

vebrocrete PU Coating (4-Pack)

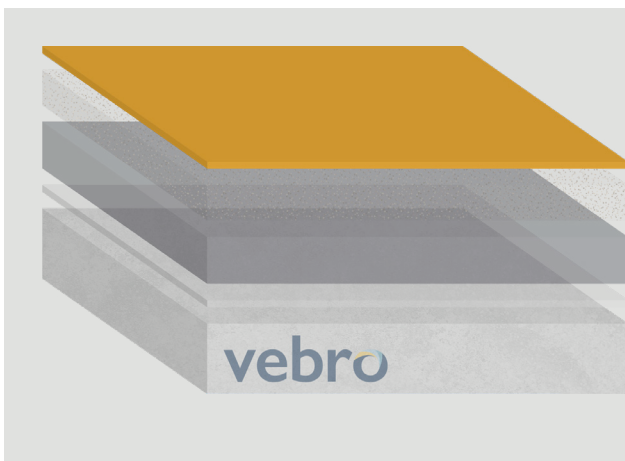
0.30 mm

vebrocrete Coating is a solvent free, polyurethane wearing / seal coat designed for use with **vebrocrete** flooring systems.

vebrocrete Coating is designed primarily for sealing **vebrocrete** Cove and suitable **vebrocrete** systems to create a seamless transition between the cove and floor.

vebrocrete Coating is also used to seal **vebrocrete** SR systems, where an anti-slip aggregate has been broadcast into an MF finish to deliver a textured profile. **vebrocrete** Coating can also be used to refresh aged **vebrocrete** RT surfaces.

vebrocrete Coating is used in industrial applications subject to exposure to chemicals and mechanical loading.



Component	Weight
vebrocrete Universal A	3.00 kg
vebrocrete Universal B	3.0 kg
vebrocrete Filler C #5	4.50 kg
vebrocrete Pigment Pack D	0.18 kg
Total Unit:	10.68 kg

Specific Gravity

1.50 g/cm³ @ 25°C

Working Time

~5 – 7 minutes @ 25°C (usable working life of material following mixing and immediate spreading as per the application instructions).

Coverage

The recommended coverage of **vebrocrete** PU Coating is 0.50 kg/m² – 1.0 kg/m².

These coverages are theoretical and may vary due to a number of factors including the condition of the substrate. A recommended 5% wastage addition is advised on all orders.

Overcoating Time

~12 – 24 hours @ 25°C (some mechanical preparation may be required).

Speed of Cure

- Light Foot Traffic – 12 hours
- Light Wheeled Traffic – 24 hours
- Heavy Duty Traffic – 48 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. Expected shelf life is 9 months in the closed original container.

HACCP Certification

vebrocrete systems have been HACCP International certified as food-safe for use in facilities operating a food safety management system based on HACCP principles. These systems are seamless, monolithic, impervious and non-porous, as such they do not support microbial growth.

Indoor Air Quality

vebrocrete systems have been independently certified as compliant with Deco Paint Guidelines (EU 2004/42/EG). This demonstrates the highest level of compliance in relation to product emissions. The maximum allowable VOC content for Product Category IIA j Type wb products (in the ready to use state) is: Stage II (from 2010) < 140 g/l VOC. In the ready to use state, this product contains less than 140 g/l VOC.

Colours



Slate Grey (RAL 7015)



Dusty Grey (RAL 7037)



Traffic Grey A (RAL 7042)



Green



Blue



Red



Yellow

Please note, the applied colours may differ from the examples shown. vebrocrete systems may exhibit a yellowing effect over time resulting from thermal, UV or chemical exposure. This will be more pronounced on light grey or blue shades, *Colours marked with an asterisk will incur an additional supplement.

Typical Properties

BS 8204-6 (FeRFA)	Type 3	
Temperature Resistance	Dependent on the system build-up. MF: up to 70°C, SR: up to 90°C	
Fire Resistance	EN 1350-1	B _f S1
Co-efficient of Thermal Expansion	ASTM C531	5.8 × 10 ⁻⁵ /°C
Slip Resistance	Dependent on the system build-up and grade of aggregate broadcast.	
Abrasion Resistance	EN 13892-4 BS 8204-2	AR 0.5 Special Class
Adhesion	EN ISO 4634	> 1.5 N/mm ²
Low Emissions	ISO 1600-3, 6, 9 and EN 16516	Compliant

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.

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.

Substrate Requirements

vebrocrete systems are 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 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.

Substrate Preparation

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.

Weak concrete / polymer modified screed must be removed and repaired using recommended Vebro Polymers' products. In order to ensure the installed system remains fully bonded to the substrate it is recommended that all terminating edges are rebated to produce a cross-section "anchor chase" of 5.0 mm deep by 5.0 mm wide, stepped out at 150.0 mm from and parallel with the walls i.e. day joints, movement joints, floor edges, door thresholds, upstands, plinths, etc.

Application Instructions

The following assumes the application of vebrocrete PU Coating as a sealer / topcoat over a vebrocrete system.

Mixing

The vebrocrete Universal A component should be poured into a clean suitably sized separate mixing container, the vebrocrete Pigment Pack D drained and mixed using a suitable slow speed electric mixer fitted with either a single or double mixing paddle until homogenous.

Don't forget!

You're using vebrocrete Filler C #5 in this mix!

The vebrocrete Filler C #5 aggregate component is then slowly added under constant mixing and mixed until fully dispersed. Finally, the contents of vebrocrete Universal B are added whilst mixing and until mixed a uniform free flowing consistency has been achieved

Application

Apply the mixed vebrocrete PU Coating screed by hard or soft rubber squeegee. .

Immediately roll the vebrocrete PU Coating with a short-piled microfiber roller in one direction. The ponding of material should be avoided. To finish roll again in one direction with the microfiber roller.

The drying time for seams is approximately 5 - 7 minutes (at 20°C and 50% rel. humidity – higher temperatures and higher humidity will shorten the drying time).

Ensure to maintain continuity of wet material between pours. For cleaning of tools and other contaminants use vebro Tool Cleaner.

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.

Application Notes

Please note...

- The installed floor 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 twenty-four hours after installation.
- As with all aromatic based polyurethane products light colours exposed to UV light, **vebrocrete** systems 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.

Cleaning & Maintenance

The cleaning and maintenance of **vebrocrete** systems must be considered a vital and integral part of an overall hygiene program covering all areas of the processing plant. Regular cleaning and maintenance will ensure that the floor maintains the performance profile listed below.

The method of cleaning and choice of cleaning equipment and / or agent should match the soil conditions and level of sanitation required.

All **vebrocrete** systems will withstand water wash down processes at continuous sanitising temperatures as well as fumigation. **vebrocrete** PU RT can be cleaned routinely by the direct application of a water-steam mix.

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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Product & Application Data Sheet [EN-AUS] | 09/09/24 | vebrocrete PU Coating (4-Pack)

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