

vebro EP WB (Matt) (2-Pack)

~0.10 mm

vebro EP WB (Matt) is a pigmented, water-based epoxy thin-film seal coating with good UV stability.

vebro EP WB (Matt) provides an impervious coating that is easily cleaned and offers excellent chemical resistance.

vebro EP WB (Matt) should be diluted with a **5 – 10% water addition** by weight of resin (combined Part A + Part B) prior to application.

vebro EP WB (Matt) is vapour permeable and recommended for environments subject to water condensation and high water pressure, or alternatively as a curing compound for newly laid concrete.

vebro EP WB (Matt) is also suitable for use in vertical applications, and is recommended as a wall coating in both pharmaceutical and food manufacturing / production facilities.



Component	Weight	
vebro EP WB (Matt) (Part A)	2.52 kg	1.26 kg
vebro EP WB (Matt) (Part B)	17.48 kg	8.74 kg
Total Unit:	20.0 kg	10.0 kg

Density

Mixed Unit: 1.16 kg / ltr

Part A: 1.15 kg / ltr

Part B: 1.25 kg / ltr

Unit Weight

20.0 kg (17.2 ltr)

10.0 kg (8.6 ltr)

Mix Ratio

A:B = ~0.92:1

Coverage

~100 sqm / 20.0 kg unit at the recommended consumption based on a two coat application.

HS Code

(Part A) 3907300080

(Part B) 3824999299

Consumption

The recommended consumption of **vebro EP WB (Matt)** is 0.10 – 0.15 kg/m² per coat*.

Working Time

~50 minutes @ 20°C (usable working life of material following mixing and immediate spreading as per the application instructions).

Overcoating Time

~24 hours @ 20°C (some mechanical preparation may be required if outside of this window).

Speed of Cure

- Light Foot Traffic – 6 – 12 hours
- Light Wheeled Traffic – 24 hours
- Heavy Duty Traffic – 72 hours
- Full Chemical Cure – 7 days

Storage

All components should be stored off the ground, in a cool dry area, away from direct sunlight between 10 – 25°..

Shelf Life

12 months when stored as described.

*These coverages are theoretical and may vary due to a number of factors including the condition of the substrate. It is the applicator's responsibility to ensure the substrate has been surveyed and tested. A recommended 5% wastage addition is advised on all orders.

Colours

water-based colours



Please note, the applied colours may differ from the examples shown. Epoxy materials 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 outside of our standard range may incur an additional supplement. The manufacture of epoxy flooring is a batch process and despite close manufacturing tolerances, minor variations in shade may occur between batches.

Application Temperature Range

~10 – 25°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. Do not proceed with application if atmospheric relative humidity is, or is anticipated to be >75% or if the surface temperature is <3 °C above the dew point.

Substrate Requirements

vebro EP WB (Matt) is suitable for application on cementitious substrates and suitable polymer modified screeds alongside newly laid concrete, block work, brick, steel, timber and laminate surfaces.

All substrates should be capable of bearing loads, free of cracks and voids as well as free from water ponding as well as laitance, dust and other contamination including dirt, oil, grease, coatings, and surface treatments.

vebro EP WB (Matt) can be used on newly laid fresh concrete as a curing compound. The water will remain in the concrete long enough to achieve the desired strength.

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

Substrates should be mechanically prepared using captive vacuum enclosed shot blasting or 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. Imperfections in the concrete (holes and cracks) should be filled using Vebro Polymers' epoxy patching compound.

Laminate Substrates

If newly laid, no surface preparation is required, however if the laminate has been in place for over 24 hours, a light sanding is required. 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.

Application Instructions

Mixing

The contents of the **vebro EP WB (Matt)**(Part A) should be mixed for approximately 2 – 3 minutes.

The contents of **vebro EP WB (Matt)**(Part B) should be drained into the **vebro EP WB (Matt)**(Part A) component and the two materials thoroughly mixed at speed of 500 rpm for two minutes.

Don't forget!

Dilute with 5 – 10% of clean water and mix again for a further 2 minutes!

The mixed liquid (including the water addition above) should then be poured into a clean suitably sized separate mixing container and mixed for a further 1 – 2 minutes.

Application

vebro EP WB (Matt) should be poured onto the surface in portions and applied over the entire area using a flat bladed rubber squeegee at a rate of 0.25 – 0.30 kg/m² on smooth surfaces and 0.40 – 0.60 kg/m² on textured surfaces before being back-rolled with a short pile napped roller using a cross-hatch motion. A two coat application is recommended.

The formation of puddles should be avoided.

In order to ensure a fast evaporation of the water out of the applied primer, the relative air humidity should not exceed 80% during application and curing. Ventilation may be required to achieve this.

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.

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.

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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



Manufactured by:	Vebro Polymers UK Limited, Argyle House, Stanley Green Trading Estate, Epsom Avenue, Handforth, Wilmslow, Cheshire, SK9 3RN, United Kingdom		
Harmonised Standard	EN 13813:2002 (System 4) Reaction to Fire Behaviour (System 3)		
Intended Use:	Synthetic resin screed materials for use internally in buildings and intended for wearing surfaces.		
Reaction to Fire	B _{fl} -s1	Release of Corrosive Substances	SR
Wear Resistance	AR0,5	Bond Strength	B2.0

for chemistry you can count on...

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