

vebrocrete PU Coating

vebrocrete PU Coating is a 3-component, solvent free, polyurethane wearing coat for use with **vebrocrete** flooring systems as a smooth or textured (matt) finish coating. Alternatively, **vebrocrete PU Coating** can be specified as a standalone wearing coat with a smooth matt finish or as a textured matt finish surface when used in combination with a suitable quartz sand broadcast, which can be specified with **vebrocrete PU Primer** on concrete or suitable SBR polymer modified or proprietary semi-dry screed substrates.

vebrocrete PU Coating is designed primarily for sealing **vebrocrete** Cove and other suitable **vebrocrete** systems such as **vebrocrete** SR or similar polyurethane resin systems. **vebrocrete PU Coating** is typically specified into food and drink preparation and processing areas, bunded areas, warehouses, and distribution centres, etc.

Substrate Preparation

On previously aggregate broadcast **vebrocrete** systems

Ensure the surface to be coated is integrally sound, clean, dry. Physically remove any loose aggregate broadcast quartz sand by brush or by vacuum.

vebrocrete cove

For previously applied **vebrocrete** coving ensure that the surface is integrally sound, clean, dry. If the over coating time of the **vebrocrete** cove is exceeded, lightly abrade sand the surface of the cove by hand or by mechanical means to leave an appropriately prepared fine textured surface.

On concrete or suitably approved SBR modified or proprietary semi dry screed

The concrete or proprietary cementitious or polymer modified / proprietary 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 30 N/mm² and a minimum pull-off strength of 1.5 N/mm². 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 / screed must be removed and repaired using recommended Vebro Polymers products.

Liquid Mixture

Consumption

0.25 – 0.50 kg/m² per coat

Film Thickness

0.15 – 0.35 mm

Application Temperature

10 – 25°C

(minimum temperature must remain above 10°C)

Packaging (Unit Sizes)

3.2 kg & 8.25 kg

Colour

Refer to Vebro Polymers' Colour Chart

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

10 mins @ 20°C

Foot Traffic

16 hours @ 20°C

Overcoating Window

12 – 48 hours @ 20°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.

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 part B container into the part 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 the filler component (Part 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.

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.

Apply by brush and short/medium piled roller at a minimum rate of 0.15kg/m². After a minimum of 12 hours and before a maximum of 48 hours, apply a second coat at the same coverage rate. Should a non-slip finish be required, then broadcast an appropriately size quartz or bauxite aggregate immediately after the first coat. Brush off or vacuum the cured broadcast surface to remove excess unbonded aggregate the following day, prior to applying the second coat.

Please note, care should be taken when applying the material that a wet edge is maintained and rolling onto partially cured material is suitably avoided, this can result in an uneven or inconsistent appearance and finish of the applied coating system.

Please note...

- Product should be protected from other trades using Kraft paper or similar breathable material. Polythene should not be used.
- Protect the installed floor coating 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.
- **vebrocrete PU Coating** is not UV stable, therefore discolouration as yellowing will occur under UV constant exposure.
- The substrate and uncured floor coating must be kept at a temperature of at least 3°C above the dew point to reduce the risk of condensation or blooming on the coatings 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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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.vebropolymers.com

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