

vebro MMA Cove (Hardened with vebro MMA Catalyst)

vebro MMA Cove is a neutral, solvent-free, methyl-methacrylate used to create a coving mortar that can be filled with either natural or coloured DK1 quartz.

vebro MMA Cove is mixed with a dry powder catalyst, such as vebro MMA Catalyst, to trigger a reaction, which rapidly hardens the material.

vebro MMA Cove can be used to form cove details in both wet and dry process areas as well as in conjunction with both decorative and pigmented MMA flooring systems.

Component	Unit	
vebro MMA Cove	25.0 kg	✓ Used to form a cove mortar
Total Unit:	25.0 kg*	✓ Excellent flexibility
		✓ Low yellowing
		✓ Suitable for dry and wet process areas

*See *Catalyst Addition* table for recommended hardener dosage.

Density

1.02 kg / ltr

Unit Weight

25.0 kg (24.5 ltr)

Flash Point

+10°C

Coverage

Dependent on use. See *Mix Design* table for further information.

HS Code

2916142020

Consumption

The recommended consumption of the vebro MMA Cove mortar is 2.00 kg / linear metre.

This assumes a 100.0 mm high, 50.0 mm radius cove.

See *Mix Design* table for further information.

Working Time

~15 minutes @ 20°C (usable working life of material following mixing and immediate spreading as per the application instructions).

Overcoating Time

After 45 minutes @ 20°C

Speed of Cure

- Light Touch – 45 minutes
- Full Chemical Cure – 2 hours

Application Temperature

~-10 – 25°C is recommended. Outside of this range, heating or cooling equipment should be used to achieve ambient conditions.

Storage & Shelf Life

All components should be stored off the ground, in a cool dry area, away from direct sunlight between 10 – 30°C. Materials will keep for 6 months in the closed original container and provided the above storage conditions have been met.

*These coverages are theoretical and may vary due to a number of factors including the condition of the substrate. It is the applicator's responsibility to ensure the substrate has been surveyed and tested. A recommended 5% wastage addition is advised on all orders.

Mix Designs

Product	Cove Mortar	
vebro MMA Cove	25.0%	8.33 kg
vebro MMA Filler, or vebro Natural Quartz (0.7 – 1.2 mm)	75.0%	25.0 kg
Av. consumption:	2.00 kg / lm	
vebro MMA Catalyst (by weight of liquid content)	1.0 – 4.5 %	0.83 – 0.50 kg

Natural Quartz

Natural quartz from other suppliers must be evaluated for resistance to MMA and water prior to use. Ensure that epoxy-coated sands do not contain amine hardeners as these may lead to curing problems when used in conjunction with MMA resins. This also applies to water-emulsifiable binders.

vebro Natural Quartz has been adequately tested and deemed suitable for use in clear bound decorative MMA quartz systems.

Substrate Requirements

The surface must exhibit a minimum compressive strength of 25 N/mm² and an adhesive strength of 1.5 N/mm². The surface must be clean and free of dust and loose particles. All traces of contaminants, including oils, fats, grease, paint, chemical and laitance should be removed. Any cracks or damage should be properly remedied prior to application.

The substrate MUST be suitably primed with the appropriate MMA Priming material.

Application Instructions

Application Temperature

Prior to application, the material should be heated to an ambient temperature (air and floor temperature).

Mixing

Mix vebro MMA Cove with vebro MMA Catalyst for approximately 2 minutes using a slow speed drill and helical spinner to ensure the BPO is completely dissolved before adding any filler components.

The necessary quantity of vebro MMA Catalyst must be adjusted in light of the temperature of the surface. For the exact quantities, please refer to the table below:

Catalyst Addition

Temperature	Catalyst	Pot Life	Curing Time
0 °C	6.0%	20 mins	60 mins
+10 °C	4.0%	20 mins	45 mins
+20 °C	3.0%	15 mins	30 mins
+30 °C	2.0%	10 mins	25 mins

You must not dose less than the given quantity of **vebro MMA Catalyst**, as this will adversely affect the curing process. You must also avoid overdosing the **vebro MMA Catalyst**, as this can likewise lead to serious curing problems.

If the pot life, within which good penetration of the substrate is guaranteed, is to be observed, appropriate batch quantities should be estimated. The material must be applied as soon as the **vebro MMA Catalyst** has completed dissolving within the resin components.

Application

Determine the desired height of the cove and mark it on the wall using a laser level or chalk line. Some installers use cove strip with a self-adhesive back to help create the cove shape.

Use a steel float and a coving trowel to apply the **vebro MMA Cove** mortar onto the primed surface. Work the mortar into the desired cove shape, ensuring a smooth and rounded transition. Use a cove tool or trowel to shape and finish the cove, ensuring a clean and professional look.

The application of the system requires special skills and practice (the prevention of puddles, good compaction of the mortar) to avoid pores and air bubbles within the mentioned tolerance of fillers and resin with dependence on the thickness.

After hardening, a wearing topcoat must be applied.

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Overcoating

Overcoating should be carried out within 24 hours of application. If longer than 24 hours it will be necessary to lightly grind the surface by mechanical means before overcoating is carried out.



Supplied by:	Vebro Polymers UK Limited, <i>Argyle House, Stanley Green Trading Estate, Epsom Avenue, Handforth, Wilmslow, Cheshire, SK9 3RN, United Kingdom</i>		
Harmonised Standard	EN 13813:2002 (System 4)		
Intended Use:	Synthetic resin screed materials for use internal use		
Reaction to Fire	E _{fl} *	Release of Corrosive Substances	SR
Wear Resistance	AR1	Bond Strength	>B1.5

*Improved results of B_{fl}, C_{fl} are achieved when tested as part of the completed system.

Further Information

Information relating to the safe handling of this product can be found in the Material Safety Data Sheet. Local regulations concerning the safe handling of resin based coating materials must be observed. Suitable protective clothing including eye protection must be worn at all times.

All consumptions listed are for recommendation purposes only. Detailed application instructions and system build-up advice can be provided on request through our Technical Services team.

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Argyle House, Stanley Green Trading Estate, Epsom Avenue, Handforth, Wilmslow, Cheshire, SK9 3RN, United Kingdom

w: vebro polymers.com | **e:** hello@vebro polymers.com | **t:** +44 (0) 1618 738 396