

GLASS IONOMER AESTHETIC RESTORATIVE (POWDER-LIQUID)

ISO 9917-1:2007 Glass Polyalkenoate Class 4.2c

DIRECTIONS FOR USE

FEATURES:

Adheres chemically to enamel, dentine and cementum. Contains fluoride ions. Coefficient of thermal expansion close to tooth. Suitable for use with minimal cavity preparation techniques. A fast setting Glass Ionomer with excellent translucency and optimum aesthetics. Recommended for use in difficult operating conditions such as domiciliary visits to elderly and handicapped patients.

INDICATIONS:

Class V cavities (particularly erosion lesions).

Class III cavities.

Posterior cavities in deciduous teeth.

'Sticky' pits and fissures.

Free-hand veneering.

CAVITY PREPARATION:

Use minimal tooth reduction whenever possible. Calcium hydroxide liners need only to be used in deep cavities. For areas of uncut surfaces, to which adhesion is required, apply Toothcleanser (25% Polyacrylic acid solution) for a *maximum* of 30 seconds using a pledget of cotton wool. Wash with water and dry with oil-free air. In areas, which are heavily coated with plaque or tartar, Prophylaxis with oil free Prophypaste prior to tooth cleansing is required. If freshly cut dentine or enamel is contaminated with saliva, apply Toothcleanser for 10 seconds only before washing with water and drying with oil free air.

MIXING:

The recommended powder-liquid ratio is 4.5:1 mm at 22-24°C and RH 40-60%. Use a clean and dry polished glass slab or paper pad and a stainless steel 'silicate' spatula. Invert bottle to 'fluff' powder for accurate dispensing. Measure ONE scoop of powder onto glass slab taking care not to compress powder against side of bottle with the scoop. Remove excess powder from the scoop using the straight edge of the semi-circular insert. Dispense ONE 'bubble-free' drop of liquid onto glass slab. Incorporate half the powder into the liquid and mix for 10-15 seconds, then add the remaining powder and spatulate to a uniform putty-like consistency. Total mixing time is 30 seconds. **DO NOT ADD POWDER IN SMALL INCREMENTS.**

Working time: 1 minute 30 seconds to 2 minutes from start of mix at 22-24°C.

Clinical setting time: 2 minutes 30 seconds to 3 minutes 30 seconds from end of mix.

PLACEMENT:

Place into cavity using normal instruments. To avoid material adhering to instruments, dip the clean instrument into the powder or methylated spirit. When using stainless steel matrices, coat lightly with petroleum jelly. The use of coated soft aluminium in the form of either interproximal or cervical matrices is recommended, these do not require lubrication. Avoid contamination of filling with saliva or water during placement. Immediately after removal of matrix, apply a thin layer of light-cured resin with a suitable brush and cure for 10 seconds. Alternatively, a varnish may be used. Re-apply glaze or varnish following any subsequent adjustment to ensure optimum aesthetics.

FINISHING:

Best results are obtained by polishing with abrasive discs or 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 cement. For optimum polished surface white stones and alumina discs should be used. After finishing, it is recommended to coat the surface with glaze or varnish for protection from moisture.

WARNING:

Avoid contact of powder, liquid, glaze and Toothcleanser with the eyes. In case of contact, wash thoroughly with water and obtain medical advice.

STORAGE:

Store in a cool, dry place (5-25°C). 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 becomes pink, discard the product.

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 0.90g to 0.20g at 23 ± 1°C. RH 50±-10%.

ISO 9917 net setting time: 2 minutes to 3 minutes from end of mix at 36-38°C.

SPECIALLY FORMULATED FOR USE IN DENTISTRY

| | | |
|-------------|----------|-----------------------------------|
| REF: | 125X30A2 | 30g Powder Shade A2 / 15ml Liquid |
| | 125X30A3 | 30g Powder Shade A3 / 15ml Liquid |

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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.