vebro polymers

vebrocrete PU Primer

vebrocrete PU Primer is a 2-component polyurethane surface primer for use with **vebro**crete flooring systems. It has excellent adhesion to correctly prepared concrete and SBR polymer modified cementitious screeds.

vebrocrete PU Primer is designed to seal the underlying substrate in terms of reducing the porosity and improve the adhesion of **vebro**crete polyurethane concrete resin screed system (not **vebro**crete HF / MF Plus systems), with a residual moisture content tollerance of up to 97% RH (Relative Humidity).

Substrate Preparation

Ensure the surface to be primed is integrally sound, clean, dry. Mechanically remove any old or flaking paint or resin-based coatings or cementitious underlayment's to expose the underlying concrete or cementitious SBR Polymer modified screed.

The concrete or proprietary cementitious or polymer modified screed substrate must be a minimum of 28 days old and the residual moisture content must be a maximum of 75% RH. The substrate should be sound with a minimum compressive strength of 25 N/mm^2 and a minimum pull-off strength of 1.5 N/mm^2. Additionally, the underlying substrate must contain a functioning damp proof membrane.

Concrete and cementitious substrates should be mechanically prepared using vacuum enclosed abrasive blast cleaning or diamond grinding equipment to remove laitance and previous surface treatments followed by thorough vacuuming leaving an open textured surface. Weak concrete must be removed and repaired using recommended Vebro Polymers products.

Surfaces must be free from liquid water and appear to be visibly dry the atmosphere must be free from condensation with an ambient temperature at 3°C above the dew point.

Application Instructions

Mixing

Pour all the contents of the Hardener B container into Base A container and thoroughly mix for a minimum of 1 minute using a slow speed mixing drill and paddle, avoiding air entrainment by ensuring that the mixing head is kept fully immersed during the mixing process. Add Filler C slowly whilst mixing and continue for a further 2 minutes until a lump-free consistency is achieved. Periodically scrape the bottom and sides of the mixing vessel until the mixed material forms a uniform appearance and consistency.

Liquid Mixture

Consumption
0.25 – 0.30 kg/m^2

Film Thickness
0.10 – 0.15 mm
(100 – 150 microns)

Application Temperature
10 – 25°C
(minimum temperature must remain above 10°C)

Packaging (Unit Sizes)
3.0 kg

Colour
Yellowish / brown

Shelf Life
6 months in unopened original containers.

Storage
Store in dry conditions at temperatures between 10°C and 25°C. Do not expose to freezing conditions.

Working Time
15 mins @ 15°C

Foot Traffic
12 hours @ 15°C

Overcoating Window
12 – 24 hours @ 15°C

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.

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CE EN 13813 SR-B2, 0-AR0,5-IR20

Application
Apply at temperatures between 10 and 30°C. Do not apply if the ambient or floor (substrate) temperature is likely to drop below 5°C within the next 24 hours. Immediately after mixing, apply at the specified coverage rate using medium nap roller, it is important to work efficiently as the cure rate is relatively fast. Do not allow to puddle on the floor / substrate surface.

Apply into anchor / toe-in groves by means of a non-shed paint brush to achieve a uniform consistency, remove any excess material from anchor / toe-in grooves as required to leave a uniform film thickness application.

Please note…

- **vebro**crete PU Primer is not a wearing finish and should be overlaid with a suitable **vebro**crete resin screed or coating within the application time window.
- Protect the installed floor from damp, condensation, and water for at least 12 hours at 15°C.
- The substrate and uncured **vebro**crete PU primer must be kept at a temperature at least 3°C above the dew point to reduce the risk of condensation or blooming forming on the surface.
- **vebro**crete PU Primer must be overlaid within 24 hours of application or if this application overcoat window is exceeded be fully abraded and re-primed with **vebro**crete PU Primer.

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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