

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

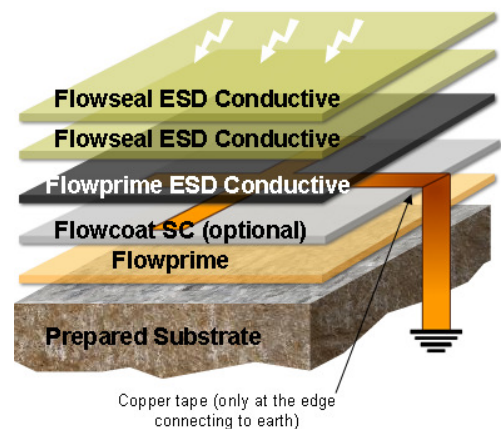
- Meets BS2050, ANSI/ESDS2020 (ANSI/ESD S7.1 and ANSI/ESDSTM 97.1), ASTM F150 Conductive, IEC 61340-4-1 and IEC 61340-4-5 requirements
- Hygienic
- Enhances appearance of working environment
- Solvent free
- Low odour
- Easy to clean and maintain

Standard Colour Chart



The applied colours are slightly darker than the examples shown above due to the inclusion of antistatic additives.
Contact our customer services for a true colour sample or a special colour match.

System Design



Model Specification

Product: Flowseal ESD Conductive system
Conductive Finish: Satin
Thickness: Dependant on specification
Colour: _____
Manufacturer: Flowcrete India Pvt. Ltd.
Telephone: Customer Service - +91 44 4202 9831
Preparatory work and application in accordance with manufacturer's instructions.

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 upto 75% RH as per BS8204 and free from rising damp and ground water pressure.

Products Included in this System

Flowprime
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 web site at www.flowcrete.in.

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 India Private Limited 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
Class 1 Surface spread of flame.

Slip Resistance TRRL Pendulum Slip Test
Dry >40, Wet depends on specification

Textured systems are recommended to meet slip resistance value requirements for wet conditions and/or surface contaminants (wet or dry) - please contact our Technical Advisors for further details and specifications.

Temperature Resistance **Tolerant up to 70 °C**

Chemical Resistance Contact Technical Department

Abrasion Resistance Taber Abrader:
0.15g loss per 1000 cycles
(1kg load using CS10 wheels)

Electrical Resistance **2.5x10⁴ to 1x10⁶ Ohms** (ASTM F150)
5.0x10⁴ to 1x10⁸ Ohms (BS2050)

Bond Strength Greater than cohesive strength
of 25N/mm² concrete. **>1.5 MPa.**

Body Voltage Generation (BVG) **<100V** (IEC 61340-4-5 and
ANSI/ESD STM 97.1/97.2)

Speed of Cure

	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	14days	7days	6days

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.