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**Keep away from children!**


**For dental use only!**

 **Clinician's Choice®**

**MPa  
Universal™**

**Dual-Cure Catalyst**

 **Clinician's Choice®**

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# MPa Universal™

Dual-Cure Catalyst

## INSTRUCTIONS FOR USE

MPa Universal™ Dual-Cure Catalyst is designed as a product for additional and/or extended self-etch applications of MPa Universal Light-Cure Universal Adhesive for all the special cases, where light-cure of the adhesive cannot be ensured (e.g. in the root canal).

The mixture of MPa Universal/MPa Universal Dual-Cure Catalyst is suitable for moist, wet, and dry surfaces.

## INDICATIONS

Adhesive for the self-etch technique for:

- Adhesive cementing of posts (and possibly subsequent core build-up) with dual or self-cure composites (e.g. Zircules™ Zirconia Nano-Filled Core Material).

## SIDE EFFECTS

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.

Irritations resulting from direct contact with the pulp cannot be ruled out. Therefore for pulp protection the cavity floor in cases of deep excavations should be covered with a thin layer of calcium hydroxide material.

## INCOMPATIBILITY WITH OTHER MATERIALS

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 come into contact with materials containing eugenol.

## APPLICATION

### 1. ISOLATION

Rubber dam is the recommended method of isolation.

### 2. ROOT CANAL PREPARATION

Prepare the root canal appropriate to the selected post.

## 3. APPLICATION OF THE ADHESIVE

Combine one drop of MPa Universal and one drop of MPa Universal Dual-Cure Catalyst in a mixing pallet and mix for 5-10 seconds under subdued light.

### Note:

Do not interchange lids of the bottles, as this can lead to a cross-contamination of the liquids.

Apply the MPa Universal/MPa Universal Dual-Cure Catalyst mixture with a suitable brush onto the root canal walls for 30 seconds with agitation. Applying the adhesive on the surface without agitation is inadequate. Repeat procedure 1–2 times. The material should build a homogeneous layer.

Remove excess material **thoroughly** e.g. with paper points.

Air thin gently (**at least 5-10 seconds**) to remove the volatile components and to disperse the adhesive until a glossy and uniform layer results.

For optimal adhesion light-curing with a suitable dental halogen light unit or an LED (wavelength 400–500 nm, light intensity min. 1000 mW/cm<sup>2</sup>) for 20 seconds is recommend.

## 4. POST CEMENTING

Prepare the post according to manufacturer instructions.

Place the post with a flowable dual-cure or self-cure composite into the root canal. When cementing posts or for core build-ups, refer to manufacturer instructions of the dual or self-cure composite.

## WARNINGS

- Unpolymerized material may have an irritating effect and may lead to a sensitizing reaction against methacrylates.
- Avoid contact with skin, mucous membrane and eyes.
- If the material comes into contact with skin, immediately wash with water and soap. If the material comes into contact with eyes, immediately rinse with copious amounts of water and seek medical advice if required.
- Commercial medical gloves do not protect against the sensitizing effect of methacrylates.

## STORAGE

Do not store above 77°F (25°C)! Avoid storage in direct sunlight. Do not use after expiration date.