

vebro PU UV WB Seal (Matt)

vebro PU UV WB Seal (Matt) is a water based, pigmented, wear resistant, 2-component polyurethane sealer based on aliphatic chemistry with low environmentally friendly emissions. The product is colour stable and weather resistant and shows good chemical resistance against diluted acids and alkalis and many janitorial type disinfectants. Depending on the substance in contact with the flooring (wine or coffee etc. are also relevant) discolourations may occur, which will not reduce the mechanical and physical properties of the flooring (refer to the Vebro Polymers chemical resistance list).

vebro PU UV WB Seal (Matt) is used as a colour stable, pigmented matt finish sealer for tough hard coating systems with light to medium duty mechanical loadings, it is advised to apply a minimum of two coats for systems that are subject to specific staining based attack.

Substrate Preparation

The underlying resin-based substrate must be clean and free of dust and loose particles. All traces of surface contaminants such as oils, fats, greases, paint residues, chemicals, algae, and laitance should be suitably removed by mechanical means, and if necessary using a single disc rotary floor scrubbing appliance (STR 701 or similar and approved) fitted with a new grey PU-renovation pad or suitable scotch bright pad (red, tan or white).

Application Instructions

vebro PU UV WB Seal (Matt) is delivered in 2 component containers in the correct factory pre-filled stoichiometric ratios.

The A Component must be stirred for at least 1 – 2 minutes prior to mixing with the B Component. Whilst maintaining the stirring process of the A Component the entire contents of the B-component is emptied into the A component and the two components are mixed homogeneously together using a suitable slow speed drill fitted with a mixing paddle or whisk for at least 2 – 3 minutes.

Liquid Mixture

Consumption

0.09 – 0.13 kg/m²

Film Thickness

75 – 85 µm (per coat)

Application Temperature

15 – 25°C

(min 3°C above dewpoint)

Packaging (Unit Sizes)

12.5 kg (10.0 kg A + 2.5 kg B)

Colour

Refer to Vebro Polymers' Colour Chart

Shelf Life

12 months in original unopened container.

Storage

Dry at 10 – 25°C, avoid direct sunlight, protect from freezing.

Working Time

Approx. 45 minutes @ 20°C

Foot Traffic

After 18 hours at 20°C

Overcoating Window

18 – 36 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.

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

The mixed material should then be passed through a sieve when pouring into another container (using either a paint filter sieve with a mesh size of 0.6 – 1.0 mm, or with a household sieve with an inserted fly screen or similar synthetic fabric, mesh size <1.0 mm).

The re-potted sieved material should be mixed again briefly for a minimum of 1 minute, and the incorporation of entraining too much air should be avoided whilst re-stirring by keeping the mixing head fully immersed in the previously mixed and sieve material.

The processed **vebro** PU UV WB Seal (Matt) is then poured onto the clean, dry and if required appropriately prepared surface and evenly spread in one direction over the entire area with a short pile high quality microfiber roller (avoid using rollers containing loose fibres i.e. must be fluff free, multitool pile height about 6-8 mm, and homogeneously finished with a second roller in one direction). The formation of puddles must be subsequently avoided during application.

Please note, if working in an area with a large window or light source, start at that point and work away, using the light cast from behind to aid even and complete application.

For best results apply two coats; the first should be applied in one direction e.g. north to south and the second coat at 90° to the first e.g. east to west.

As with all water based sealers, it is important to avoid dry edges by always working with an open wet edge when applying fresh material into already applied wet material otherwise roller marks may be visible in the applied final finish.

Time between overlapping should not exceed 2 – 5 minutes. Open time for rolling fresh material into the already applied wet sealer without leaving any marks at ambient room temperature. The atmospheric relative humidity during the application and curing of the material should not exceed 75% RH to ensure a sufficiently fast evaporation of the water within the product occurs.

When applying water-based sealer type coatings, ensure that sufficient air flow is maintained. However strong drafts of air should be avoided.

Please note, inconsistent material consumption, too high atmospheric based air humidity and low substrate and air temperature can lead to visual differences (e.g. Gloss / Matt level differences).

Direct sunlight, high temperatures and low atmospheric humidity may cause rapid curing and should be avoided, otherwise this may lead to early skin formation development, or roller marks being visually evident in the cured product.

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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