

SILVER REINFORCED GLASS IONOMER (WATER MIX)

ISO 9917-1:2007 Glass Polyalkenoate Classes 4.2b & 4.2c

DIRECTIONS FOR USE

FEATURES:

Adheres chemically to tooth-substance and set amalgam. Contains fluoride ions. Low thermal conductivity and coefficient of thermal expansion close to tooth. Radiopaque. Non-translucent. High compressive strength. Smooth polishable surface. Activated by mixing with water. Suitable for use with minimal cavity preparation techniques.

INDICATIONS:

Class I and II cavities in deciduous teeth.

Repair of amalgam restored teeth when either tooth or restoration has fractured.

Class I and II cavities in selected permanent teeth.

Base under amalgam and posterior composite restorations.

In all classes of cavity where radiopacity rather than aesthetics is a prime requirement.

As a core build up under crown

On the root surfaces for locating overdentures

Long term temporary replacement for cusp(s)

Repair to crown margins

CAVITY PREPARATION:

Use minimal tooth reduction wherever possible. Calcium hydroxide liners need only be used in deep cavities. Tooth Cleanser (25% polyacrylic acid solution) is applied to areas of unreduced tooth, to which adhesion is required, using a pledget of cotton wool for a maximum of 30 seconds. Wash with water and dry with oil-free air. If freshly cut enamel or dentine is contaminated with saliva, Tooth Cleanser should be applied but only for 10 seconds before washing is started.

MIXING:

Mix ratio 1 scoop:1 drop of water (powder liquid ratio 11:1 m:m at 22-24°C and 40-60%RH). Invert bottle to fluff powder, this ensures correct scoop weight. Do not compress powder against the side of the bottle with the scoop. Remove excess powder using a flat spatula blade, again taking care to avoid compressing the powder. To deliver accurate water drops, hold bottle vertically. If water does not drop from the TIP of the steel tube, clean this with a tissue. Use a glass block for best results and a stainless steel "Silicate" spatula. Incorporate half the powder into the water as quickly as possible (5-10 seconds) and then add the remainder and spatulate to a THICK putty-like consistency. Total mixing time 30 seconds. DO NOT ADD POWDER IN SMALL INCREMENTS.

PLACEMENT:

Apply to cavity using normal instruments (non-stick aluminium instruments are particularly suitable). If problems of cement adhering to the steel instrument occur, dip the clean instrument either into the powder or methylated spirit. If stainless steel matrices are used, they should be lightly coated with petroleum jelly.

Working time: A minimum of 1 minute 45 seconds from start of mix at 22-24°C.

Clinical Set Time: A maximum of 3 minutes 30 seconds from end of mix.

FINISHING:

Best results are obtained by polishing with abrasive discs and stones at a subsequent visit using water spray lubrication. At 7 minutes after placement, the material is hard enough to finish using abrasive discs and stones, but petroleum jelly must be used as a lubricant to prevent excess heat and desiccation of the cement. For optimum polished surface, Shofu White Stone and Super-Snaps or 3M Soflex alumina discs, should be used. After finishing, the surface may be coated with varnish for protection from moisture.

WARNING:

Avoid contact of cleanser liquid and powder with the eyes. In case of such contact, wash thoroughly with large quantities of water and obtain medical assistance.

STORAGE:

The powder is protected against moisture uptake by a desiccant capsule, since moisture ingress can adversely affect the shelf life. Always replace caps immediately after use. If desiccant turns pink, discard the product. Store in a cool dry place (5-25°C)

BATCH CODE:

 The batch code gives an open date of manufacture in month, year, day format with a numerical suffix to uniquely identify the batch of material. Please quote this batch number in all correspondence.

 The expiry date is shown in year, month format. Do not use the product after this date.

For test purposes the powder/liquid ratio is 1.10g to 0.10g at 23±1°C and 50± 10% RH. ISO 9917 net setting time: A maximum of 3 minutes from end of mix at 36-38°C.

SPECIALLY FORMULATED FOR USE IN DENTISTRY

REF: 060X1 10g Powder

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Advanced Healthcare Ltd operate a policy of continuous monitoring and improvement of our products. If you have any comments about this product, please contact us at the above address stating the batch number shown on the packaging.

Caution: U.S. Federal Law restricts this device to sale by or on the order of a dental professional.

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