



# ProBase™

## Radiopaque, Light Cure, Glass Ionomer Liner/Base

**ProBase™** is a reinforced glass-ionomer cement that is designed for use as a luting/lining cement. ProBase can be used under any kind of restorative material and is the perfect choice for isolating and protecting the pulp.

- Fluoride release
- Light cure command set
- Good chemical adhesion
- Good biocompatibility
- Excellent radiopacity
- Excellent mechanical properties

### Indications

- Liner/Base underneath composites, amalgam, ceramic & metal restorations.

### Contraindications

- Pulp capping

### Directions for use

Powder Liquid ratio (g/ml)	1.4/1.0
Mixing time (sec.)	20-25"
Working time (min.,sec)	3'00"
Light Curing time (sec.)	30"
Depth of Curing (mm)	1.6

Test conditions: Temperature (23° +/-1°C), relative humidity (50 +/- 0%)  
ISO 9917-2:1988 (E) Light Activated Cements (Type I)

### Powder & Liquid Dispensing

The powder/liquid ratio is 1.4 / 1.0ml . This consistency can be obtained with 1 level scoop of powder (0.125g) and 4 drops of liquid (0.09ml)

- Gently tap the powder bottle for accurate dispensing, do not shake or invert.
- Hold the liquid bottle vertically upside down. To obtain proper drop size, allow air bubbles to escape before dripping.
- After use, tightly close both liquid and powder bottles to prevent deactivation by light.

### Mixing

Dispense powder and liquid onto the pad. Using the plastic spatula, divide the powder into 2 equal parts. Mix the first portion with all of liquid for 5-10 seconds, incorporate the remaining portion and mix the whole thoroughly for 10-15 seconds.

The mixed cement should be thixotropic and have a smooth consistency and glossy appearance.

### Application & Curing

- Prepare tooth, extensive mechanical retension is not necessary.
- Avoid water and saliva contamination during application and setting of the cement. Rubber dam is the best way of achieving tooth isolation.
- Apply calcium hydroxide liner to deep areas of possible pulpal exposure.
- Etch the prepared tooth surface for 10 seconds using a 37% phosphoric acid etch like Pro-ETCH for 10 seconds
- Wash with water and dry, **do not desiccate.**
- Apply the mixed cement to the dentine surfaces of the prepared cavity in a thin layer (2mm or less) using a ball applicator or other suitable instrument.
- **ProBase™** has a minimum working time of 3min. Light cure with a visible light curing unit for 20 seconds.

**Note:** Where thicker applications of the liner/base are desired, use layering technique of incremental adhesion of 2 mm layers of mixed cement, with curing of each added layer for 20 seconds.

For bonding composite onto **ProBase™** lined preparations, use **ProLink™** adhesive or any other bonding agent of choice.

### Storage and Use

**ProBase™** liquid is **light sensitive**. Protect from ambient light to prevent deactivation. Replace jar and vial caps immediately after dispensing.

Store in cool and dark place (4 - 24°C / 39.2 - 77°F)

Shelf life: 2 years

### Caution

- In case of contact with oral tissue or skin, remove immediately with a sponge or cotton soaked in alcohol. Flush immediately with water.
- In case of contact with eyes, flush immediately with water and seek medical attention.
- Do not mix powder or liquid with any other glass ionomer components.
- Do not use this cement on patients with known history of allergy to glass-ionomer cements.

### 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.



**Silmet Ltd.**

Tel: 972-3-5331474 Fax: 972-3-5331581

[info@silmet.co.il](mailto:info@silmet.co.il), [www.silmetdental.com](http://www.silmetdental.com)



**Diadent**

13 Rue Jean Lovive 2.1 la Fosse a la Barbriere, Aulnay. France

