

## Radiopaque Glass Ionomer Luting Cement (GB)

ProGlass™ One chemically bonds to tooth structure & metal providing excellent strength and marginal integrity for long term restorations.

ProGlass™ One is designed for final cementation of metal inlays, onlays, posts and orthodontic brackets. ProGlass™ One has excellent marginal seal, superior longevity and restoration integrity

### Indications

- ◆ Cementation of all types of metal, porcelain fused to metal, resin crowns, inlays, onlays & bridges
- ◆ Cementation of stainless steel crowns or orthodontic appliances retained with stainless steel crowns
- ◆ Cementation of orthodontic bands
- ◆ Base or liner

### Directions for use

Powder/Liquid ratio (g/g)	2.4/1.0
Mixing time (sec)	30 secs
Working time (min. sec)	2'30"-3'00"
Net Setting time (min. sec)	3'10"-3'30"

Test Conditions: Temperature 23 +/- 1°C and humidity 45-55%.  
ISO 9917:1991 (E) (Dental water based cements)

#### 1. Tooth preparation

Clean the cavity preparation with pumice and water.

Rinse thoroughly and dry but do not desiccate and do not remove smear layer.

For pulp capping apply calcium hydroxide.

Clean and dry inside of casting or stainless steel crown

#### 2. Powder and Liquid Dispensing

The powder/liquid ratio to achieve a suitable constituency is 2.4/1.0.

This can be obtained by mixing of one level scoop of powder and three 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 one drop. 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 3 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 secs.

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

#### 3. Cementation Technique

- ◆ Cementation of cast metal crowns or bridges  
Coat internal surface of restoration with 1mm of cement and start to seat within 30secs of completing mix. Do not overfill. Note that higher temperatures shorten working time.
- ◆ Cementation of stainless steel crowns  
Fill the adapted crown with cement and seat. To enable removal of orthodontic appliances, coat the occlusal surfaces of the teeth to be cemented with a fluoride gel or petroleum jelly prior to cementation.

Net setting time is 4 minutes after start of mixing. Remove excess cement at the first formation of gel stage.

#### Caution: For Dental Use Only

Do not use ProGlass™ One 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™ One

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™ One with any other glass ionomer products.

#### Storage

Store ProGlass™ One 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.