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GLASSLINE Instructions for Use

[GlassLine](#) is the ideal acid-etchable glass ionomer liner for use under all dental restorative materials. It provides an integral restoration which bonds to the tooth and restores its lost strength. GlassLine is radiopaque. It bonds to dentin, reduces microleakage and percolation of fluids, and releases favorable fluoride ions. It is also an ideal radiopaque post cement and orthodontic band cement.

Mixing Information:

- Mixing Ratio : 0.186 g powder : 0.089 g liquid, or 1 scoop powder : 1 drop liquid
- Minimum Ratio : 2 scoops powder : 2 drops liquid (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 [GlassLine](#) powder, or multiples thereof, onto mixing pad.
3. Holding the bottle vertically, dispense 3 drops of [GlassLine](#) liquid onto mixing pad for each 2 scoops of GlassLine powder.
4. Using a suitable spatula, incorporate GlassLine powder into the liquid and thoroughly mix with a flattening action for 20 seconds.
5. Glassline has a working time of 3 minutes

Instructions for Use:

Instructions for Composite Restorations Prior to Beveling Enamel Margins of Preparation:

1. Place rubber dam whenever possible.
2. Apply [Pulpdent Cavity Liner](#) (calcium hydroxide liner) on the pulpal

- floor. 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, or apply Etch-Rite 38% dental etching gel in accordance with the instructions for use. 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 Etch-Rite 38% phosphoric acid etch gel onto all clean enamel surfaces and then onto initially set GlassLine. GlassLine requires less time for acid etching than does enamel.
 8. Rinse with copious amounts of water and air dry.
 9. Apply your preferred dentin/enamel light cure bonding resin to 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.

Instructions for Selected Deep-Seated Class II Preparations After Beveling Enamel Margins:

1. Coat inner side of matrix band with dentin/enamel light cure bonding resin and 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](#) to initially set. Initial setting time is 6 minutes after mixing.
6. Follow steps 7-10 above under Instructions for Composite Restorations.
7. Remove matrix and finish the restoration.

Instructions for Use with Root Canal Posts and Orthodontic Bands:

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

Note: 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.

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 powder and liquid bottles tightly covered when not in use. Store in

cool dry area.

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