

# GLASS IONOMER CEMENT



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## Description:

**Alpha-dent®** Glass Ionomer 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. It adheres to dentin, enamel, plastic and non-precious metals.

## Indications for Use:

For permanent cementation of inlays, crowns, bridges, facings, and orthodontic bands or as a base under any filling material.

## Contraindications:

None known.

## Warnings:



- **Alpha-dent®** Glass Ionomer Cement contains polyacrylic acid. Avoid contact with eyes. If contact is made, immediately flush with a copious amount of water for at least 15 minutes. Seek medical attention.
- Excess **Alpha-dent®** Glass Ionomer Cement should be removed with a cotton roll immediately before it sets. All surrounding areas such as gingiva and adjacent teeth can be lubricated with petroleum jelly to prevent adhesion. These areas should be cleaned before cement reaches its final set.

## 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:

1. Thoroughly clean teeth to be cemented with plain pumice. Prophylaxis paste which contains oil or fluoride should not be used as it may inhibit the cementation.
2. Rinse teeth thoroughly with large amount of water and dry with oil/moisture-free compressed air. Provide suitable moisture control to isolate area and to prevent moisture contamination during initial setting.
3. Prior to measuring, shake powder bottle to uniformly blend the special powders.
4. Dispense 1 full scoop of powder and 2 drops of liquid on a mixing pad or glass slab. When dispensing the liquid, hold the dropper bottle in a vertical position well above the mixing pad or glass slab. Remove excess liquid from the bottle with a damp cloth to avoid clogging of the nozzle.
5. Incorporate the powder into the liquid in small increments. Total mixing time should not exceed 30 seconds.
6. Apply **Alpha-dent®** Glass Ionomer Cement in a uniform layer. Placement of mixed cement should be done immediately while mix is still glossy. If cement becomes dull, it should be discarded and a new mix prepared.
7. The working time of **Alpha-dent®** Glass Ionomer Cement is approximately 3 minutes at 23°C. If a longer working time is needed, mix the cement on a cool, dry glass slab.
8. Keep cement free from saliva or water for 5 minutes. The net setting time at 37°C is 5 to 5.5 minutes from the end of mixing.

## Storage:

1. Store material between 2°C/36°F to 27°C/80°F, bringing to room temperature before using (22°C/72°F). Do not freeze. See outer package for expiration date.
2. Keep powder and liquid bottles tightly covered when not in use.



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