

## Product description

**LC Pulp Capper** is a bioactive light-cure resin reinforced pulp capping material with MTA-fillers, designed to perform as a barrier and to protect the pulp. Thanks to its thixotropic behavior and with the supplied NeedleTip LC Pulp Capper can be applied very precisely, even in deep cavity preparations. Light cure of LC Pulp Capper ensures controlled setting. After light cure filling can placed immediately.  
[6145-244]

## Indications/Intended use

### 1. Direct pulp capping for any pulpal exposures, including:

- carious pulp exposure
- mechanical pulp exposure
- pulp exposures due to trauma

### 2. Indirect pulp capping agent in deep preparations:

- under amalgam restorations
- under Class I and Class II composite restorations
- under cements
- as an alternative to calcium hydroxide

## Performance features

The performance features of the product meet the requirements of the intended use.

## Contraindications

In singular cases, the material may cause a sensitizing reaction in patients with a hypersensitivity to any of the ingredients. In these cases, the material should not be used.

## Patient target group

Persons who are treated during a dental procedure.

## Intended users

This medical device should only be used by a professionally trained dental practitioner.

## Precautions

- Because of its high pH value LC Pulp Capper must not be used in direct intraoral environment. Therefore do not place on enamel, cavity margins or leave exposed to oral environment.
- The success of pulp capping procedures may be affected by preparation contamination. Use of a rubber dam or adequate isolation is recommended.
- Pulpal hemorrhage must be controlled prior to the application of LC Pulp Capper. If hemorrhage cannot be controlled, consideration should be given for the initiation of endodontic therapy before direct pulp capping procedures.

## Application

Screw off the cap of the syringe and substitute it by a NeedleTip. **Store the screw cap!**

### 1. Direct pulp capping for any pulpal exposures

#### 1.1. Cavity Preparation

When opening the pulp, first stop any bleeding that may occur. Then remove excess moisture with a sterile cotton pellet. Leave the surface visibly moist.

#### 1.2. Application

Apply LC Pulp Capper punctiform and small-area (with a layer thickness  $\leq 1$  mm) to the opened pulp. Cover all exposed areas of the opened pulp with LC Pulp Capper and extend optional up to 1 mm into dentine.

Due to the high opacity of LC Pulp Capper light cure **40 seconds** by using a polymerization unit (wavelength range 400-500 nm) with a light intensity of at least 1000mW/cm<sup>2</sup>.

Apply a suitable light cure adhesive according to the manufacturer instructions onto the cured LC Pulp Capper layer and proceed with the restoration.

#### Note:

With a total-etch adhesive take care to etch only the exposed cavity areas. Then apply the bonding to all cavity areas.

### 2. Indirect pulp capping agent in deep preparations

#### 2.1. Cavity Preparation

Remove all infected carious tooth structures. Leave the preparation visibly moist.

#### 2.2. Application

Apply LC Pulp Capper small-area (with a layer thickness  $\leq 1$  mm) directly onto the area close to the pulp.

Due to the high opacity of LC Pulp Capper light cure **40 seconds** by using a polymerization unit (wavelength range 400-500 nm) with a light intensity of at least 1000mW/cm<sup>2</sup>.

Apply a suitable light cure adhesive according to the manufacturer instructions onto the cured LC Pulp Capper layer and proceed with the restoration.

#### Note:

With a total-etch adhesive take care to etch only the exposed cavity areas. Then apply the bonding to all cavity areas.

After use of the syringe replace disposable NeedleTip by the screw cap. **NeedleTips are for single use only.**

## Storage

Store at 2 – 8 °C (36 – 46 °F) in the original seal-pack. After opening of the seal-pack store the material protected from light and moisture at room temperature (19 - 25 °C / 66 - 77 °F). Use up within 6 months and before the end of expiry date. Close syringe immediately after use. Do not use after expiry date.

## Additional Notes/Warnings

- LC Pulp Capper contains polymerisable methacrylate monomers. Unpolymerized materials may have an irritating effect and may lead to a sensitizing reaction against methacrylates.
- Do not use with patients with allergic reactions against acrylates.
- Avoid contact with skin, mucous membrane and eyes.
- In case of contact with eyes, rinse with copious amounts of water and consult a physician immediately. In case of skin contact wash immediately with water.
- Do not use in combination with substances containing eugenol because eugenol inhibits the polymerization of the material. Neither store the material in proximity of eugenol containing products, nor let the material allow coming into contact with materials containing eugenol.
- Commercial medical gloves do not protect against the sensitizing effect of methacrylates.
- Keep away from children!

## Composition

Hydrophilic methacrylates, MTA, silicon dioxide, photo initiators.

## Disposal

Disposal of the product according to local authority regulations.