

Radiopaque Glass Ionomer Restorative (GB)

ProGlass™ Two is a self-cured glass ionomer restorative featuring high resistance to water. Its high surface hardness enables a durable restoration. ProGlass™ Two releases fluoride.

ProGlass™ Two has excellent tear strength and bond strength.

Indications

- Restoration of primary teeth
- Core build ups
- Restoration of Class III, V & limited Class I

Composition

Powder : Alumina – silicate glass

Liquid : Distilled Water and Polyacrylic acid.

Directions for use

Powder/Liquid ratio (g/g)	3/1
Working time	1.5-2.00 min
Setting time	3.5 - 4 min

Test Conditions: Temperature 18-23°C

ISO 9917-2:2003 (Glass Polyalkonate Cement)

1. Tooth preparation

Clean the cavity preparation with pumice and water. Rinse thoroughly and dry but do not desiccate. If desired, place a matrix band.

Optional apply a 20% polyacrylic acid with a brush onto the wet enamel and dentin surfaces for 30 secs.

Air dry gently for 10 seconds to remove the volatile components and to disperse the adhesive. For pulp capping, apply a small amount of calcium hydroxide liner

2. Dispensing and Mixing

The powder/liquid ratio to achieve a suitable constituency is 3/1.

This can be obtained by mixing of one level scoop of powder and two (2) drops of liquid.

Shake the bottle to loosen the powder. Overfill the spoon with the powder, level the spoon and place onto the mixing pad. Avoid compressing powder into the spoon with the inside wall of the bottle.

Turn the liquid bottle vertically with the tip about 5cm above the mixing pad. Steady your hand and squeeze the bottle gently to dispense two drops. If any bubbles are present, lightly tap the bottle with the fingers holding it. Discard drops that are obviously not full sized.

Use a small spatula to rapidly mix all the cement powder into the liquid. Usually one scoop of powder and 2 drops of liquid should provide for sufficient amount of mixed cement. The mixed cement should be thixotropic and have a smooth consistency and glossy appearance. Total mixing time is 30 sec.

After use, tightly close both liquid and powder bottles to prevent exposure to moisture.

3. Two and Finishing

Apply the mixed ProGlass™ Two into the prepared cavity by using a suitable placement instrument. Ensure that no air bubbles are incorporated.

Form the contour, and place a matrix if required during the first 2 minutes of setting.

Setting time is 3.5-4' from start of mixing and matrix should be removed after setting is complete.

a) One visit treatment

After initial set, correct the contour without water spray using regular techniques.

Application of varnish is recommended and after 15 minutes final finishing & polishing under water spray can now be carried out.

Apply a final coat of varnish.

b) Standard method

24 hours after placement, finish & polish the restoration under water spray using regular techniques.

Caution: For Dental Use Only

Do not use ProGlass™ Two with patients who show an allergy to the material. In case of allergic reactions immediately stop the application and advise the patient to consult a physician.

If history of allergy to glass ionomer cements is known, do not use ProGlass™ Two.

Do not allow the cement mixture to contact the oral tissues or skin. In case of contact, remove the material with absorbent cotton soaked in alcohol and rinse with water.

In case of eye contact, immediately flush with water and seek medical treatment.

Do not mix the powder or liquid of ProGlass™ Two with any other glass ionomer products.

Storage

Store ProGlass™ Two in a cool and dark place at 4-25°C (39-78°F).

Do not use after expiry date.

Warranty

Silmet Ltd. will replace product that is proven to be defective.

Silmet Ltd. does not accept liability for any damage or loss, direct or consequential, arising from the use of or inability to use the product described.

It is the responsibility of the dentist to determine before use, the suitability of the product for its intended use. The dentist assumes all risk and liability in connection therewith.