

Flowseal ESD Conductive



Description

Flowseal ESD Conductive is a conductive, hygienic, water-based epoxy floor coating in coloured satin finish. Complies with BS2050, ANSI/ESDS2020 (ANSI/ESD S7.1 and ANSI/ESDSTM 97.1), ASTM F150 Conductive, IEC 61340-4-1 and IEC 61340-4-5 requirements.

Uses

Flowseal ESD Conductive is suitable for use in laboratories, cleanrooms, equipment testing areas, warehouses, electronic, aerospace, automotive, printing and pharmaceutical plants subject to pedestrian and light traffic.

Benefits

- Meets BS2050, A NSI/ESDS2020 (A NSI/ESD S7.1 and A NSI/ESDSTM 97.1), ASTM F150 Conductive, IEC 61340-4-1 and IEC 61340-4-5 requirements
- Hygienic
- Enhances appearance of working environment
- Solvent free
- Low odour
- Easy to clean and maintain

Project References

Available on request.

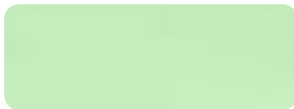
Standard Colour Chart



Steel Blue



Mid Blue



Light Green



Dark Green



Chilli Red



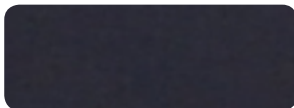
Yellow



Light Grey

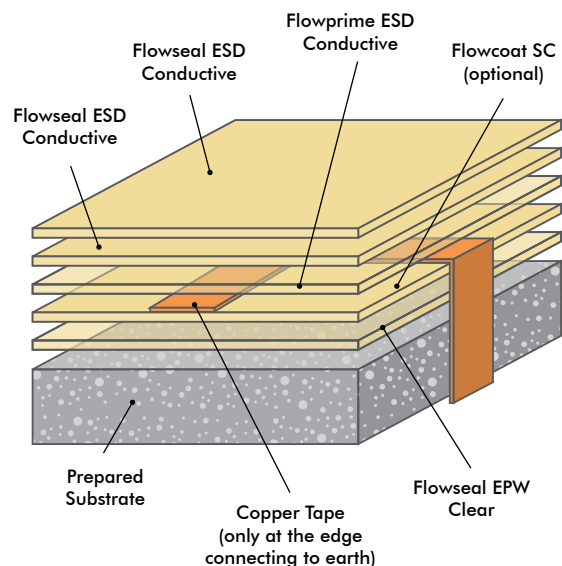


Steel Grey



Charcoal

System Design



Model Specification

Product: Flowseal ESD Conductive System
Finish: Satin
Thickness: Dependant on specification
Colour: _____
Preparatory work and application in accordance with suppliers instructions.
Manufacturer: Flowcrete Middle East FZCO
Telephone : Customer Service +971 4 886 4728

Substrate Requirements

Concrete or screed substrate should be a minimum of 25N/mm², free from laitance, dust and other contamination. The substrate should be dry up to 75% RH as per BS8204 and free from rising damp and ground water pressure.

Products Included in this System

Flowseal EPW Clear
Flowcoat SC (optional)
Flowprime ESD Conductive
Flowseal ESD Conductive

For actual coverage rates, refer to the appropriate project specification.

Detailed application instructions are available upon request.

Installation Service

The installation should be carried out by a Flowcrete approved applicator with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our website at www.flowcrete.ae

Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs, maintenance and cleaning. Environmental and health considerations are controlled during the manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

Focus on the Floorzone

Flowcrete Middle East FZCO is a division of the Flowcrete Group, world leaders in specialist industrial and commercial flooring. Systems available include: underfloor heating systems, floor screeds, surface damp proof membranes, decorative floor finishes, seamless terrazzo, car park deck waterproofing and corrosion protection systems... to name just a few. Our corporate objective is to satisfy your flooring needs.

Technical Information

The figures that follow are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity.

Fire Resistance	BS476:Part 7: 1987 Surface spread of flame: Class 1
Slip Resistance	TRRL Pendulum Slip Test Dry >40 Wet depends on specification
Temperature Resistance	Tolerant up to 70°C
Chemical Resistance	Contact Technical Department
Abrasion Resistance	Taber Abrader: 0.15g loss per 1000 cycles (1 kg load using CS10 wheels)
Electrical Resistance	2.5x10 ⁴ to 1x10 ⁶ Ohms (ASTM F150) 5.0x10 ⁴ to 1x10 ⁸ Ohms (BS2050)
Bond Strength	Greater than cohesive strength of 25 N/mm ² concrete. >1.5 MPa.
Body Voltage Generation (BVG)	<100V (IEC 61340-4-5 and ANSI/ESD STM 97.1/97.2)

Speed of Cure (per layer)

	10°C	20°C	30°C
Light Traffic	24 hrs	15 hrs	10 hrs
Full traffic	36 hrs	24 hrs	18 hrs
Full chemical cure	14 days	7 days	6 days

Low relative humidity and good ventilation are pre-requisites to achieving the above drying times.

Aftercare - Cleaning and Maintenance

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent.

Important Note

Flowcrete's products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request.

Further Information

To ensure you are specifying a fit for purpose flooring for your project please consult our Technical Advisors on the number below or visit our website to register your interest in specifying one of the most durable floors on the market.