
Glass Ionomer Cement Type I Luting

Content:

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

Indications:

Cementation of inlays, onlays, crowns and bridges.

Composition:

Contains Polyacrylic acid, fluoro-silicate, colorants and additives.

Physical Performance:

tglutoglass 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:

- Pierce** the liquid dropper tip with a suitable instrument
- Mix** one levelled scoop of powder with two drops of liquid (Weight ratio 0.73gm Powder to 0.4ml Liquid) until a **thin** smooth glossy homogenised paste is obtained.
- 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).
- 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.
- After the working and mixing time is completed **do not touch** until setting is complete. Setting time from start of mixing about 7 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.

tglutoglass 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.

Storage:

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

Expiry Date

3 years from date of manufacture.