vebro polymers

low emission AgBB

vebrostatic PU ESD SL (Conductive)

1.0 – 3.0 mm

vebrostatic PU ESD SL (Conductive) is a flexible, pigmented, solvent–free, polyurethane flooring system, designed to dispel electrostatic discharge in areas subject to high abrasion and wear.

vebrostatic PU ESD SL (Conductive) offers static crack-bridging properties and is best suited to repetitive process lines and mezzanine levels.

Benefits

- Meets EN 1081, EN 61340-4-1
- Prevents fire and explosion risk from electrostatic charge
- Excellent resistance to fuels, lubricants, solvents and other chemicals
- Static crack bridging properties for use on mezzanine levels

Applications

- ✓ Process Lines
- ✓ Highly Sensitive Dry Processing Industrial Areas
- ✓ Flammable Solvent Stores
- ✓ Chemical Plants
- ✓ Hospitals & Operating Theatres
- ✓ Laboratories & Clean Rooms
- ✓ Mezzanine Levels

1 Primer

vebro EP Primer
0.30 kg/m²

2 Copper Tape

Self-adhesive copper tape

3 Conductive Primer

vebro EP ESD Primer
0.08 – 0.12 kg/m²

4 Coating

vebro PU ESD SL (Conductive)
0.85 kg/m² per 1.0 mm

5 Seal Coat (Optional)

vebro PU ESD Seal (Matt)
0.13 kg/m²

Light Grey RAL 7035 | Agate Grey RAL 7038 | Dusty Grey RAL 7037 | Concrete Grey RAL 7023 | Graphite Grey RAL 7024

Beige RAL 1001

Please note; the applied colours may differ from the examples shown. Special colours will incur an additional supplement.
To discuss colour cards and samples, please contact our Technical Services team – technical@**vebro**polymers.com

vebrostatic PU ESD SL (Conductive)

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

Technical Profile

Performance Criteria		
Fire Resistance	EN 13501-1	B_{fl}-S1
Resistance to Earth	EN 1081	≤ 10^6 Ω
	EN 61340-4-1	≤ 10^9 Ω (Rg) < 3.5 x 10^7 Ω (Rs)
Compressive Strength	EN 196 / ASTM C 109	~ 55 N/mm²
Flexural Strength	EN 196 / ASTM C 109	~ 59 N/mm²
Wear Resistance	EN ISO 5470-1	≤50 mg / 1000 cycles (Taber Abrader CS10 wheel)
Shore D Hardness	EN ISO 868	D 65
Chemical Resistance	Resistant to a very wide range of chemicals. For a full chemical resistance breakdown contact our Technical Services team.	
Working Time	approx. 25 – 35 minutes	
Storage	Keep at an ambient 10 – 25°C temperature in dry, frost-free conditions	
Shelf Life	24 months in unopened original packaging	
Speed of Cure (at 20°C)	Light Foot Traffic – 24 hours	Heavy Duty Traffic – 3 days
	Light Wheeled Traffic – 48 hours	Full Chemical Cure – 5 days

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. The slip resistance figures given above are affected by application techniques and prevailing site conditions. Slip resistance can reduce over time due to poor maintenance, general wear or surface contaminants. Good housekeeping practices should be observed.

Installation of Vebro Polymers' products should be carried out by an applicator with documented quality assurance and experience.

All consumptions listed are calculated using Vebro Polymers' approved quartz sands and fillers, the use of other third party material may cause changes to both the consumptions listed and the system's technical performance. Detailed application instructions and advice can be provided on request through our Technical Services team

vebrostatic systems are suitable for application on concrete substrates exhibiting a minimum strength of 25 N/mm². The substrate should be capable of bearing loads, free of cracks and voids as well as free from laitance, dust and other contamination according to the appropriate standards.

The substrate must be dry to 75% RH in line with BS 8203 and free from rising damp and ground water. A damp proof membrane can be used for substrates up to 100% RH (surface dry).

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 – technical@**vebro**polymers.com

All data values and suggested practises listed on system data sheets are approx..imate and for representation purposes only. In all instances, prior to installation a project–specific specification and / or professional advice should be sought.

Vebro Polymers accepts no responsibility for liability claims based on the suggested practises and data values listed on system data sheets. System 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

for chemistry you can count on…

The Court, Kestrel Road, Trafford Park, Stretford, Manchester M17 1SF

w: vebropolymers.com | e: hello@vebropolymers.com | t: +44 (0) 1618 738 396