way.
- Has chelating properties.
- Provides thorough mechanical treatment of the root canal with manual and rotary tools.
- Removes smeared layer.
- It has an antimicrobial effect on the microflora of root canals.

METHOD OF USING:

First visit. The gel is inserted into the canal with the help of endodontic plastic tip. Mechanical processing of the root canal is performed according to the following protocol:

- Root canal irrigation with 2.5 - 3% sodium of hypochlorite solution alternates with inserting the gel into the root canal.
- Instrumental formation of the root canal is carried out when the gel is injected. Due to its chelate properties the gel removes the smeared layer and facilitates the passage through the root canal.
- The above-described procedures should be repeated until the required degree of root canal treatment is reached.
- Final irrigation with sodium hypochlorite solution.
- Very thorough irrigation of the root canal with distilled water.
- Temporary obturation of the root canal with calcium hydroxide for 1 - 2 weeks.

Second visit:

- After mechanical removal of calcium hydroxide from the root canal the following procedures are carried out:
- Root canal irrigation with 2.5 - 3% sodium hypochlorite solution which alternates with the insertion of the gel into the root canal.
- Root canal irrigation with distilled water;
- Repeated temporal obturation of the root canal with calcium hydroxide (during destructive processes) or permanent obturation of the root canal.

Attention:

In cases if there are hard-to-reach infected root canals, it may be necessary to use F&A Metro gel in the root canal under a tight dressing for 1 to 3 days.

PACKING: **F&A Endogil TC** – *in 2 ml syringes, a set of delivery fips.*

F&A Relief AB

Application antibacterial desensitizing gel for local sensitivity reduction

F&A Relief AB is used for any dental procedures that require local anesthesia. The gel is applied to the mucous membrane of soft tissues, directly to the place where the injection will be made. The material has low toxicity, does not cause allergic reactions and chemical burns of the mucous membrane. It easily get into hard-to-reach places. F&A Relief AB is economical, light and easy to use, has a pleasant taste. It also has an antibacterial effect.

INDICATIONS FOR USE:

- Anesthesia of mucosa of the soft tissues before injection.
- Suppression of reflex mouth closing.
- Lubrication and anesthesia before cofferdam application.
- Local anesthesia when removing excess cement, when installing a crown or bridge, curettage or removing dental plaque.

SPECIAL RECOMMENDATIONS FOR CHILDREN'S DENTISTRY:

- You can anesthetize the place of injection. When the gel is applied, the child is not afraid of the future injection.
- Then (after 2 - 3 minutes) infiltration anesthesia is performed.

PRODUCT BENEFITS:

- Application gel based on 20% benzocaine.
- Has an antibacterial effect.
- Faster and deeper anesthesia.
- Does not cause chemical burns of the mucous membrane.
- More economical use of the drug.
- The gel is applied locally and as a result - there is no discomfort that occurs after irrigation of the entire oral cavity.
- Convenience of application in hard-to-reach places.
- Flavoring additives: cherry, strawberry, peach.

PACKING: **F&A Relief AB** *is available in 5 ml syringes or in 30 ml bottles.*

F&A MEDICAL


F&A MEDICAL
MerFill MR
Hemostat
Calcipaste
MetroLur
PhosPho
Relief
PRODUCT CATALOG


F&A MEDICAL
F&A Chela Liquid
CHEMICAL REAMING AND CLEANING OF ROOT CANALS
9 ml
F&A Biflu 10
THE IMPROVED FLUORIDE VARNISH & DENTINAL TUBE SEALANT
10 ml
F&A Desob tur
SOLVENT FOR ROOT CANAL DESOBTURATION
9 ml
F&A FisFil
LIGHT-CURING PIT AND FISSURE SEALANT WITH FLUORIDE RELEASE
F&A MerFill
UNIVERSAL FLOWABLE COMPOSITE PAINTS
GEL
LINE

F&A MEDICAL

PRODUCT CATALOG