vebro polymers

vebro MMA Primer
(Hardened with **vebro** MMA Catalyst)

vebro MMA Primer is a low viscosity, solvent-free, transparent, adhesive methyl-methacrylate primer.

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

vebro MMA Primer is typically used in a one-coat application as an adherant primer on concrete and other cementitious substrates.

If the substrate is particularly porous two coats may be required.

Component	Small	Bulk
vebro MMA Primer	25.0 kg	180.0 kg
Total Unit:	**25.0 kg***	**180.0 kg***

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

- ✓ **Excellent adhesion characteristics**
- ✓ **Fast cure – walk on / overcoat in 45 minutes**
- ✓ **Low viscosity**
- ✓ **Bulk units available**

Density
0.98 kg / ltr

Unit Weight
25.0 kg (25.5 ltr)

Flash Point
+10°C

Coverage
~62 sqm / 25.0 kg unit at the lowest recommended consumption based on one coat.

HS Code
2916142020

Consumption
The recommended consumption of **vebro** MMA Primer is 0.40 kg/m^2 per coat*. If the slab is particulalry porous, two coats may be required.

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 – 30 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.

If application needs to be performed at temperatures from –11°C to –25°C, a low temperature version of the product can be used. Seek Technical guidance.

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.

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Substrate Requirements

The surface must exhibit a minimum compressive strength of 25 N/mm^2 and an adhesive strength of 1.5 N/mm^2. 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 should be thoroughly tested to ensure a pull-off strength of 25 N/mm^2. The surface MUST be sound, free of contamination, cement laitance or other surface treatments that could negatively impact adhesion.

Application Instructions

Application Temperature

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

Mixing

Add the required amount of **vebro** MMA Catalyst to the resin component and mix for two minutes. Use a slow speed drill and helical spinner, taking care not to entrain air.

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
-10 °C	7.0%	22 mins	60 mins
0 °C	5.0%	15 mins	40 mins
+20 °C	3.0%	12 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

vebro MMA Primer must be applied evenly without leaving puddles by means of a paint roller or brush. If rubber blades are used, the surface must always be rolled with a paint roller afterwards. Matt and heavily absorbent patches must be re-primed wet in wet before hardening until the pores are closed up.

To improve inter-coat adhesion **vebro** Natural Quartz (0.7 – 1.2 mm) can be broadcast into the wet primer coat. Allow the primer to cure before overcoating.

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.

UK CA CE 24

Supplied by:	**Vebro Polymers UK Limited,** *Argyle House, Stanley Green Trading Estate, Epsom Avenue, Handforth, Wilmslow, Cheshire, SK9 3RN, United Kingdom*		
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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