

vebrocrete PU Repair Mortar

vebrocrete PU Repair Mortar is a resin-rich, granite reinforced, trowel-applied polyurethane repair mortar.

vebrocrete PU Repair Mortar is used as underlayment or infill on concrete and polymer modified sand/cement screeds and to form falls or ramps prior to the application of **vebrocrete** systems.

Substrate Preparation

The substrate should be sound with a minimum compressive strength of 25 N/mm² and a minimum pull-off strength of 1.5 N/ mm². The surface must be clean, dry, and free of contaminants such as dirt, oil, grease, coatings, and surface treatments.

The concrete substrate must be a minimum of 28 days old and the residual moisture content must be a maximum of 97% RH (Relative Humidity).

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

Application Instructions

Priming

vebrocrete PU Repair Mortar should be applied into **vebro** EP TC Primer whilst still tacky to ensure adhesion.

Mixing

Prior to mixing, the temperature of the three components must be between 15 and 25°C. Pre-mix the resin component before use. Add the hardener component to the resin component and mix using a low speed electric mixer (300 – 400 RPM) for 1 – 2 minutes until homogeneous. Decant the mixture into a rotary drum mixer and add the aggregate component in stages, mixing for a minimum of 3 minutes until a uniform coloured, lump-free mix is obtained.

Liquid Mixture

Consumption

2.00 kg/m² per mm thickness

Film Thickness

10.0 – 60.0 mm dependent on repair requirements.

Application Temperature

15 – 25°C

Packaging *(Unit Sizes)*

28.2 kg

Colour

Grey

Shelf Life

12 months in original unopened containers, 6 months for aggregate / filler C component.

Storage

Dry conditions 10 – 25°C, avoid direct sunlight, protect from frost.

Working Time

15 mins @ 20°C

Overcoating Window

16 – 48 hours @ 20°C (some mechanical preparation maybe required)

Curing Schedule

Light traffic: 8 hours
Full chemical cure: 7 days

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.

Application

Apply by steel float directly into tacky **vebro** EP TC Primer in order to effect a smooth sealed surface. Depending upon the nature of the surface being treated, the use of laths and/or screeding bars may be necessary to ensure a level surface is maintained. Ensure that anchor grooves are fully wetted out with material.

Please note:

- Product should be protected from other trades using Kraft paper or similar breathable material e.g. Correx sheet. Polythene should not be used.
- Protect the installed floor finish from damp, condensation, and water for at least 24 hours at 20°C.
- Ensure that the ambient temperature remains above 10°C for at least 24 hours after installation.
- As with all aromatic based polyurethane products light colours exposed to UV light, **vebrocrete** Cove will be prone to cosmetic discolouration (yellowing of the surface), however this does not affect the physical or chemical resistance properties of the installed product.
- The substrate and uncured floor finish must be kept at a temperature at least 3°C above the dew point to reduce the risk of condensation or blooming on the surface.

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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