

GLASS IONOMER AESTHETIC RESTORATIVE (WATER MIX) REGULAR & EXPRESS SET

ISO 9917-1:2007 Glass Polyalkenoate Class 4.2c

DIRECTIONS FOR USE

Glass Ionomer restorative cement powder is a fast setting glass polyalkenoate material activated by mixing with water. The mixed cement adheres directly to enamel, dentine and cementum. This material is available in 7 translucent shades and 2 speeds. For optimum results the shade guide MUST be used.

INDICATIONS:

- 1) Class V cavities (particularly erosion lesions).
- 2) Class III cavities.
- 3) Posterior cavities in deciduous teeth.
- 4) 'Sticky' pits and fissures.

CAVITY PREPARATION:

Glass Ionomer restoratives, because of their adhesive qualities, can be used with minimal cavity preparation techniques. (Adhesion to set amalgam restorations may be useful in certain situations.) Cavity liner is required only in the deepest cavities where calcium hydroxide should be used. In class V erosion lesions, Tooth Cleanser (25% polyacrylic acid solution) should be applied on a pledget of cotton wool for 30 seconds to clean the tooth surface. Wash with water and dry using oil-free air. In areas which are heavily coated with plaque or tartar, prophylaxis using oil-free prophylaxis paste prior to tooth cleansing is required. In cut cavities, the use of tooth cleanser is not required unless subsequent contamination with saliva occurs.

MIXING:

Mix ratio 2 scoops of powder:2 drops of water (powder:liquid ratio 7:1 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 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). 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:

Regular Set: Minimum 1 minute 45 seconds from start of mix at 22-24°C.
Express Set: Minimum 1 minute 20 seconds from start of mix at 22-24°C.

CLINICAL SETTING TIME:

Regular Set: Maximum 3 minutes 30 seconds from end of mix.
Express Set: Maximum 3 minutes from end of mix.

FINISHING:

Best results are obtained by polishing with abrasive discs and stones using water spray lubrication during a subsequent visit. At 5 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 of 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 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.

For test purposes, the powder-liquid ratio is 1.05 g to 0.15 g at 23±1°C and 50±10% RH. ISO 9917 net Setting Time:

Regular: 2 minutes 15 seconds to 3 minutes 30 seconds from end of mix at 36-38°C.
Express: 2 to 3 minutes from end of mix at 36-38°C.

SPECIALLY FORMULATED FOR USE IN DENTISTRY

AVAILABLE IN INDIVIDUAL SHADES WITH WATER BOTTLE:

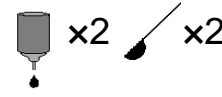
REF:	Regular Set	Express Set	Shade
	012X1R	012X1E	1 Light
	012X2R	012X2E	2 Light Yellow
	012X3R	012X3E	3 Universal
	012X4R	012X4E	4 Light Grey
	012X5R	012X5E	5 Brown Yellow
	012X7R	012X7E	7 Yellow Grey
	012X8R	012X8E	8 Dark Yellow Grey

REF: 021X1 Tooth Cleanser 10ml

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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.
2017-02 AP8192



30 s



5 min



<25°C

