

SECURE GI FILL XTRA 9

INTRODUCTION

SECURE GI FILL XTRA 9 is a fast setting, high strength, durable aesthetic GI restorative especially suited for minimally invasive dentistry. It exhibits a high compressive strength and superior translucency, is radiopaque and releases fluoride thereby preventing formation of plaque and secondary caries. It contains fluorescent additives that help match natural fluorescence of the enamel and make it visually superior. It adheres chemically to the tooth thereby eliminating the need to etch and bond. It offers low solubility and excellent biocompatibility thereby minimizing the pulp irritation. Its unique bridge shade concept minimizes inventory and simplifies shade selection.

INDICATIONS

- Class I and II restorations in deciduous teeth.
- Non load bearing Class I and II restorations in permanent teeth.
- Class III and Class V restoration.
- Core Build Up.

CLINICAL APPLICATION

1. **Cleaning:**

Thoroughly clean the tooth surface with pumice and water to remove biofilm.

2. **Tooth Surface Preparation:**

Prepare the tooth surface using standard preparation techniques and condition with a suitable conditioner as per manufacturer's instructions. Use of rubber dam is recommended to isolate the prepared tooth.

3. **Pulp Capping:**

If a cavity is deep, protect with an appropriate pulp capping agent.

4. **Matrix Placement:**

Place a matrix band in the case where the cavity involves proximal area as instructed by manufacturer.

5. **Powder / Liquid Dispensing:**

The recommended P/L ratio for Secure GI Fill XTRA 9 is 1 Scoop Powder:1 Drop Liquid.

- i. Use clean dry, glass slab or paper pad.
- ii. Tap and invert the bottle to fluff the powder for accurate dispensing.



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- iii. Measure one scoop of powder taking care not to compress powder against the side of bottle with the scoop. Remove excess powder from the scoop using the straight edge of the semi-circular insert. Dispense the powder onto glass slab/paper pad and tightly close the bottle cap immediately after use.
- iv. Dispense one bubble free drop of liquid near to the dispensed powder onto glass slab/paper pad. Remove any bubble with the help of a suitable instrument. Tightly close the bottle cap immediately after use.

6. Mixing:

Incorporate half of the powder into the liquid drop and mix rapidly for 15 sec followed by incorporating the remaining half for remaining 15 seconds. DO NOT ADD POWDER IN SMALL INCREMENTS. The recommended mixing, working and setting times are mentioned below:

Mixing Time	Working Time (at 23+1 °C)	Setting Time (at 37+1 °C)
30 secs	1 min 30 secs (minimum)	3 mins (maximum)

7. Material Application:

Pack the mix onto the cavity using suitable non-sticky instruments. To avoid cement adhering to the instrument, dip the clean instrument into powder. Avoid saliva contamination for 10 minutes after placement. Contour the restoration using suitable instrument and apply matrix if required. Immediately after matrix removal, protect the exposed surface of GIC by applying a thin layer of a light cured resin/varnish with a suitable brush and cure for 10 seconds. Reapply the same to ensure optimum aesthetics.

8. Finishing and Polishing:

For best results perform final finishing at subsequent visits. However finishing and polishing can be carried out 10 minutes after placement using abrasive discs or stones. After finishing it is recommended to coat the surface with glaze or varnish for protection from moisture.

PRECAUTIONS

1. Do not expose patients or users known to be allergic to this product or glass polyalkenoate cement.
2. Use medical (dental) gloves, face masks and protective glasses to avoid sensitization to powder, liquid and mixture of this product.



3. Avoid contact of liquid and powder with eyes. In case of eye contact rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
4. In case of contact with soft tissue or skin remove immediately with cotton soaked in alcohol and rinse with plenty of water. Seek medical attention if irritation or symptoms persist
5. In case of ingestion, seek medical attention.
6. Do not mix powder or liquid with components of other GICs.
7. Avoid any contamination of restoration with blood, saliva or sulcus fluid during application.
8. For more information read the safety data sheet (SDS).

STORAGE

Store in a cool dry place between 5-25°C

Caution:

Always replace caps immediately after use.

The moisture ingress can adversely affect shelf life. The powder is protected by a desiccant capsule that turns from orange to green with moisture ingress.

ADDITIONAL NOTES

1. Do not add extra liquid when mixing as this will affect properties of the material.
2. For best results use good quality stainless steel or "Silicate" spatula.
3. Clean the nozzle of the bottle with wet gauze to remove any hardened liquid plugging in the opening of the bottle.
4. If stainless steel matrices are used, they should be lightly coated with petroleum jelly.

EXPIRY DATE

- The expiry date is shown in DD/MM/YY format on the pack.
- Do not use the product after this date.

PACKAGING:

Powder Bottle 15g

Liquid Bottle 7 ml

Mixing Pad 30 leaves

Dispensing Scoop 1 N



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SHADE

A2→A3

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