

## vebro MMA Metal / Ceramic Primer (Hardened with vebro MMA Catalyst)

**vebro MMA Metal / Ceramic Primer** is a medium viscosity, solvent-free and transparent methyl-methacrylate primer.

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

**vebro MMA Metal / Ceramic Primer** is typically used in a one-coat application as an adherant primer on ceramic tiles as well as metal substrate including untreated steel, stainless steel, aluminium and galvanised sheet metal.

Component	Small	Bulk	
vebro MMA Metal / Ceramic Primer	25.0 kg	180.0 kg	✓ Excellent adhesion to ceramic and metals
<b>Total Unit:</b>	<b>25.0 kg*</b>	<b>180.0 kg*</b>	✓ Fast cure – walk on / overcoat in 45 minutes
			✓ Medium viscosity
			✓ Bulk units available

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

### Density

0.99 kg / ltr

### Unit Weight

25.0 kg (~25 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 Metal / Ceramic Primer** is 0.40 – 0.60 kg/m<sup>2</sup> per coat\*.

### 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.

### 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.

# vebro MMA Metal / Ceramic Primer

(Hardened with **vebro** MMA Catalyst)



## Substrate Requirements

Steel substrates must be derusted and prepared to SA 2.5 in accordance with DIN 55929. Non-ferrous metals and tiles must be cleaned and prepared by sanding down or blasting. Processing is performed using a short-pile solvent resistant paint roller.

## 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	4.5%	35 mins	80 mins
0 °C	3.0%	32 mins	60 mins
+10 °C	2.0%	18 mins	55 mins
+20 °C	1.5%	12 mins	45 mins
+30 °C	1.0%	10 mins	40 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 Metal / Ceramic 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.



Supplied by:	<b>Vebro Polymers UK Limited,</b> 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 <sub>fl</sub> *	Release of Corrosive Substances	SR
Wear Resistance	AR1	Bond Strength	>B1.5

\*Improved results of B<sub>fl</sub>, C<sub>fl</sub> 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.

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