

vebro EP Primer (2-Pack)

vebro EP Primer is a transparent, solvent-free, epoxy primer and binder.

vebro EP Primer acts as a priming coat prior to the installation of epoxy and polyurethane resin flooring systems in order to ensure maximum adhesion.

vebro EP Primer can be applied onto cementitious and other hydraulic substrates as well as suitable polymer modified screeds.

Two coats are recommended if the substrate is particularly porous.

vebro EP Primer can also be used as a binding agent in conjunction with blended fillers and quartz sands in order to create repair mortars that can be used to fill imperfections or cracks in existing slabs, or alternatively to create a scratch coat primer with additional body.

Component	Weight	Weight	✓ Excellent adhesion characteristics
vebro EP Primer (Part A)	6.67 kg	20.0 kg	✓ 100% solids and solvent-free
vebro EP Primer (Part B)	3.33 kg	10.0 kg	✓ Low odour during application
Total Unit:	10.0 kg	30.0 kg	✓ High compressive strength

Specific Gravity

1.09 g/cm³ @ 25°C

Viscosity

600 – 1,000 mPas

Working Time

~20 – 25 minutes @ 25°C (usable working life of material following mixing and immediate spreading as per the application instructions).

Application Temperature Range

~10 – 30°C is recommended. Outside of this range, heating or cooling equipment should be used to achieve ambient conditions. The substrate, before priming, should be at least 3°C above the dew point to reduce the risk of condensation or blooming. This should be maintained for 48 hours after application.

Coverage

The recommended coverage of **vebro** EP Primer is 0.25 – 0.50 kg/m² per coat. Two coats are required if the surface is especially porous.

Overcoating Time

Within 24 hours @ 25°C

Speed of Cure

- Light Foot Traffic – 18 – 24 hours
- Light Wheeled Traffic – 48 hours
- Heavy Duty Traffic – 72 hours
- Full Chemical Cure – 7 days

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 12 months in the closed original container and provided the above storage conditions have been met.

Typical Properties

Compressive Strength	DIN ISO 196	>65 N/mm ²
Adhesion	DIN ISO 4624	> 1.5 N/mm ²

The typical physical properties given above are derived from testing in a controlled laboratory environment at 20°C. Results derived from testing field applied samples may vary dependent upon site conditions. The slip resistance figures given above are affected by application techniques and prevailing site conditions. Slip resistance can reduce over time due to poor maintenance, general wear or surface contaminants. Good housekeeping practices should be observed.

Substrate Requirements

vebro EP Primer 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/mm² and a minimum tensile strength (pull-off) of 1.5 N/mm². 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 Primer (Part B) should be drained into the **vebro** EP Primer (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 Primer 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.

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

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