

## UNIVERSAL LIGHT-CURE COMPOSITE RESTORATIVE SYSTEM

Complies With ISO 4049

### DIRECTIONS FOR USE

#### COMPOSITE FEATURES:

An advanced fluoride containing composite for both anterior and posterior use. Excellent wear resistance, aesthetics and radiopacity twice that of dentine. Available in 11 shades in single use capsules or syringes.

#### ETCH GEL FEATURES:

Optimum viscosity for easy extrusion with thixotropic 'non-drip' effect to remain where applied. Syringe presentation for ease of application. Bright colour to ensure precise placement is achieved.

#### BONDING ADHESIVE FEATURES:

A solvent-free, visible light curing Single Component Bonding Adhesive for enamel and dentine. It has a distinctive ability to moisten and penetrate the dentine. The product is a viscous non-thixotropic liquid. Only one application is needed – combines bonding agent and primer in a one part formula. It is not compromised if the dentine is wet or dry, etched or unetched. Exhibits under various operational conditions an appropriate adhesion for composites and compomers to enamel, dentine and metal as well as ensuring long lasting strong marginal adaptation.

#### INDICATIONS:

- Anterior and posterior cavities I, II, III, IV and V.
- Wedged shaped defects and root caries.
- Direct laminate veneers.
- Core build ups
- Repair of fractured laminate veneer and porcelain

#### CONTRA-INDICATION:

Exposed pulp, pulpitis, known allergy to methacrylate resin.

#### PRECAUTIONS:

1. Do not expose patients or users known to be allergic to this type of material.
2. If any eruption or skin inflammation occurs on a patient when using this product, immediately discontinue use and have the patient seek medical advice.
3. Avoid contacting soft tissues, skin or eyes. In case of contact, rinse immediately with copious amounts of water and seek medical advice.
4. If a cavity is deep, protect with a pulp capping agent. (N.B. Do not use an eugenol containing liner).
5. Wear UV protective glasses when light curing.
6. This product has been formulated for use in dentistry and is intended for use by dental professionals only.

#### APPLICATION:

1. After cleaning the tooth surface and while the tooth is still moist check the shade.
2. Prepare the cavity in the conventional way, employing a bevelled edge where appropriate. If the pulp is exposed or is close to the restoration, then a calcium hydroxide liner should be used.
3. Syringe the etch-gel directly on to the enamel surfaces to be treated. The gel can be spread using the Syringe tip or any other suitable instrument (small ball-ended plugger or brush). Leave etch gel in place for 30 seconds. Wash and dry using oil-free air. Enamel surface should have a dull frosted appearance. If not, repeat procedure as above.
4. **BONDING:** Dispense a sufficiently thick layer of Bonding Adhesive onto the etched enamel and dentine. With a brush or a cotton applicator tip, massage the Bonding Adhesive into the tooth for 20 seconds to achieve an even, glossy layer. Cure with a halogen light for 15 – 30 seconds. (The longer curing time is recommended to ensure total curing right down into the dentine tubules).
5. Dispense the required amount of composite material from the syringe or capsule. If using the syringe, release pressure immediately after dispensing by turning the syringe handle counter-clockwise 360°. Always replace the syringe cap after use. Part used capsules should be discarded.
6. After placing and contouring the restoration, cure with a light unit (halogen lamp) for 30 seconds. Light cure the entire surface of the restoration. Curing times may change according to shade and depth of the cavity. For deep cavities the layering technique is recommended. Select the light curing time in the table below.

Shade	Inc.	A2-A3-B2-A1	BW- C2	A3.5-A4-A2O-A3O
Clinical Depth Of Cure	4.0	3.0	2.5	2.0

(The above values are measured in mm for 30 seconds by a halogen light or 10 seconds with a powerful LED light)

7. After curing, remove excess material with abrasive stones and points and then polish.

#### STORAGE:

Keep away from direct sunlight and store in a cool dry place (1 - 25°C). Do not expose unused Bonding Adhesive or Composite to the operating or curing lights.

#### 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.

#### COMPOSITE STRUCTURE:

Filler: Multifunctional filler including micronised fluoroboroaluminosilicate glass.  
 Filler Loading: 83.0wt%  
 Particle Range: 0.01 to 4.0µm – Mean Particle Size: 0.8µm  
 Base Resin: Bis-GMA/TEGDMA Resin

#### SHADE RANGE:

(9 of which correspond to \*VITA Lumin® and Vintage Halo® Porcelain)  
 A1, A2, A3, A3.5, A4, B2, C2, Inc. (Incisal), BW (Bleach White), A2O (Opaque A2), A3O (Opaque A3)

#### WARNING:

The Etch-Gel contains 40% phosphoric acid. Corrosive. Causes burns. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accident of if you feel unwell, seek medical advice immediately (show label where possible). Secure cap immediately after use. Do not force plunger; if blocked, replace tip. Close Bonding Adhesive bottle or syringe after each use with the appropriate lid. Keep material out of the reach of children. In case of direct contact with the oral mucosa, rinse with plenty of water. Harmful if swallowed. Irritating to eyes and skin. May cause sensitisation by skin contact. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing, gloves and eye/face protection.

#### SPECIALLY FORMULATED FOR USE IN DENTISTRY

REF:	248X2A1	20 x 0.25g Capsule A1	248X3A1	4g Syringe A1
	248X2A2	20 x 0.25g Capsule A2	248X3A2	4g Syringe A2
	248X2A3	20 x 0.25g Capsule A3	248X3A3	4g Syringe A3
	248X2A3.5	20 x 0.25g Capsule A3.5	248X3A3.5	4g Syringe A3.5
	248X2A4	20 x 0.25g Capsule A4	248X3A4	4g Syringe A4
	248X2B2	20 x 0.25g Capsule B2	248X3B2	4g Syringe B2
	248X2 C2	20 x 0.25g Capsule C2	248X3 C2	4g Syringe C2
	248X2 BW	20 x 0.25g Capsule BW	248X3 BW	4g Syringe BW
	248X2A2O	20 x 0.25g Capsule A2O	248X3 A2O	4g Syringe A2O
	248X2A3O	20 x 0.25g Capsule A3O	248X3 A3O	4g Syringe A3O
	248X2INC	20 x 0.25g Capsule INC	248X3 INC	4g Syringe INC
	248XCik	55 x 0.25g Capsule Intro Kit (c/w 5ml Bonding Adhesive, 5ml Etch Gel & Tips and Capsule Applicator Gun)		
	248X4SK	4 x 4g Restorative Syringe Intro Kit (c/w 5ml Bonding Adhesive, 5ml Etch Gel & Tips)		
	248X55	55 x 0.25g Capsule Selection Pack (8 Shades)		
	071X1	5ml Blue Etch Gel Syringe & Tips		
	250X1	5ml Bonding Adhesive Bottle		
	250X2	2 x 1.4ml Bonding Adhesive Syringe & Tips		



Advanced Healthcare Ltd., Tonbridge, Kent, TN11 8JU, UK  
 Tel: +44 1892 870500 Fax: +44 1892 870482

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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