

CERAMBASE



Glass Ionomer Cavity Liner

Introduction

This two part material is recommended for use as a cavity liner and base material and is acid-etchable for strong bonding with composite restorations. The liner is radiopaque and is available as a universal shade.

Features and Benefits

- Bland to dental pulp and bio compatible.
- Good adhesion to dentine, enamel and pins.
- Acid-etchable for improved bonding to composites.
- High compressive strength, providing excellent support to composite restorations.
- A powder/liquid two part mix, the powder being readily into the liquid for easy use.
- Radiopaque for assessment of lining integrity.
- Releases fluoride ions.
- Translucent and universally shaded.
- Complies with ISO 9917-1: Base/Liner

Contents

25g Powder
15ml Liquid
Measuring Spoon
Mixing Pad
Instruction Sheet

Typical Properties

Mixing Time	30 Seconds
Initial Setting Time	6 Minutes
Working Time	2.5 Minutes
Film Thickness	20µm
Compressive Strength	80Mpa
Acid Soluble Arsenic Content	Less Than 2ppm
Lead Content	Less Than 20ppm
Opacity	Radiopaque

Note: Tested at room temperature 23°C and relative humidity 50%. Higher temperatures and lower relative humidities tend to accelerate the working time and setting times.

Mixing Ratio

Powder/Liquid ratio: 25./1 Mix 1gm powder with 0.4g liquid. Minimum recommended quantities are 2 scoops powder with 2 drops of liquid, 0.2g powder with 0.8g liquid, or other quantities in the same ratio.

Mixing Method

Since the powder tends to settle, it is recommended that the bottle be inverted a few times to fluff the powder up. Scoop the powder from the powder bottle with a measuring scoop, level off and place a level scoop of powder onto the mixing pad. Repeat for as many powder scoops of powder as required. Dispense the required number of liquid drops onto the mixing pad. Using a metal or plastic spatula, incorporate each of the powder heaps into the liquid until the desired consistency is achieved. Mixing should be completed in 30 seconds. Wipe spatula and instruments clean with a damp napkin prior to initial set. Replace caps on powder and liquid bottles directly after use.

Technique

Deep areas of cavity should be lined with Calcium Hydroxide liner PSP Recal and then carefully lined or base filled with Cerambase. This liner will be sufficiently set in about 6 minutes to enable acid etching. Take care to ensure all exposed dentine is properly lined prior to acid etch. The lining need not necessarily be even and can extend at least to or beyond the dentine-enamel margins. Complete the restoration. Greater adhesion to dentine can be obtained if a polyacrylic acid etch PSP Conditioner Bond is applied.

Notes

Characteristically Glass Ionomer Cements go through a rubbery state prior to setting. Full compressive strength is only achieved after 24 hours. During the initial setting stage, Glass Ionomer Cements are susceptible to water degradation, thus it is crucial the tooth be kept dry and isolated throughout the procedure. If parts of the Cerambase lining remain exposed in the oral cavity for some reason, they must be fully coated with PSP Varnish. This varnish has been specially developed to act as an effective barrier to saliva. Copal type varnish is not recommended. The powder bottle contains a dessicant capsule which should not be removed or broken open.

Caution

Both powder and liquid contain polyacrylic acid. Avoid contact with the skin and eyes. In case of contact irrigate well with water, if necessary seek medical advice. Avoid inhalation of powder dust which may cause irritation of the airways.

Handling and Storage

As material is hygroscopic both powder and liquid bottles should be stored in a cool dry place away from humid conditions. Both bottle caps must be tightly closed immediately after use. Clean up any liquid spillage with absorbent towel, rinse surfaces and dry. Sweep up powder spillage carefully wearing gloves. Consult suppliers HSDS for further details on product health and safety and material disposal instructions.

Issue 4: 05:2021

**FOR USE IN DENTISTRY
MADE IN ENGLAND**

 **PSP Dental Co Ltd**
3-5 Dylan Road, Belvedere
Kent, DA17 5QS. England
Tel: +(44) (0)2083117337
Email: info@pspdentalco.com



Denvtech Ltd, Ground Floor, 8-9 Marino Mart
Fairview, Clontarf, Dublin 3, D03 P590, Ireland

