

vebro UR ESD Seal

(Clear Gloss)

vebro UR ESD Seal (Clear Gloss) is an environmentally friendly, solvent free, low temperature, antistatic and fast curing 2-component clear polyurea seal coat based on polyurea resin technology.

In the cured state, **vebro** UR ESD Seal (Clear Gloss) has a very good abrasion resistance, excellent weathering and UV stability, is characterized by the properties of a tough-hard durable surface, and has good resistance to diluted acids and alkalis, fuels, and lubricants. Exposure to chemicals may lead to optical discoloration that will not necessarily affect the technical usability or mechanical strength properties of the floor coating.

Used as UV- and colour-stable, transparent seal coat for coating systems broadcasted with conductive (ESD) coloured quartz sand based on polyurethane or epoxy resin.

vebro UR ESD Seal (Clear Gloss) cures with a glossy transparent clear finish.

Substrate Preparation

The substrate must be clean and free of dust and loose particles. All traces of contaminants such as oils, fats, greases, paint residues, chemicals, algae and laitance must be removed.

vebro UR ESD Seal is applied on **vebro** EP ESD Quartz Binder / wear coat surfaces broadcasted with conductive **vebro** ESD Coloured Quartz Blends coloured quartz sand, as part of the **vebro**static ESD Quartz (Conductive) system.

vebro UR ESD Seal (Clear Gloss) can be applied after the waiting time for overcoating mentioned in the specific product data sheet of the previous layer is over.

Application Instructions

The product is supplied in factory filled batched quantities in 2-component containers.

Liquid Mixture

Consumption

0.40 – 0.50 kg/m²

Film Thickness

300 – 350 µm

Application Temperature

5 – 30°C

(min. 3°C above dew point)

Packaging (Unit Sizes)

18.0 kg (12.0 kg A + 6.0 kg B)

Colour

Clear (as transparent)

Shelf Life

12 months in original closed container at 20°C

Storage

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

Working Time

20 minutes (approx.)

For wet edge overlapping
10 minutes @ 20°C

Foot Traffic

After 6 – 8 hours (depending on film thickness) @ 20°C

Overcoating Window

10 – 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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The B component must be completely emptied into the A component (stir component A previously before adding into A Component). Both components should be mixed homogeneously with a suitable electric stirrer (slow speed drill and paddle) for at least 2 – 3 minutes and then the mixture should be poured in another container and mixed again for about 1 minute. The mixing in of air entrainment should be avoided.

We recommend the application by equal batch numbers. The mixed **vebro** UR ESD Seal (Clear Gloss) is poured onto the surface to be sealed and spread evenly over the surface with a hard rubber squeegee, metal trowel or smoothing rake.

Formation of puddles and scratch marks must be avoided.

Warning, do not roll with roller! As this will reduce the conductivity of the system and applied sealer coat.

The working / application time at 20°C and 50% relative air humidity is at room temperature at max. 3 – 5 minutes. Higher temperatures and higher humidity shorten the working / application time.

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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