

Glass Ionomer Cement Restorative Type II

- **Content:**

- 1 liquid glassionomer bottle of 15 ml.
- 1 powder bottle of 20 g.
- 1 liquid varnish 10 g.
- 1 measuring spoon.

- **Indications:**

Restoration of primary teeth, core build-up, restorations of class III, V and limited class I cavities.

- **Composition:**

tgrestoglass contains Polyacrylic acid, fluoro-silicate, colorants and additives.

- **Physical Performance:**

This glass ionomer is a highly resistant and chemically cured radiopaque that features a great strength, chemical adhesion to the dental structure; and fluoride ions release for a long period of time.

This glass ionomer has low solubility in the mouth enhancing time-stability. Once mixed, it has greater viscosity than regular cements; it is non-sticky and may condense well in the cavity without loss of adhesiveness.

- **Instructions:**

DISPENSING OF POWDER AND LIQUID

- a) Pierce the liquid dropper tip with a suitable instrument.
- b) Shake the powder well before dispensing.
- c) The recommended ratio powder/liquid is 0.85g/0.4ml. (one slightly heaped spoon of powder and two drops of liquid). Do not compress the powder.
- d) For an accurate powder dispensing tap slightly the bottle against the palm of the hand. Dispense the liquid holding the bottle vertically and dispense the liquid slowly. Be advised tgrestoglass 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.
- e) Close both bottles immediately after use.

- **Mixing:**

Dispense the powder and the liquid over a mixing pad. Use a spatula to divide the powder in two halves.

Mix the first portion for 10 seconds with all the liquid. Add the second half and mix all perfectly for 15 to 20 seconds. (Total mixing time 30 seconds). Mix to a smooth glossy homogenised consistency. 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.

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.

- **Restoration Technique:**

- a) Prepare the tooth using standard techniques.
- b) Wash and dry the surface of the tooth. It is recommended the application of standard techniques for conditioning the cavity of the dentin. For covering the pulp, utilize calcium hydroxide cement.
- c) Mix enough quantity of cement. The working time is 1min. 30 sec. AT 22°C. At higher temperatures the working time becomes shorter.
- d) Eliminate the superficial humidity. Apply the cement in the preparation avoiding air bubbles.
- e) Adjust the contour and if it is necessary use a matrix during the first 2 minutes of setting.
- f) As soon as it starts to lose the glossy surface apply finger pressure. This will further compress the material into the cavity. The finger can be removed sideways from the tooth surface after about 30 seconds.
- g) Trimming may be necessary to free the occlusion or remove any overhang.
- h) The setting time is approximately 6 minutes 30 seconds from the beginning of the mixing. Remove the matrix if used and apply immediately the varnish tgvarnish and dry with air.

- **Finishing:**

Treatment in one session.

- 1) After final setting, correct the contour applying standard techniques and avoiding water spray.
- 2) Apply the varnish **tg**varnish and wait for 15 to 40 seconds to let it dry.
- 3) Final polish and finishing can be done under water spray.
- 4) Apply a final layer of the varnish **tg**varnish.
- 5) After 24 hrs. of setting, the cement gets maximum strength.

- **Storage:**

Store the product in a cool dry area with temperatures between 4° C and 25° C (55-77)°F.

- **Expiry Date**

3 years from date of manufacture.

For Professional Dental use only

TECHNICAL & GENERAL Ltd.
WARNINGS

Intention for use in restoration of deciduous teeth, class III & V and cervical erosion. Long term temporary restorative for Class I and II.

Composition:
Alumino-Silicated Glass
Polyacrylic acid
Varnish.

The Glass Ionomer Cement Restorative 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 Restorative 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.



CONAMCO, S.A. de C.V.
José Ma. Bustillos No. 28-Bis, 1er. y 2do. Piso,
Col. Algarín, Alcaldía Cuauhtémoc,
C.P. 06880, Ciudad de México, México.



Ivonne Richaud.
Calle Traversera de Gracia No. 315, 2°-1°
C.P. 08025, Barcelona, España.

NO REFRIGERATION NECESSARY