

## REINFORCED GLASS IONOMER (HUMID STABLE, CERAMIC REINFORCED)

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

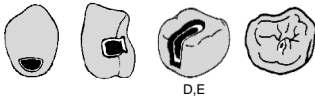
### DIRECTIONS FOR USE

#### FEATURES:

Ceramic reinforced GI is an advanced restorative material that contains fluoride and has exceptional strength. It bonds chemically to enamel, dentine and cementum. It is tooth coloured and suitable for use with the ART technique. Radiopaque, non-translucent.

#### INDICATIONS:

1. Class I and II cavities in deciduous teeth and selected permanent teeth.
2. In other classes of cavity where radiopacity is a prime requirement.
3. Repairs to cusps and crown margins.
4. Repair of amalgam restored teeth after fracture of tooth or amalgam.
5. Core build-up under crowns.
6. Lining under amalgam and posterior composite restorations.
7. Use in ART technique.



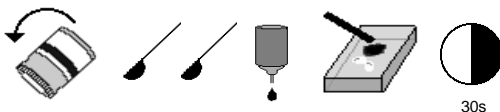
#### CAVITY PREPARATION:

Only minimal cavity preparation is needed. Cavity liner is required only in the deepest of cavities where calcium hydroxide should be used. In class V erosion lesions, Tooth Cleanser or Dentine Conditioner (25% polyacrylic acid solution) should be applied for 30 seconds to clean the tooth surface. Wash with water and dry using oil-free air. In areas heavily coated with plaque or tartar, use oil-free prophylaxis paste prior to tooth cleansing. In cut cavities, the use of tooth cleanser is not required unless subsequent contamination with saliva occurs.

#### MIXING:

Use 2 scoops of powder, to 1 drop of liquid (powder:liquid ratio 4:9 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 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 liquid drops, hold bottle vertically. Use a glass block for best results (a mix pad may also be used) and a stainless steel 'silicate' spatula. Incorporate half the powder into the liquid 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). To avoid cement adhering to steel instruments, 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:

Minimum 1 minute 45 seconds from start of mix at 22-24°C.

#### CLINICAL SETTING TIME:

Maximum 3 minutes 30 seconds from end of mix.



#### FINISHING:

Best results are obtained by polishing the restoration with abrasive discs and stones using water spray lubrication at a subsequent visit. At 7 minutes after placement the material is hard enough to finish using abrasive discs and stones, but petroleum jelly must be used as lubricant to prevent excess heat and desiccation of the cement. After finishing, the surface should be coated with varnish for protection from moisture.



#### WARNING:

Avoid contact with the eyes. In case of such contact, wash thoroughly with large quantities of water and obtain medical advice as soon as possible.

#### STORAGE:

Store in a cool, dry place. The powder is protected against moisture uptake by a desiccant capsule, but the cap should be replaced immediately after use. If desiccant turns 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.

ISO 9917 NET SETTING TIME: 2 minutes to 3 minutes from end of mix at 36-38°C.

#### TESTING:

For test purposes the powder-liquid ratio is 0.98g to 0.20g at 23±1°C and 50±10% RH.

#### SPECIALLY FORMULATED FOR USE IN DENTISTRY

REF: 247XUPL 10g Powder / 5ml Liquid – Universal Shade.

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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.