

Product description

A zinc polycarboxylate cement based on zinc oxide and polyacrylic acid.

Indications/Intended use

- cementing of crowns and inlays
- cavity linings.

Performance features

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

Contraindications

Irritations resulting from direct contact with the pulp cannot be ruled out. Therefore, for pulp protection areas close to the pulp should be covered with a thin layer of pulp capping material.

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.

Application

A clean, dry glass plate at approx. 20°C (68°F) and a non-discoloring spatula are recommended for mixing.

The powder/liquid ratio for a suitable **cementing consistency is 2.5/1.0 (w/w)**, for a suitable **lining consistency 2.9/1.0 (w/w)**.

In order to achieve a homogeneous consistency of the cement divide the measured quantity of powder into several portions. Mix the powder in portions quickly into the measured liquid - within **1 minute**. The mixture should appear thicker as usual for zinc phosphate cement, yet it is just as easy to work.

Do not add additional liquid during the mixing.

The **cementing consistency** has been reached when the peak formed on lifting the spatula slowly falls back into the paste. The **lining consistency** has been reached when on lifting the spatula, the peak drawn out forms a small hook and does not sink back into the paste.

Discard remaining powder or impure liquid. Dentine areas near the pulp must be protected.

The working time (at 23°C, 72°F) is approx. **1:30 minutes (luting consistency)** resp. **1:20 minutes (lining consistency)**.

The setting time from end of mixing is about **4 minutes** (at 37°C).

Additional notes

- The mixed cement should never be applied directly onto dentine near to pulp or onto exposed pulp.
- Apply the thinnest possible layer for cementing.
- The cement must be applied to the dry tooth surface and must set without contact to moisture.
- Remove excess material (e.g. of neighboring teeth, facets) immediately
- Do not expose liquid to sunlight and frost.

- Immediately after use, tightly close both liquid and powder bottles to prevent exposure to moisture.
- Clean instruments and glass plate with water before the cement sets.
Zinc polycarboxylate cement can be dissolved using a cement-solving after setting.
- Keep away from children!

Shade: universal

Storage

Store at room temperature (2 – 28°C / 36 – 82 °F). Do not use after expiry date.

Composition

Powder: zinc oxide, magnesium oxide

Liquid: polyacrylic acid

Disposal

Disposal of the product according to local authority regulations.