

AMALGOMER™ Technology

Advanced Glass Ionomer Restorative Intro Kit (Water Mix Type)

Kit Contents:

4 X 12g AMALGOMER™ Anterior Restorative (Shades A2, A3, A3.5, B2)

12g AMALGOMER™ CR Posterior Restorative Shade Universal

10ml AMALGOMER™ Dentine Conditioner - a solution of polyacrylic acid for removing the salivary pellicle on uncut or contaminated tooth surfaces, enhancing the adhesion of **AMALGOMER™**.

5ml AMALGOMER™ Varnish (Light Cured) - a resin glaze to protect and enhance **AMALGOMER™** and glass ionomer restoratives in their early phase after placement.

2 X Water Dropper Bottles, **2 X** Dropper Tips, **2 X** Scoops. Both scoops are the same – use one for **AMALGOMER™** and one for **AMALGOMER™ CR**.

AMALGOMER™

DIRECTIONS FOR USE

AMALGOMER™ is an advanced anterior restorative material that contains fluoride and has exceptional strength. It bonds chemically to enamel, dentine and cementum. **AMALGOMER™** is available in 7 Vita® shades as standard. Because of the adhesive qualities of **AMALGOMER™** only minimal cavity preparation is needed. Complies with ISO 9917-1 GLASS POLYALKENOATE and also passes the tests in the Amalgam normative standard ISO 24234:2004.

INDICATIONS:

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

CONTRA-INDICATIONS:

Keep away from pulp cavity. Line deep cavities with a calcium hydroxide liner before using **AMALGOMER™ Dentine Conditioner**.

CAVITY PREPARATION:

Cavity liner is required only in the deepest of cavities where calcium hydroxide should be used. Use **AMALGOMER™ Dentine Conditioner** to remove the smear layer where saliva contamination is present. Apply for 10 seconds where freshly cut dentine or enamel has been contaminated with saliva or up to 30 seconds for uncut tooth. Rinse with water and dry using oil-free air but do not desiccate. In areas heavily coated with plaque or tartar, use oil-free prophylaxis paste prior to application of **AMALGOMER™ Dentine Conditioner**. Fill the cavity immediately.

MIXING:

Fill the water bottle with water and insert dropper tip. Invert **AMALGOMER™** bottle to fluff powder; this ensures correct scoop weight. Do not compress powder against side of bottle with the scoop. Remove excess powder using a flat spatula blade, again taking care to avoid compressing the powder. Use 2 scoops of powder, to 2 drops of water. To deliver accurate water drops, hold bottle vertically. Water should drip from the TIP of the steel tube. Mix on a glass block with a stainless steel 'silicate' spatula (a mix pad may also be used). 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 **AMALGOMER™** 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 20 seconds from start of mix at 22-24°C.

CLINICAL SETTING TIME: Maximum 3 minutes 30 seconds from end of mix.

FINISHING:

After initial setting of **AMALGOMER™** restorative apply a thin layer of **AMALGOMER™ Varnish** and cure immediately for 10 seconds using a dental surgery light (470nm). Best results are obtained by polishing the restoration with abrasive discs and stones using water spray lubrication at 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 again with **AMALGOMER™ Varnish** and cured for 10 seconds for protection from moisture.

Powder:liquid ratio 7:1 m:m at 22-24°C and 40-60% RH.

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

AMALGOMER™ is available in the following Vita® shades:

A1, A2, A3, A3.5, B2, B4, C3 – 12g pack



THE STRENGTH
BEHIND YOUR SMILE

WARNING:

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

AMALGOMER™ Varnish - 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 gloves and eye/face protection.

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 all materials in a cool dry place (5-25°C). Always replace caps immediately after use.

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.

Specially formulated for use in dentistry.



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Advanced Healthcare Ltd. operates 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.

Vita® is a trademark of Vita Zahnfabrik GmbH, Bad Sackingen, Germany

AMALGOMER™ CR

DIRECTIONS FOR USE

AMALGOMER™ CR is an advanced posterior restorative material that contains fluoride, is radio opaque and has exceptional strength. It bonds chemically to enamel, dentine and cementum. Complies with ISO 9917-1 GLASS POLYALKENOATE and also passes the tests in the Amalgam normative standard ISO 24234:2004.

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 is a prime requirement.

As a core build up under crowns.

On the root surfaces for locating overdentures.

Long term temporary replacement for cusp(s).

Repair to crown margins.

CONTRA-INDICATIONS:

Keep away from pulp cavity. Line deep cavities with a calcium hydroxide liner before using **AMALGOMER™ Dentine Conditioner**.

CAVITY PREPARATION:

Cavity liner is required only in the deepest of cavities where calcium hydroxide should be used. Use **AMALGOMER™ Dentine Conditioner** to remove the smear layer where saliva contamination is present. Apply for 10 seconds where freshly cut dentine or enamel has been contaminated with saliva or up to 30 seconds for uncut tooth. Rinse with water and dry using oil-free air but do not desiccate. In areas heavily coated with plaque or tartar, use oil-free prophylaxis paste prior to application of **AMALGOMER™ Dentine Conditioner**. Fill the cavity immediately.

MIXING:

Fill the water bottle with water and insert dropper tip. Invert **AMALGOMER™ CR** bottle to fluff powder; this ensures correct scoop weight. Do not compress powder against side of bottle with the scoop. Remove excess powder using a flat spatula blade, again taking care to avoid compressing the powder. Use 1 scoop of powder, to 1 drop of water. To deliver accurate water drops, hold bottle vertically. Water should drip from the TIP of the steel tube. Mix on a glass block with a stainless steel 'silicate' spatula (a mix pad may also be used). 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 **AMALGOMER™ CR** 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 30 seconds from start of mix at 22-24°C.

CLINICAL SETTING TIME: Maximum 3 minutes 30 seconds from end of mix.

FINISHING:

After initial setting of **AMALGOMER™ CR** restorative apply a thin layer of **AMALGOMER™ Varnish** and cure immediately for 10 seconds using a dental surgery light (470nm). Best results are obtained by polishing the restoration with abrasive discs and stones using water spray lubrication at 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 again with **AMALGOMER™ Varnish** and cured for 10 seconds for protection from moisture.

Powder liquid ratio 11:1 m:m at 22-24°C and 45-55% RH.

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.

AMALGOMER™ CR is available in an opaque Universal shade and White - 12g pack.