

vebro PU ESD Seal (Matt)

vebro PU ESD Seal (Matt) is a water-based, conductive, pigmented, wear resistant, two component PU sealer based on high quality aliphatic PU resin. The product is colour stable, environmentally friendly, weather resistant and shows good chemical resistance against diluted acids and alkalis and many disinfectants.

vebro PU ESD Seal (Matt) is used as colour stable, pigmented, conductive matt sealer for tough hard and hard systems with light to medium mechanical loading.

Sensitive areas are recommended to get an extra film for protection for a higher degree of stain resistance and for easier cleaning of the floor.

Substrate Preparation

The substrate must be clean and free of dust and loose particles. All traces of contaminants such as, dust, oils, fats, greases, paint residues, chemicals, algae and laitance should be removed. The sealer is applied on hard-elastic type and hard Vebro Polymers Epoxy or Polyurethane coating systems. The sealer should be applied within the recoating interval of the previous layer.

Application Instructions

vebro PU ESD Seal (Matt) is delivered in 2 component containers in the pre-filled factory mixing ratios. The A-component must be stirred for at least 1–2 minutes. While maintaining the stirring process the entire content of the B-component is emptied into the A-component container and the two components are mixed until homogeneous by using a suitable electric stirrer (for at least 2 – 3 minutes). The material should be passed through a sieve when pouring into another container before processing (either with a paint filter sieve of 0.6 – 1.0 mm mesh size, or with a household sieve with inserted fly screen or similar fabric, mesh size, or with a household sieve with inserted fly screen or similar fabric, mesh size <1.0 mm).

Mix again briefly after re-potting the material. The incorporation of too much air entrainment should be avoided.

vebro PU ESD Seal (Matt) is poured onto the surface and evenly spread in one direction over the entire area with a roller. Then it is spread with a wide short-piled micro-fibre roller and homogeneously finished with a second roller in one direction. The formation of puddles should be avoided.

Liquid Mixture

Consumption

0.14 – 0.18 kg/m²

Film Thickness

75 – 80 µm

Application Temperature

15 – 25°C

(min. 3°C above dew point)

Packaging (Unit Sizes)

16.5 kg (14 kg A + 2.5 kg B)

Colour

Refer to Vebro Polymers' Colour Chart

Shelf Life

3 months in closed original container

Storage

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

Working Time

45 minutes @ 20°C

Foot Traffic

18 hours @ 20°C

Overcoating Window

18 – 24 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

As with all water-based sealers, it is important to avoid dry edges by always working wet in wet when rolling fresh material into applied wet sealer otherwise roller marks will be visible in the final finish. Time between the overlapping should not exceed 2 – 5 minutes. The open time for rolling fresh material into the applied wet sealer without leaving any marks is 3 – 5 minutes at ambient room temperature (18 – 23°C).

The relative humidity during processing and during the curing time should not exceed 75% RH to ensure a sufficiently fast evaporation of the water. It is important to ensure that connections between two pouring steps of material do not dry up as they will otherwise be visible.

When applying water-based coating systems, ensure sufficient air flow. However, strong drafts of air should be avoided. Different material consumption, too high air humidity and low temperatures can lead to visual impairments (gloss level differences).

Direct sunlight, high temperatures and low humidity cause rapid curing and should be avoided as otherwise it may lead to skin formation, or visible roller marks.

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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