

MerFill Rainbow

BRIGHTLY-COLORED FLOWABLE COMPOSITE

A new color, light-cured composite material with a pearl shine effect or fluorescence effect for filling mainly milk teeth. It is suitable for restoration of damaged, discolored and structurally deficient dentin and enamel.

F&A MEDICAL

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•• OUTSTANDING FEATURES OF THE MATERIAL

- Superior bright colors and esthetic due to well balanced opacity and light reflectance.
- Excellent color stability.
- Ideal for pediatric dentistry. Facilitate visual control of fillings.
- Children are motivated to cure.
- Bright, attractive colors can help to transform the clinic reception into the game.
- Reduced oxygen inhibited layer contributes to the ease of finishing.
- Does not require refrigeration. Shelf life is 3 years.
- Fast in application – one component restorative system.
- Excellent flow of the material facilitates application.
- May be cured with any dental curing instrument operating in the visible wavelength range.

•• INSTRUCTION

- Direct and indirect restorations for individualization of the restored teeth.
- Restorations of temporary teeth in pediatric dentistry.
- Fissure sealing.
- Restoration of cavities of I, III, V classes with minimal invasion.
- Cavities after «tunnel» preparation.
- Restoration of small defects in indirect and direct aesthetic restorations.
- Renovations of temporary restorations.
- Temporary inlays.
- Marking of sealed canals which facilitates searching of these canals for refilling.

•• COLORS

Green-Fluo / Pink-Fluo / Purple-Fluo / Lime-Fluo / Orange-Fluo

Green-Pearl / Pink-Pearl / Blue-Pearl / Golden-Pearl

Clear-Red / White

•• INSTRUCTION

Restoration of deficient enamel:

1. Prepare the surfaces of the teeth by prophylaxis, using a non-fluoride prophylactic paste. Wash and dry. Apply etching gel (i.e. F&A Phospho) with a cotton pledget to the enamel area to be restored. CAUTION: Avoid contact with soft tissue or exposed dentin. If accidental spill occurs, wash immediately.
2. Wait 90 seconds. Wash the tooth (teeth) and evacuate. Dry with oil-free air or with any commercial dental drying agent. Properly conditioned (etched) teeth should have a dull, chalkywhite appearance. Highly mineralized teeth may require an additional one to two – minute etching to achieve this effect.
3. Isolate the tooth (teeth) to be restored. Use MerFill Bond adhesive following to instruction of manufacturer. Select the desired shade of the restorative and dispense onto a mixing pad.

- Using a disposable brush, apply a thin, smooth layer (thickness should not be more than 0,5 mm) over the etched, dry enamel and cure for 20 seconds, holding the tip of the light no farther than 2 mm from the tooth surface.
- Wait two minutes before finishing. Use finishing tools as for composite materials, preferably like Shofu Brank abrasives for composites. For achieving the best final polish, use Diamond Polish.
- Layer should be left unfinished or its surface should be roughened.

Restoration of shallow class v cavities:

- Prepare the cavity in a conservative manner removing minimum tooth structure. Bevel the enamel adjacent to the exposed dentin.
- Condition the dentin and adjacent enamel following the instructions included with MerFill Bond.
- Fill the cavity and finish the restoration as described in points 3 – 5 of instruction for restoration of deficient enamel (above).

•• CAUTIONS

MerFill Rainbow contains methacrylic resins that may cause an allergic reaction. Avoid long or repeating contact of not-polymerized material with the skin (allergic contact dermatitis is possible), soft tissue of the oral cavity and eyes.

In case of contact, immediately wash thoroughly a place of contact with water and soap. If there is rash or other signs of allergic reactions on the skin stop using the material and ask for medical care.

Using of this product on patients with allergies on acrylic materials is to be avoided.

•• PRECAUTIONARY MEASURES

- During the work with the material use special glasses, gloves, clothes and mask. Goggles are recommended for the patients also.
- Observe the security measures provided during the work with powdery, siliceous substances. Use goggles, a mask and gloves.

•• CONTRAINDICATIONS

Allergic reactions in the anamnesis of the patient especially on methacrylic resins or on any other component of dental materials.

•• COLLATERAL REACTIONS

The product can cause irritation of eyes, skin and mucous membranes. [see. CAUTION section].

•• INTERACTION WITH OTHER DENTAL MATERIALS

Use of eugenol-containing materials in a combination with MerFill Rainbow is contraindicated. Evgenol-containing dental materials can have negative impact on ability to a polymerization.

•• WARRANTY

The manufacturer warrants the quality of manufactured products. The adverse events inflicted by violation of user manual, storage conditions and other events inflicted by non-stipulated usage of the material are not the subjects of warranty. The customer is responsible for determination of suitability of this product for user's application. Warranty conditions: the product does not comply with requirements declared by manufacturer. In this case the manufacturer replaces the defective material within warranty period.

•• LIMITATION OF LIABILITY

The manufacturer's liability is limited by only cases stipulated by direct legislation of the country.

•• STORAGE

- Store at room temperature.
- Shelf life is 3 years.
- Refrigeration will further increase shelf life.
- DO NOT FREEZE!

•• RECYCLING

Dispose of the medical device in accordance with local / regional / national / international legal requirements.

•• PACKING

Syringes 1,5 g or 3 g with delivery tips.

For professional use in dentistry only!

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