

F&A
MEDICAL

PRODUCT CATALOG



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F&A MEDICAL

COMPOSITES, LINERS, CEMENTS
AND COMPOSITE KITS





MerFill Nano Zirconium

A modernized nanohybrid universal restorative composite featuring trimodal spherical nanofillers universal restorative composite

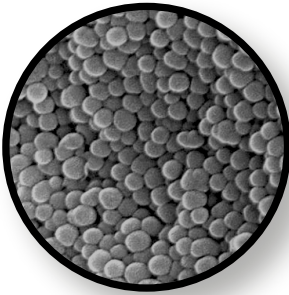
This unique blend of spherical nanofillers of various sizes offers the following benefits:

- Exceptional handling characteristics: The material is pliable and non-sticky, which simplifies its placement in the cavity, especially at the «dental tissue-restoration» junction.
- Enhanced radiopacity, attributed to the inclusion of zirconium dioxide .
- Increased resistance to wear, owing to the specific mix of spherical nanofillers, especially spherical zirconium dioxide.
- Improved bending strength, with a 10% increase.
- Superior polishing capabilities.

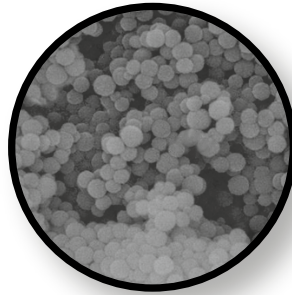
SPHERICAL F&A Nano Zirconium Filler:

- Contains up to 75% inorganic filler by weight.
- Volumetric shrinkage is below 2.5%.
- Flexural modulus reaches 8.5 GPa.
- Flexural strength is rated at 125 MPa.
- Compressive strength measures 300 MPa.
- Diametral tensile strength is 70 MPa.
- The average size of spherical Si nanofiller particles is 12 nm.
- The average size of another type of spherical SiO nanofiller particles is 40 nm.
- Spherical Zr-Si nanofiller particles average 100 nm in size.
- Spherical nanocluster particles have an average size of 350 nm.
- Prepolymerized microcluster particles average 15 Mm in size.
- Water solubility is less than 2.5 Mg/mm.
- Water absorption is less than 10.0 mg/mm.

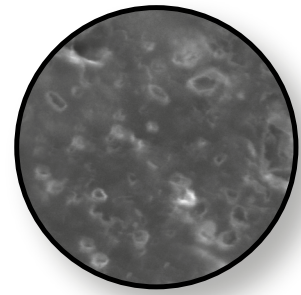
Clinical Applications:



Globular Silicon Dioxide,
a nanoparticle filler averaging
40 nanometers in size.



Globular Zirconium – Silicon filler
with an average particle size of
100 nanometers and improved
radiopacity.



Barium-Silicon – Aluminium filler,
displaying radiopacity, with an
average particle size of
350 nanometers.

- Effective for fiber splinting.
- Used for crown build-up.
- Ideal for aesthetically pleasing restorations in Class I, I, III, IV, and V cavities.
- Suitable for onlays, inlays, and the «sandwich» technique.
- Used for both direct and indirect dental restorations to enhance tooth appearance.
- Provides color-matching capabilities for seamless integration.
- Suitable for temporary tooth restoration in pediatric dentistry.
- Effective in cavities following «tunnel» preparation.
- Facilitates the marking of sealed canals to aid in their location during refilling.
- Can be used for temporary inlays.

**39
SHADES**
to choose from



Enamel shades:

A1E, A2E, A3E, A3.5E, B1E, B2E, C2E, BW, XBW.

Body Shades:

A1-B, A2-B, A3-B, A3.5-B, A4-B, B2-B, B3-B, C2-B, D2-B, D3-B.

Dentin shades:

A1D, A2D, A3D, A3.5D, A4D, B1D, B2D, C2D

Opaque shades:

UO (Universal), SWOP (Super White Opaquer),
LOP (Light Opaquer), WOP (White Opaquer)

Incisal: I

Luminous shades: White Pearl, Gold Pearl, Blue Pearl,
Pink Pearl, Purple Pearl, Green Pearl,
Lime Fluo, Orange Fluo



White Pearl



Gold Pearl



Blue Pearl



Pink Pearl



Green Pearl



Purple Pearl



Lime Fluo



Orange Fluo



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.
- Splinting.
- Sandwich technology.
- 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: Syringe 4 g.

Shades: Enamel shades: A1E, A2E, A3E, A3.5E, B1E, B2E, C2E, BW (Bleach White), XBW (Extra Bleach White);

Dentin shades : A1D, A2D, A3D, A3.5D, A4D, B1D, B2D, B3D, C2D, D2D;

Opaque shades: A1-O, A2-O, A3-O, A3.5-O, IOP, SWOP (Super White Opaque), UO (Universal Opaque), WOP (White Opaque);

Incisal: I.



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: Syringe 4 g.

Shades: A1, A1-0, A2, A2-0, A3, A3-0, A3.5, A3.5-0.

XBW (Extra Bleach White), BW (Bleach White), B1, B2, B3, C2, D2, I; IOP.

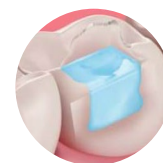
SWOP (Super White Opaquer), UO (Universal Opaquer).



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 – 24×10^{-6} cm/cm°C 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: Stringer 4 g.
Shades: A1, A2, A3, U (Universal).



MerFill Bulk Flow

Highly Filled Composite for posterior teeth

MerFill Bulk Flow is a light-cured, radiopaque, fluoride-containing composite restorative material designed for the restoration of Class I and II cavities. Its unique formulation ensures high transparency and a modulus of elasticity comparable to dentin and enamel. This allows for layer application up to 4 mm with minimal polymerization stress. MerFill Bulk Flow adapts seamlessly to cavity irregularities and undercuts, ensuring a precise and reliable seal.



