

Glass Ionomer Cement Type II Base

- **Content:**
 - 1 liquid glassionomer bottle of 15 ml.
 - 1 powder bottle of 20 g.
 - 1 measuring spoon.
- **Indications:**

Bases and liners
- **Composition:**

Contains Polyacrylic acid, fluoro-silicate, colorants and additives.
- **Physical Performance:**

tgfiloglass forms a strong bond with the dentin. Due to its chemical composition, it is ideal for use under restorations of composite materials since it bonds equally well to resins and dentin, thus avoiding post-operative sensitivity, proportional with anticariogenic activity and hardening of the treated tooth due to its release of fluoride, preventing the displacement of cement and bases during the placing of restorative material and allowing the immediate continuation of the clinical procedure.
- **Instructions:**
 - a) **Pierce** the liquid dropper tip with a suitable instrument.
 - b) **Mix** one slightly heaped measuring spoon of powder with two drops of liquid (Weight ratio 0.85gm Powder to 0.4ml Liquid) until a **thin** smooth glossy homogenised paste is obtained.
 - c) **Divide** the powder into two equal parts for larger quantities. Mix the liquid with one part of the powder for 5 seconds, and then include the second part and mix for 15 seconds (total 20 seconds).
 - d) **Eliminate** the superficial humidity and **apply** the paste immediately to the base of the cavity filling the paste firmly on/into the dry prepared tooth.
 - e) After the working and mixing time is completed **do not touch** until setting is complete. Setting time from start of mixing about 6 minutes 30 sec.

Art of Mixing:

- For an accurate powder dispensing tap slightly the bottle against the palm of the hand. Do not compress the powder.

Dispense the liquid holding the bottle vertically and dispense the liquid slowly.
- The dispensing of powder and liquid is not a precise art. The dentist should judge if the consistency of the mix is satisfactory and add more powder or liquid if it appears too thin or too thick. Too thin a consistency may result in extended setting time and inferior properties; a thick consistency, as long as it is acceptable from the point of handling, will result in a shortened setting time, better mechanical properties and better resistance to oral fluids.
- tgfiloglass is water based cement and therefore can always add 2/3 drops of water into the liquid bottle and shake well if the liquid is very viscous.

It is common practice and in fact **recommended**, during hot time season, to cool down the glass slab on which the powder/liquid will be mixed, in order to extend the working time.

- **Storage:**

Store in a cool dry area at temperature 4°C-25°C (55-77) °F.
- **Expiry Date**

3 years from date of manufacture.



TECHNICAL & GENERAL Ltd. WARNINGS

Intention for use in supportive and protective base under stress-bearing amalgam, composite and porcelain restorations.

Composition:
Alumino-Silicated Glass
Polyacrylic acid

The Glass Ionomer Cement Base is not irritable to the skin. In case of contact with the eyes, wash immediately with abundant water for at least 15 minutes and if the irritation still persist consult a doctor. In case of contact with skin wash the area with soap and water. In case of inhalation clean the nose with water and seek medical assistance. Before the use of these products always use rubber dam.

Some patients can present allergy to the Glass Ionomer Cement Base or any of its components. In this case stop its use. Do not store at temperature above 24°C. Close the packages immediately after dispensing of the product.

Keep out of reach of children.
For professional dental use only.

Contraindication: The material must not be used when the application techniques described are not possible.

Warranty: Technical & General Ltd. Warrants the product against any fault of manufacture of the material. Technical & General Ltd., does not take responsibility for the misuse of the product out of the intention for use specified or out of the instructions for use, or out of the precautions, the warnings, and indicated contraindications. Being the only obligation is the replacement of the defective product.

Information: Post-production:
If the use of these products on a patient or any one else causes some anomaly, please send detailed report to Technical & General Ltd.



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NO REFRIGERATION NECESSARY