vebro polymers

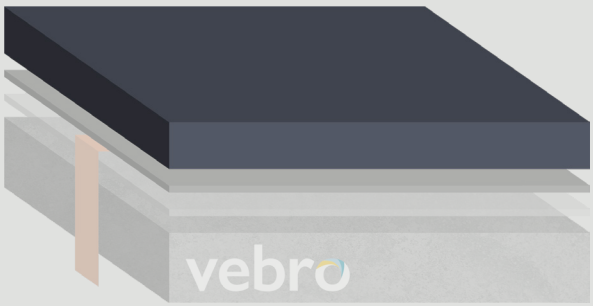
vebro EP ESD WB SL (Conductive) (2-Pack)

1.0 – 2.0 mm

vebro EP ESD WB SL (Conductive) is a pigmented, water-based, static conductive, self-smoothing epoxy floor coating system, designed to safely ground electrostatic discharge when used in an ESD control flooring system.

vebro EP ESD WB SL (Conductive) is typically applied in both fire protection areas and explosion proof zones subject to increased humidity.

vebro EP ESD WB SL (Conductive) can be used as a wearing coat, however for added protection, or in applications where conductag has been used to deliver an anti-slip finish, a seal coat of **vebro** EP ESD HBC (Conductive) is recommended.



Component	Weight
vebro EP ESD WB SL (Conductive) (Part A)	28.6 kg
vebro EP ESD WB SL (Conductive) (Part B)	3.4 kg
Total Unit:	**32.0 kg**

Specific Gravity

1.74 g/cm^3 @ 25°C

Viscosity

3,500 – 4,500 mPas

Resistance to Earth

EN 1081 <10^6 Ω, EN 61340-4-1 < 10^9 Ω

Working Time

~20 – 25 minutes @ 25°C (usable working life of material following mixing and immediate spreading as per the application instructions).

Coverage

The recommended coverage of **vebro** EP ESD WB SL (Conductive) is 1.50 – 1.80 kg/m^2.

The primed surface must receive **vebro** EP ESD Primer and a grounding copper grid network installed prior to installation.

These coverages are theoretical and may vary due to a number of factors including the condition of the substrate. A recommended 5% wastage addition is advised on all orders.

Overcoating Time

~24 hours @ 25°C (some mechanical preparation may be required).

Speed of Cure

- Light Foot Traffic – 18 hours
- Light Wheeled Traffic – 24 hours
- Heavy Duty Traffic – 72 hours
- Full Chemical Cure – 7 days

vebro EP ESD WB SL (Conductive) (2-Pack)

FeRFA THE RESIN FLOORING ASSOCIATION

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

Colours

Light Grey (RAL 7035)


Window Grey (RAL 7040)


Dusty Grey (RAL 7037)


Iron Grey (RAL 7011)


Liht Pink (RAL 3015)


Grass Green (RAL 6010)


Oxide Red (RAL 3009)


Traffic Blue (RAL 5017)

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.

Storage

All components should be stored off the ground, in a cool dry area, away from direct sunlight between 10 – 30°C.

Application Temperature Range

~10 – 30°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.

Substrate Requirements

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

The substrate should be sound with a minimum compressive strength of 25 N/mm^2 and a minimum tensile strength (pull-off) of 1.5 N/mm^2. The concrete substrate must be a minimum of 28 days old and the residual moisture content must be a maximum of 4% CM.

Where the concrete substrate is in contact with the ground, an effective damp proof membrane should have been incorporated into the slab design.

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.

Application Instructions

Priming

vebro EP Universal Primer is recommended. 1-coat standard primer, 2-coat DPM. See **vebro** EP Universal Primer datasheet for more details

To improve inter-coat adhesion, broadcast **vebro** Natural Quartz (0.2 – 0.5 mm) while the primer is still wet.

Allow to cure before applying the **vebro** EP ESD Primer. For details of other specialist primers contact Vebro Polymers' Technical Department.

Mixing

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

The contents of **vebro** EP ESD WB SL (Conductive) (Part B) should be drained into the **vebro** EP ESD WB SL (Conductive) (Part A) component and the two materials thoroughly mixed at speed of 350 rpm for two minutes

The mixed liquid should then be poured into a clean suitably sized separate mixing container and mixed for a further 1 – 2 minutes.

Application

vebro EP ESD WB SL (Conductive) should be poured onto the surface and spread over the entire area using a notched squeegee at a rate of 1.50 – 1.80 kg/m^2 before being back-rolled with a spike roller to a self-smoothing gloss finish.

vebro EP ESD WB SL (Conductive) (2-Pack)

FeRFA THE RESIN FLOORING ASSOCIATION | CE EN 13813 SR-B2, 0-AR0,5-IR20

Don't forget!

Applicator crew members should wear spiked shoes to walk on the coating while still wet!

Broadcast with **vebro** Natural Quartz (0.7 – 1.2 mm) while the SL coating is still wet if seeking a slip-resistant textured finish. Once cured, seal the anti-slip profile with one to two coats of **vebro** EP HBC.

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.

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.

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

No. 6, Jalan Eco Perindustrian 1/5B, Eco Perindustrian 5, 42300 Bandar Puncak Alam, Selangor Darul Ehsan, Malaysia

w: vebropolymers.com | e: asia@vebropolymers.com | t: +60 3 5871 2968