

vebro EP ESD SL (Dissipative)

vebro EP ESD SL (Dissipative) is a pigmented, conductive low emission, ready to-use, anti-static solvent-free, 2-component coating compound of high-grade epoxy resin, used as an electrostatically dissipative conductive, low emission surface coating for industrial floors with high demands in terms of dissipation of electrostatic charges.

vebro EP ESD SL (Dissipative) is used in industrial flooring applications where there is a requirement for the dissipation of electrostatic charge build up in accordance the DIN EN 61340-5-1 standard, as well static charge protection from touch voltage build-up.

In addition, **vebro** EP ESD SL (Dissipative) is easy to clean and exhibits a good level of resistance to fuels, lubricants, most solvents, and many other chemicals.

Areas of application include clean rooms, electronic production areas, microelectronic assembly rooms, computer chip manufacturing, measuring instrument manufacturing, electronic test laboratories and other sensitive areas where electrostatically dissipative standards are required.

Substrate Preparation

By enclosed captive shot blasting or vacuum assisted diamond grinding. Finish edges with hand tools to the same standard. Remove all residues to leave a dry and dust free open textured surface.

Application Instructions

The product is delivered in ready-to-use 2-component containers in the exact mixing ratio. The A-component must be stirred for at least 2–3 minutes. Then the entire content of the B-component is emptied into the A-component container and the two components are mixed until homogeneous using a suitable electric stirrer (for at least 2–3 minutes). The inclusion of air in the mixing process is to be avoided.

The mixture is poured into another container and briefly stirred again. We recommend the application by equal batch numbers.

Liquid Mixture

Consumption
1.20 – 2.50 kg/m²

Film Thickness
1.0 – 2.0 mm

Application Temperature
10 – 30°C
(min. 3°C above dewpoint)

Packaging (Unit Sizes)
25.0 kg (21.0 kg A + 4.0 kg B)

Colour
Refer to Vebro Polymers' Colour Chart

Shelf Life
2 years (24 months) in original unopened containers.

Storage
Dry at 10 – 25°C, avoid direct sunlight.

Working Time
15 – 20 minutes @ 20°C

Foot Traffic
After 24 hours @ 20°C

Overcoating Window
12 – 24 hours (maximum) @ 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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vebro EP ESD SL is poured onto the surface and spread over the entire area using a serrated trowel or suitable squeegee (e.g. tooth size no. 25) (layer thickness control). The fluid coating must be rolled with a spiked roller, as required. The applicator(s) are required to wear spiked shoes to walk on the still wet coating.

No handling of silicon containing substances or other products interfering with the reaction in the application area before and during application until the curing of the liquid resin.

The surface must be protected from moisture / water exposure for 7 days after application at a minimum temperature of 20 °C.

Prior to application of the **vebro** EP ESD SL Dissipative coating, the **vebro** EP ESD Primer as the conductive primer layer must be suitably measured using an approved measuring device (e.g. Megameter).

Overcoating

It is not necessary to abrade the surface of the **vebro** EP ESD SL (Dissipative) coating if the following coat / layer is applied within 24 hours, after 24 hours, the overcoating application can only proceed after light grinding or rotary sanding of the cured surface.

Cleaning & Maintenance

For the first two weeks it is recommended to clean the floor surface with a dry dust mop, and for the two-week period proceeding with a damp mop.

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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