

## vebro EP DPM (2-Pack)

**vebro EP DPM** is a solvent free, two-component, moisture mitigating damp proof epoxy primer.

**vebro EP DPM** is a two-coat system, which provides robust protection against excessive concrete moisture, trapped water under the substrate and alkalinity (pH).

**vebro EP DPM** is used as a priming layer prior to the installation of a wide range of flooring types and system - including epoxy and polyurethane resin finishes - in order to ensure maximum adhesion.

**vebro EP DPM** can be supplied pigmented (**vebro EPM DPM (Pigmented)**) in either red or grey for visual clarity and ease of application monitoring,

Component	Weight	
vebro EP DPM (Part A)	10.0 kg	6.25 kg
vebro EP DPM (Part B)	6.0 kg	3.75kg
<b>Total Unit:</b>	<b>16.0 kg</b>	<b>10.0 kg</b>



### Density

**Mixed Unit: 1.10 kg / ltr**

Part A: 1.13 kg / ltr

Part B: 1.07 kg / ltr

### Unit Weight

16.0 kg (14.5 ltr)

10.0 kg (9.1 ltr)

### Mix Ratio

A:B = 5:3

### Coverage

~32 sqm / 16.0 kg unit at the recommended consumption based on two coats.

### HS Code

(Part A) 3907300080

(Part B) 3824999299

### Consumption

The recommended consumption of **vebro EP DPM** is 0.20 – 0.35 kg/m<sup>2</sup> per coat\*. Two coats are required.

### Working Time

**~40 minutes @ 20°C** (usable working life of material following mixing and immediate spreading as per the application instructions).

### Overcoating Time

**~8 – 24 hours @ 20°C** (some mechanical preparation may be required if outside of this window).

### Speed of Cure

- Light Foot Traffic – 18 hours
- Light Wheeled Traffic – 24 hours
- Heavy Duty Traffic – 72 hours
- Full Chemical Cure – 7 days

### Storage

All components should be stored off the ground, in a cool dry area, away from direct sunlight between 10 – 25°.

### Shelf Life

12 months when stored as described.

\*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.

## Substrate Requirements

**vebro** EP DPM is suitable for application on cementitious substrates and suitable polymer modified screeds.

All substrates should be capable of bearing loads, free of cracks and voids as well as free from water ponding as well as laitance, dust and other contamination including dirt, oil, grease, coatings, and surface treatments.

The substrate should be sound with a minimum compressive strength of 25 N/mm<sup>2</sup> and a minimum tensile strength (pull-off) of 1.5 N/mm<sup>2</sup>. The concrete substrate must be a minimum of 28 days old and the residual moisture content must be a maximum of 4% CM.

Where the concrete substrate is in contact with the ground, an effective damp proof membrane should have been incorporated into the slab design.

## Substrate Preparation

Concrete or suitable polymer modified screed substrates should be mechanically prepared using captive vacuum enclosed shot blasting or diamond grinding, to remove surface cement based laitance and previous surface treatments leaving an open textured mechanically prepared surface.

Weak concrete / polymer modified screed must be removed and repaired using recommended Vebro Polymers' products. Imperfections in the concrete (holes and cracks) should be filled using **vebro** EP Mortar.

## Application Instructions

### Mixing

The contents of the **vebro** EP DPM (Part B) should be drained into the **vebro** EP DPM (Part A) component and the two materials thoroughly mixed at a speed of 350 rpm for two minutes.

The mixed liquid should then be poured into a clean suitably sized separate mixing container and mixed for a further minute.

### Application

Spread the mixed **vebro** EP DPM across the substrate with a squeegee and back-roll with a short-pile roller.

## 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.



Manufactured 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) Reaction to Fire Behaviour (System 3)		
Intended Use:	Synthetic resin screed materials for use internally in buildings and intended for wearing surfaces.		
Reaction to Fire	Bi-s1	Release of Corrosive Substances	SR
Wear Resistance	N/A	Bond Strength	B2.0

## 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 suitable 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.vebro polymers.com](http://www.vebro polymers.com)***

for chemistry you can count on...

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

w: [vebro polymers.com](http://vebro polymers.com) | e: [hello@vebro polymers.com](mailto:hello@vebro polymers.com) | t: +44 (0) 1618 738 396