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## GLASSBASE

### Instructions for Use

[GlassBase](#) is the ideal hard base cement and dentin substitute for use under all composite and amalgam restorations. It is dentin-shaded, radiopaque and acid-etchable and has a compressive strength of 33,000 psi. It is also used for building up missing tooth aspects behind composite and porcelain veneers and is the recommended glass ionomer for the tunnel preparation technique.

#### Mixing Information:

- Mixing Ratio : powder 0.186g - liquid 0.089g
- Minimum Ratio : 2 scoops : 2 drops ( or multiples thereof )
- Mixing Time (maximum) : 20 seconds
- Working Time (from completion of mix) : 3 minutes
- Initial Setting Time (from completion of mix) : 6 minutes
- Total Time (from beginning of mix) : 6 minutes, 20 seconds

**Please Note:** The above times are based on normal room temperature (72°F, 22°C). Warmer or cooler conditions may alter these times. If possible, allow product to reach room temperature before using.

#### Mixing Instructions:

1. Prior to measuring, gently shake or invert powder bottle several times to fluff powder.
2. Dispense 2 level scoops of [GlassBase](#) powder, or multiples thereof, onto mixing pad.
3. Dispense 2 drops of [GlassBase](#) liquid onto mixing pad for each 2 scoops of GlassBase powder.
4. Using a suitable spatula, incorporate GlassBase powder into GlassBase liquid and thoroughly mix with a flattening action for 20 seconds. Do not use a hot spatula.
5. [GlassBase](#) has a working time of 3 minutes.

#### Instructions For Composite Restorations

##### Prior to Beveling Enamel Margins of Preparation:

1. Place rubber dam whenever possible.
2. Apply a thin film of [Pulpdent Cavity Liner](#) (calcium hydroxide liner) on the pulpal floor. Dry with a slow flow of air.
3. Apply Pulpdent Bond Conditioner with a cotton or sponge pledget onto all exposed dentin surfaces for 10 seconds. Rinse with water

- for 30 seconds.
4. Reapply [Pulpdent Cavity Liner](#) if required.
  5. Insert [GlassBase](#) over [Pulpdent Cavity Liner](#) and onto all exposed dentin surfaces, such as facing, proximal, lateral and gingival walls. Condense [GlassBase](#) into preparation and against all preparations walls up to the dentino-enamel junction (DEJ).
  6. Bevel enamel margins of preparation while waiting for [GlassBase](#) to initially set. Initial setting time is 6 minutes after mixing.
  7. Apply Etch-Rite etch gel first onto all clean enamel surfaces and then onto initially set [GlassBase](#). [GlassBase](#) requires less time for acid etching than does enamel.
  8. Rinse copiously with water. Air dry.
  9. Apply your preferred light cure dentin/enamel bonding resin to all acid etched enamel and [GlassBase](#) surfaces and light cure. DO NOT TOUCH THESE SURFACES.
  10. Place your preferred light cure composite restorative, cure and finish the restoration in the conventional manner.

#### **Instructions For Selected, Deep-Seated Class II Preparations after Beveling all Enamel Margins:**

1. Coat inner side of matrix band with light cure dentin/enamel bonding resin. Cure.
2. Place matrix band in conventional manner.
3. Follow steps 1-4 under instructions for composite restorations.
4. Place [GlassBase](#) into proximal area and against the matrix extending from the gingival wall to the step of the preparation (axio-pulpal external line angle).
5. Remove all excess [GlassBase](#) from enamel and allow [GlassBase](#) to initially set. Initial setting time is 6 minutes after mixing.
6. Follow steps 7-10 above under Instructions for Composite Restoration.
7. Remove matrix and finish the restoration.

#### **Instructions for Use in Class V Preparations:**

If the gingival wall is on cementum, apply Pulpdent Bond Conditioner as per steps 1-4 under Instructions for Composite Restorations. Place [GlassBase](#) directly to the gingival-cavo surface margin. Then follow steps 6-10 under Instructions for Composite Restorations.

#### **Instructions for Use With Amalgam:**

Follow steps 1-4 under Instructions for Selected, Deep-Seated Class II Restorations. Wait 6 minutes after completion of mix before condensing amalgam.

#### **Precautions:**

[GlassBase](#) liquid contains polyacrylic acid. Avoid contact with eyes. If eye contact is made, wash eyes with copious amounts of water. See your physician immediately if required.

Wash and clean [GlassBase](#) from instruments immediately after use. Wipe dry with clean towel.

Keep [GlassBase](#) powder and liquid bottles tightly covered when not in use. Store in cool dry area.

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