

GlassFill™

Glass Ionomer Filling Material

Restorative Material

- **High Compressive Strength**
 - **Fast Setting**
 - **Fluoride Ion Releasing**
 - **Acid Etchable**
-

INSTRUCTIONS FOR USE

PRODUCT DESCRIPTION

GlassFill is excellent for restoring cervical erosion areas, root caries and class III & V cavities. It is also indicated for fissure filling and restoring deciduous teeth. It can be used alone or with a composite overlay, and it can be used as a liner in conjunction with composite restorative materials for anterior restorations (the "sandwich" technique). Its index of refraction matches that of tooth structure which prevents the shine-through or matte-white effect.

PRECAUTIONS

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

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

PHYSICAL PROPERTIES

Compressive Strength	135 MPa (19600 LB/IN ²)
Diametral Strength	11.5 MPa (1700 LB/IN ²)
Water-leachable Content	0.37%
Opacity C_{0.70} Value	0.5

MIXING INFORMATION

The mixing ratio is one scoop powder to one drop liquid (1:1) with a minimum of 2 scoops powder and 2 drops liquid. For larger mixes maintain the 1:1 ratio.

Mixing Ratio 2.5–2.63g powder to 1g liquid at 22°C

Minimum Ratio	:2 scoops powder:2 drops liquid
Mixing Time	30 sec.
Working Time	2 min.
Initial Setting Time	4.5 min.

Ready to Polish 7 minutes from beginning of mix

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 powder, shake or invert powder bottle several times to fluff powder.
2. Place two or more level scoops of powder on mixing pad and divide powder into three equal piles.
3. Dispense 2 or more drops of liquid on the mixing pad by holding bottle vertically and gently squeezing. Release pressure after each drop and gently squeeze again to dispense next drop. Wipe tip clean and replace cap. Drops of liquid must equal scoops of powder.
4. Use plastic spatula and incorporate one-third of the GlassFill powder at a time into the liquid. Mix for 30 seconds with a flattening action to a homogenous, composite-like consistency.

APPLICATION INSTRUCTIONS

1. Prepare cavity in usual manner. Prepare and clean stained enamel with pumice or oil-free paste. Dovetail preparation for mechanical retention.
2. Use rubber dam to isolate treatment area from moisture or saliva contamination.
3. Place calcium hydroxide liner in deep areas only.
4. Condition dentin with your preferred conditioner or etching gel in accordance with instructions for use.
5. Mix GlassFill according to MIXING INSTRUCTIONS above.
6. Place GlassFill on prepared tooth and contour. This procedure is similar to that used for restorative composites and silicates. When using stainless steel matrix bands, first coat them lightly with Vaseline. Plastic matrix can also be used. Initial setting time is 4.5 minutes after mix.
7. Immediately cover GlassFill with glass ionomer varnish.
8. Wait 10 minutes after placing GlassFill before finishing and polishing with fine diamond or other rotary type instrument.
9. Cover GlassFill with glass ionomer varnish again.

FISSURE FILLING

Open fissures to a depth of 2mm. Remove all caries. Wash and dry treatment site. Fill fissures following instructions above.