INDICATIONS FOR USE:

- Base layer replacement for composite restorations in Class I and II cavities.
- Application in the "sandwich" technique.
- Crown buildup and restoration.

PRODUCT BENEFITS:

- High Transparency: Provides a natural look and blends well with surrounding tooth structure.
- Optimal Modulus of Elasticity: Mimics dentin and enamel properties for a durable and stable restoration.
- Thick Layer Application: Enables placement in layers up to 4 mm, minimizing polymerization stress.
- Excellent Adaptability: Conforms perfectly to cavity walls, filling irregularities and undercuts.
- Efficient Workflow: Simplifies the restoration process by reducing the number of layering steps.
- Customizable Esthetics: Compatible with a wide range of enamel and dentin shades for optimal visual results.



PACKING: Syringe 6 g with cannula set.
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-cariou activity.
- The material is perfect for pediatric dentistry. Facilitates visual control for parents.
- Superb bright colors turn the child's 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.



PACKING: Syringe 3,2 g with cannula set.

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: Syringe 3 g with cannula set.
Shades: Brown, Ochre, White, Grey-blue, Black.



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: Syringe 3 g with cannula set.



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: Syringe 3 g with cannula set.



Universal Nano 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).





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 for light 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.



MerFill Flo and Flo HV

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/ MerFill Flo HV 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: Syringe 3 g.
Shades: A1, A2, A3, A3.5, B1, B2, UO, I, Red Gum, SWOP (Super White Opaquer).

F&A MEDICAL

ADHESIVES





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.

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.

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

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: Bottle 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 micro-leakage 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.



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 the gel with plenty of water.

PACKING: Syringe 5 ml or 10 ml.

F&A MEDICAL

PROPHYLAXIS





F&A Biflu 10

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.



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.

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.



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: 2 syringes of 5 g each (Component A and Component B).



F&A FisFil

Light-cured 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- fluor-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.

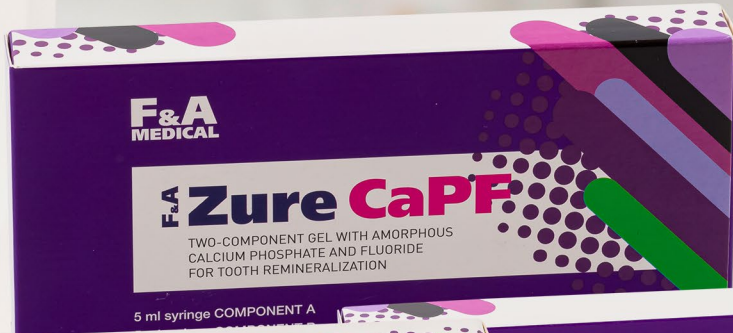
- Available in two colors: transparent opal (Clear) and opaque white (White).
- Perfect disguise (White).
- Control over fissure sealing for a long time (Clear).

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: Syringes 2.5 g, delivery tips.



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%.

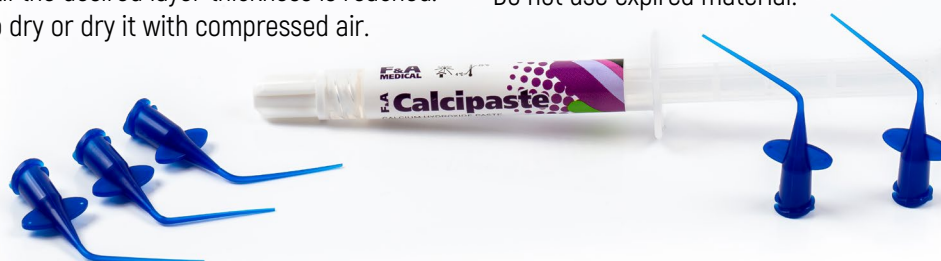
METHOD OF USING:

- 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: Syringe 2,5 g, delivery tips.



F&A Chela Gel and Chela 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.



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.



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.
- 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 and then a larger one. A small thread can be left while the impression is taken and then should be removed.

F&A MEDICAL

FIBERGLASS
SYSTEMS





F&A Fiber Rope and 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 mm) – 3 cords of 9 cm each (total length 27 cm), diameter 1.5 mm.; F&A Fiber Rope (3 mm) – 3 cords of 9 cm each (total length 27 cm), diameter 3 mm.



F&A Fiber Bulk Kits

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.

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 MerFill NANO
 NANO-HYBRID UNIVERSAL RESTORATIVE
 Universal Kit

MerFill NANO
 UNIVERSAL RESTORATIVE
 Universal Kit 9 Items

LOT 208001
 2027-06

no (Universal Kit)
 al restorative
 s: A2, A3, A3.5, A3-O
 A3
 es: A2, A3

Shelf life up to 3 years.
 More details in the
 instructions.

F&A MEDICAL
 For professional use only!

F&A MEDICAL MerFill NANO Zirconium
 Universal restorative

F&A Medical
 Vintergata 19, 3048 Drammen, Norway
 Email: info@famedical.net
 website: www.famedical.net

F&A MEDICAL MerFill NANO
 NANO-HYBRID UNIVERSAL RESTORATIVE

F&A MEDICAL Metro
 GEL LUBRICANT FOR LUBRICATION
 OF THE TOOL DURING ROOT CANAL TOOLING

F&A MEDICAL MerFill BOND SE
 ONE-COMPONENT SELF-ETCH
 ADHESIVE
 6 ml

F&A MEDICAL Chela Liquid
 CHEMICAL REAMING
 AND CLEANING OF
 ROOT CANALS
 9 ml

19302 (OT) 99011



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MEDICAL

PRODUCT CATALOG