

vebroscreeed Primer

vebroscreeed Primer is a moisture tolerant, water-based polymer primer, sealer and bonding aid suitable for use on porous and non-porous substrates, as well as a curing agent for cementitious based substrates

Designed to promote the adhesion of vebroscreeed self-smoothing underlayments to porous and non-porous substrates, vebroscreeed Primer stabilises and consolidates the substrate surface and reduces the absorbency enabling subsequent materials to flow, cure, and bond successfully.

vebroscreeed Primer is also recommended for use between layers of smoothing underlayments when multi-layer applications are being carried out to minimise pinholes, reduce porosity and maximise interlayer adhesion.

Substrate Preparation

All surfaces must be thoroughly dry and in a sound and stable condition free from contaminants that may hinder adhesion such as dust, oils, grease etc. All laitance and surface treatments must be removed. Smooth dense surfaces must be roughened by mechanical scabbling, shot blasting or a suitable degree of surface grinding to enhance the mechanical key / surface profile.

Concrete or cementitious base substrates should be tested in accordance with BS8203 to ensure a moisture reading of less than 75% RH should be achieved. Where this has not been attained or where there is uncertainty that the subfloor / substrate design incorporates a damp proof membrane (DPM) then a suitable Vebro Polymers epoxy surface DPM system must be applied.

Application Instructions

All substrates must be at a minimum temperature of 5°C before, during and after application of the primer to ensure film forming and bonding is achieved. The temperature of the substrate should exceed the “dew point” by 3°C during application and hardening.

Porous Application

vebroscreeed Primer should be applied using a brush or suitable roller and scrubbed well into the surface avoiding pooling. The number of coats required will be subject to the substrate and the following application. See consumption rates for general guidance.

Liquid Mixture

Consumption*

- Used as a primer on porous substrate
 - 1:1 dilution @ 0.05 – 0.06 kg/m²
 - 3:1 dilution @ 0.03 – 0.04ltrs/m²
- Used as a primer on non-porous substrate
 - Neat (undiluted) @ 0.10 – 0.20 kg/m²
- Used as a curing agent
 - 1:1 dilution @ 0.13 – 0.17 kg/m²

Relative Density

1.00 – 1.03

Film Thickness

50 – 60 microns

Application Temperature

Optimum between 10 – 25°C, but no less than 5°C

Film Forming Temperature

Minimum 5°C

Packaging (Unit Sizes)

5.0 ltr

Colour

Milky pink / opaque

Shelf Life

12 months in closed original container.

Storage

Store between 5°C and 30°C and out of direct sunlight and frost.

Working Time

20 – 30 minutes @ 20°C

Foot Traffic

2 – 2.5 hours @ 20°C

Overcoating Window

Approx. 1 – 2 hours @ 20°C

Low relative humidity and good ventilation (air movement) are also prerequisites to achieve the above drying time.

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.

* Product consumption will depend on dilution rates of primer and composition / texture of subfloor. The rates given are based on a smooth subfloor at the given dilution.

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Drying rates will be directly linked to subfloor absorbency and ambient conditions including temperature and humidity. Always allow to dry to a clear film. Under good ambient temperature drying conditions vebroscreeed Primer applications will be ready to receive further materials typically after 1 to 2 hours.

Non-porous Application

vebroscreeed Primer should be applied neat as a single coat, using a brush or suitable roller. Apply to give a thin uniform coverage with no pooling of primer. Ensure a complete overall application is achieved. Once dry, the primer will exhibit a light tack and is ready to receive self-smoothing underlayments and cementitious tiling adhesives. Keep the area free from dust or contamination during the drying time and ensure further products are applied within 36 hours. Ambient conditions should be maintained above 10°C during this time. Drying rates will be directly linked to and ambient conditions including temperature and humidity. Always allow to dry to clear film. Under good ambient temperature drying conditions vebroscreeed Primer applications will be ready to receive further materials typically after 1 to 2 hours.

Curing Agent

Dilute vebroscreeed Primer 1:1 with clean water and transfer into a good quality spray bottle. Spray 8 – 10 inches away from surface immediately upon completion of laying cement materials, to provide an even, continuous film. Do not apply by brush or roller, do not mix with other curing compounds.

Coverage Rates

Substrate Porosity	Dilution (water : primer)	Coverage per container (5.0 ltr)	Consumption per ltr
Porous	1:1	70 – 100 m ²	14 – 20 m ²
Porous	3:1	140 – 200 m ²	28 – 40 m ²
Non-porous	Neat	25 – 50 m ²	5 – 10 m ²
Curing agent	1:1	30 – 40 m ²	6 – 8 m ²

Cleaning & Maintenance

For the long-term maintenance of the properties of polymer flooring materials, a regular cleaning and care programme is recommended.

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 epoxy 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.

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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. For more information, please refer to individual product data sheets or contact our Technical Services team.

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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