

# MerFill Line

## LINER WITH FLUORIDE AND HYDROXYAPATITE

MerFill Line is radiopaque light-curing one-component liner and base material containing calcium hydroxide, calcium hydroxyapatite, complex fluorides and adhesive promoters in a unique, urethane dimethacrylate formula. The liner has excellent bonding to dentine and is highly biocompatible

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**•• DIRECTIONS FOR USE**

- Prepare the cavity, clean and dry it thoroughly. Care should be taken to ensure 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 therefore recommended to use eugenol-free temporary cements.
- Put the required portion of MerFill Line on a mixing pad shortly before the application. Avoid exposure to daylight as it may cause premature setting of the material.
- Apply a layer of the MerFill Line to the dentine using a small round condenser.
- MerFill Line should be applied to dentine only. Do not apply it to enamel.
- The layer thickness should not exceed 1 mm. Should a thicker lining is necessary, apply and cure several subsequent layers.
- Each layer should be light-cured separately. MerFill Line is cured by a special dental light unit (halogen, LED, etc.). The light guide should be positioned as close as possible to the liner.
- When the light guide is 2 mm above the liner surface, cure the liner for 20 seconds at least. When light guide is 5 mm above the liner surface, the curing time should be extended to 30 – 40 seconds.
- Due to high opacity of MerFill Line the curing time should not be less than 20 seconds under any circumstances.

**•• INDICATIONS**

- As a liner or base in prepared cavities.

**•• CAUTIONS**

MerFill Line contains methacrylic resins that may cause an allergic reaction by skin contact in certain individuals. 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 use of the material and ask for medical care.

Use of this product in patients with known acrylic allergies is to be avoided.

**•• SUPPLEMENTARY INDICATIONS**

MerFill Line is so strong after curing that a probe cannot be used to remove excess material as it would loosen the entire work. It is recommended to remove excess material from cavity linings and enamel using a rotary instrument.

**•• INTERACTION WITH OTHER DENTAL MATERIALS**

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

**•• 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).

**•• PRECAUTIONARY MEASURES**

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

**•• 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 temperature of 4 – 25 °C.
- Protect from direct light. Close tightly the cap after use.
- Shelf life – 2 years.
- Cooling the material to 4 – 8 °C prolongs the shelf life.
- DO NOT FREEZE!

**•• RECYCLING**

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

**•• PACKING**

MerFill Line in syringes 3 g.

**For professional use in dentistry only!**

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