

vebro MMA Repair Mortar (2-Pack)

vebro MMA Repair Mortar is a two component grey-coloured methyl-methacrylate repair mortar with very high compressive strength designed for applications between -10°C to 30°C.

vebro MMA Repair Mortar is suitable as a wear resistant coating at thicknesses between 6.0 – 20.0 mm for areas subject to heavy loads and high mechanical stress. Greater coat thicknesses can be achieved by adding further coarse aggregates.

vebro MMA Repair Mortar can also be used as a localised fast-cure crack and void repair mortar both indoors and out.

Component	Weight	
vebro MMA Repair Mortar (Part A)	15.0 kg	✓ High compressive strength (75 N/mm ²)
vebro MMA Repair Mortar (Part B)	1.85 kg	✓ High tensile strength in bending (17 N/mm ²)
Total Unit:	16.85 kg*	✓ Low shrinkage
		✓ Good self levelling properties
		✓ Wear-resistant

Density

0.93 kg / ltr

Unit Weight

16.85 kg (18.1 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 Repair Mortar is 2.00 kg / m² per mm thickness.

See **Mix Design** table for further information.

Working Time

~12 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 Foot Traffic – 45 minutes
- Full Chemical Cure – 1 – 3hours

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	Mortar at 6.0 mm		Mortar at 25.0 mm		Mortar at 50.0 mm	
vebro MMA Repair Mortar (Part A)	89.0%	15.0 kg	60.5%	15.0 kg	47.0%	15.0 kg
vebro MMA Repair Mortar (Part A)	11.0%	1.85 kg	7.5%	1.85 kg	6.0%	1.85 kg
vebro Natural Quartz (2.0 – 8.0 mm)	n/a		32.0%	8.0 kg	9.0%	3.0 kg
vebro Natural Quartz (8.0 – 16.0 mm)	n/a		n/a		38.0%	12.0 kg
Av. consumption:	12.00 kg / m ²		50.00 kg / m ²		100.00 kg / m ²	

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.

Application Instructions

Application Temperature

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

Mixing

Add vebro MMA Repair Mortar (Part A) slowly to vebro MMA Repair Mortar (Part B) before adding any filler components.

Add the filler components and mix for two minutes until well agitated. Mixes incorporating coarse aggregates can be mixed in a concrete mixer.

Application

vebro MMA Repair Mortar is spread evenly to the desired thickness by means of a doctor blade and smoothed or applied using an aluminium lath and screed board. The boards should normally be made from polypropylene strips (PP), as these can be easily detached from the mortar after hardening and then cleaned

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.

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.

If overcoating with an MMA system, it is recommended that the surface is first primed with **vebro MMA Primer**.



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.

Vebro Polymers' systems and products are guaranteed against defective material and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request.

Vebro Polymers accepts no responsibility for liability claims based on the suggested practises and data values listed on product data sheets. Product data sheets are regularly updated and it is the user's responsibility to ensure they obtain the most recent version. The most recent versions can be found at www.vebropolymers.com

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

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