

# GlassLine™

## Advanced Formula Glass Ionomer Lining Material and Post Cement

for use with composite, amalgam alloy and inlay restorations, and for cementation of posts

- Radiopaque
- Fast Hardening
- Acid Etchable

### **INSTRUCTIONS FOR USE**

#### **PRODUCT DESCRIPTION**

**GlassLute** is specifically formulated as the ideal acid-etchable glass ionomer liner base for use under all types of restorative materials including amalgam alloy, composite, cast cemented inlays, etc. It provides an integral restoration which bonds to the tooth and restores its lost strength. GlassLine's radiopacity permits instant visualization of its placement on a radiograph. It bonds to dentin, reduces microleakage and percolation of fluids and releases a favorable fluoride ion. Its stringy consistency allows easy placement with any suitable placement instrument. Its thin film thickness and excellent bonding properties permit GlassLine to serve as ideal radiopaque post cement and orthodontic band cement.

#### **PRECAUTIONS**

GlassLine 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 GlassLine from instruments immediately after use. Wipe dry with clean towel.

Keep GlassLine powder and liquid bottles tightly covered when not in use. Store in cool dry area..

#### **MIXING INSTRUCTIONS**

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

#### **APPLICATION INSTRUCTIONS**

##### **OR COMPOSITE RESTORATIONS prior to beveling enamel margins of preparation**

1. Place rubber dam whenever possible.
2. Apply Pulpdent Cavity Liner (calcium hydroxide liner) on axial and pulpal walls. Dry with 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 and dry.
4. Reapply Pulpdent Cavity Liner if required.
5. Apply GlassLine over Pulpdent Cavity Liner and onto all exposed dentin surfaces such as facing, proximal, lateral and gingival walls, up to the dentino-enamel junction (DEJ).
6. Bevel enamel margins of preparation.
7. Apply your preferred enamel acid etch solution or gel onto all clean enamel surface and the onto initially set GlassLine base/liner. GlassLine requires less time for acid etching than does enamel.
8. Rinse copiously with water for one minute and air dry.
9. Apply your preferred light cure unfilled resin bonding agent on all acid etched enamel and GlassLine surfaces and light cure. **DO NOT TOUCH THESE SURFACES.**
10. Place your preferred light cure composite restorative, cure and finish restoration in the conventional manner.

#### **APPLICATION INSTRUCTIONS**

##### **FOR SELECTED DEEP-SEATED CLASS II PREPARATIONS after beveling enamel margins**

1. Coat inner side of matrix band with light cure unfilled resin bonding agent and light cure.
2. Place matrix band in conventional manner.
3. Follow steps 1-4 under instructions for composite restorations.
4. Place GlassLine 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 excesses of GlassLine from enamel and allow GlassLine o initially set. Initial setting time is 6 minutes after mixing.
6. Follow steps 7-10 above.
7. Remove matrix and finish the restoration.

##### **FOR USE WITH ROOT CANAL POSTS AND ORTHODONTIC BANDS**

1. Remove smear layer of prepared canal with Pulpdent Bond Conditioner.
2. Coat post or band with GlassLine and seat accordingly.
3. Remove all excess material.

**APPLICATION NOTES**

For amalgam restorations, amalgam alloy can be placed and condensed directly over GlassLine 5 minutes after the end of mixing.

For inlay restorations, we suggest cementation of the inlay with GlassLute Glass Ionomer Luting Cement.

**MIXING INFORMATION**

	<b>Powder: Liquid</b>
<b>Mixing Ratio</b>	0.186g:0.133g
<b>Minimum Ratio</b> (or multiples thereof)	2 scoops:3 drops
<b>Mixing Time</b> (maximum)	20 sec.
<b>Working Time</b> (from completion of mix)	3 min.
<b>Initial Setting Time</b> (from completion of mix)	6 min.
<b>Total Time</b> (from beginning of mix)	6 min. 20 sec.

**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.

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