

POLYCARBOXYLATE CEMENT

**Description:**

Alpha-dent® Polycarboxylate Cement is specially formulated for superior strength, resistance to dissolution, and oral retention. It is impervious to oral fluids, and thus permanent under oral conditions. Other excellent physical characteristics exhibited by **Alpha-dent®** Polycarboxylate Cement include low film thickness for complete seating of appliances, ionic bonding to enamel and dentin and mild to pulp and tissue.

Indications for use:

- Cementation of inlays, onlays, crowns, bridges, and fixed orthodontic bands.
- Cavity lining under all restorative materials or following root canal treatment.
- Temporary fillings in deciduous teeth.

Contraindications:

Alpha-dent® Polycarboxylate Cement is contraindicated in patients with a history of dermatitis and respiratory medical conditions.

Warning: 

Avoid contact with eyes and skin. In case of contact, flush with copious amounts of water for at least 15 minutes. Seek immediate medical attention.

General Precautions:

1. U.S. Federal Law restricts this device to sale by or on the order of a dentist.
2. Review instructions and MSDS prior to beginning treatment. Use only as directed.

Adverse Reaction:

Allergic or pre-existing skin, eye and respiratory conditions may be aggravated by exposure to this product.

Instructions for Use:

The recommended temperature range for preparation is 23°C and 50% relative humidity.

Dispensing Material

1. Tap powder bottle on a firm surface to condense powder.
2. Scoop powder with the measuring powder scoop. Strike off excess powder with a spatula, leaving a flat, level scoopful.
3. Place measured powder onto the mixing pad or a glass slab by tapping the end of the measuring scoop with a spatula.
4. Hold liquid bottle at a slight angle to the vertical and dispense the number of drops required. Squeeze bottle to produce drop and release pressure after each drop is dispensed.

Dispensing Ratio

1. For cementation: 1 measured scoop of powder (0.22 g) to 2 or 3 drops of liquid (0.09 g - 0.14 g), depending on the consistency preferred.
2. For linings and fillings: 1 measured scoop of powder (0.22 g) to 1 drop of liquid (0.045 g).

Mixing

Using a suitable spatula, incorporate all of the powder rapidly into the liquid. Mix until a creamy consistency is reached for cementation material and a putty-like consistency for lining/filling material. The mixing time is 30 seconds. The working time is 1 minute and 45 seconds (from the start of mixing).

Application

Apply the cement immediately upon completion of the mix, while the appearance is glossy. Do not use after it starts to "cobweb". The setting time is 7 minutes maximum at 23°C. The net setting at 37°C is 3 minutes from the end of mixing.

Finishing

Excess material may be removed at once or when the cement has completely hardened. Do not disturb the material when it is in the intermediate rubbery stage.

Clean-up

Due to the adhesive nature of Polycarboxylate Cement, spatulas, glass slabs, and placement instruments should be wiped clean under running water immediately after use to ease clean-up.

Storage: 

1. Store under normal ambient conditions. Do not refrigerate/freeze. See outer package for expiry date.
2. Keep containers tightly closed when not in use.



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