

## vebrostatic ESD Quartz (Conductive)

4.0 mm

**vebrostatic ESD Quartz (Conductive)** is a decorative, quartz-based, epoxy flooring system, designed to immediately dispel electrostatic discharge in highly sensitive areas.

**vebrostatic ESD Quartz (Conductive)** is used in areas subject to fire and explosion risk, including flammable solvent stores.



### 1 Primer

**vebro EP Primer**  
0.30 kg/m<sup>2</sup>

### 2 Copper Tape

Self-adhesive copper tape

### 3 Conductive Primer

**vebro EP ESD Primer**  
0.18 kg/m<sup>2</sup>

### 4 Binder

**vebro EP ESD Quartz Binder** at 0.60 kg/m<sup>2</sup> mixed with **vebro Quartz Filler 0** and **Quartz Filler 2** at 0.36 kg/m<sup>2</sup>





### 5 Quartz Broadcast

**vebro EP ESD Coloured Quartz Blends**  
2.50 kg/m<sup>2</sup>

### 6 Seal Coat

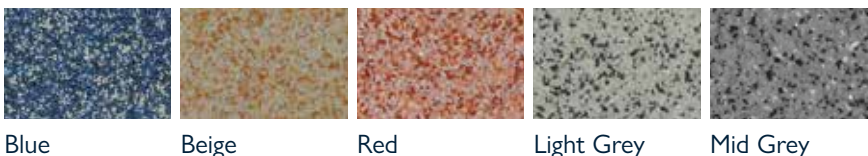
**vebro UR ESD Seal (Clear Gloss)**  
0.45 kg/m<sup>2</sup>

### Benefits

-  Meets EN 1081, EN 61340-5-1;  $5 \times 10^4 - 1 \times 10^9 \Omega$
-  Prevents fire and explosion risk from electrostatic charge
-  Excellent resistance to fuels, lubricants, solvents and other chemicals
-  Easy to clean, non-tainting and non-dusting finish

### Applications

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



**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](mailto:technical@vebro polymers.com)

## Technical Profile

Performance Criteria		
<b>Fire Resistance</b>	EN 13501-1	B <sub>f</sub> -S1
<b>Resistance to Earth</b>	EN 1081	10 <sup>4</sup> – 10 <sup>6</sup> Ω
	EN 61340-4-1	≤ 10 <sup>9</sup> Ω (Rg) < 3.5 × 10 <sup>7</sup> Ω (Rs)
	EN 61340-4-5	< 100 Volt (Body Voltage)
<b>Compressive Strength</b>	EN 196 / ASTM C 109	~78 N/mm <sup>2</sup>
<b>Flexural Strength</b>	EN 196 / ASTM C 109	40 N/mm <sup>2</sup>
<b>Wear Resistance</b>	EN ISO 5470-1	≤ 60 mg/1000 cycles (Taber Abrader CS10 wheel)
<b>Shore D Hardness</b>	EN ISO 868	80 D
<b>Chemical Resistance</b>	Resistant to a very wide range of chemicals. For a full chemical resistance breakdown contact our Technical Services team.	
<b>Working Time</b>	approx. 20 – 25 minutes	
<b>Storage</b>	Keep at an ambient 10 – 25°C temperature in dry, frost-free conditions	
<b>Shelf Life</b>	24 months in unopened original packaging	
<b>Speed of Cure (at 20°C)</b>	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/mm<sup>2</sup>. 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@vebropolymers.com](mailto:technical@vebropolymers.com)

All data values and suggested practises listed on system data sheets are approximate 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.vebropolymers.com](http://www.vebropolymers.com)

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