

## Flowshield ESD

### Anti Static Self-Levelling



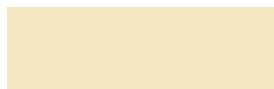
#### Standard Colour Chart



Light Stone



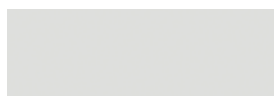
Molluca



Cream



Beige



Light Grey



Mid Grey



Tile Red



Forest Green

#### Description

A four component, easy to apply, solvent free resin based floor topping laid at 2 mm. It is especially formulated as part of an electrostatic dissipative flooring system.

#### Uses

To provide a hard - wearing, seamless, antistatic floor with an electrical resistance in the range 5x10 (4) – 10(8) ohms.

#### Benefits

- Meets BS2050 antistatic requirements.
- Seamless and hygienic finish, no crevices where dirt and bacteria can dwell.
- Attractive, light reflectant appearance.
- High abrasion resistance.
- Solvent free, low odour.
- Fast installation.

#### Project References

Lever Ponds, Sasol, Siemens, Somchem.

#### Model Specification

Product: Flowshield ESD  
Finish: Gloss  
Thickness: 2 mm  
Colour: Available in a range of standard

- Mid Grey
- Light Grey
- Tile Red
- Forest Green
- Blue
- Buff

Preparatory work and application in accordance with supplier's instructions.

The applied colours will differ slightly from the examples shown above, due to printing variations.  
Contact our customer services for a true colour sample or a special colour match.

### Substrate Requirements

Concrete or screed substrate should be a minimum of 25N/mm<sup>2</sup>, free from laitance, dust and other contamination. The substrate should be dry to 75% RH as per BS8204 and free from rising damp and ground water pressure. If no damp proof membrane is present Flowcem DPM can be incorporated directly beneath the Flowcoat system.

### Products Required in this System

Flowprime + Copper tape + AS Primer + Flowshield ESD

Detailed application instructions are available upon request.

### Installation Service

The installation should be carried out by a Flowcrete approved contractor with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our web site [www.flowcrete.com](http://www.flowcrete.com).

### 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 manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

### Focus on the Floor-zone

Flowcrete Group plc are 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, tank lining systems... to name just a few. Our objective is to satisfy your Floorzone needs.

### Important Note

Flowcrete's products are guaranteed against defective materials and the finished product.

### 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 Surface spread of flame-class 2 (indicative) |
| Slip Resistance:      | Dry 80 Wet 14 (BS7976-2)                                  |
| Thermal Resistance:   | Tolerant of sustained temp of 50 °C                       |
| Water Permeability:   | Nil   |
| Surface Hardness:     | Shore D 80  |
| Chemical Resistance:  | Consult technical dept                                    |
| Abrasion Resistance:  | Abrasion test as per BS8204                               |
| Compressive Strength: | >70 N/mm <sup>2</sup>                                     |
| Flexural Strength:    | >40 N/mm <sup>2</sup>                                     |
| Tensile Strength:     | >25 N/mm <sup>2</sup>                                     |
| Bond Strength:        | >Cohesive strength of concrete                            |

### Speed of Cure

|                    | 10°C   | 20°C   | 30°C   |
|--------------------|--------|--------|--------|
| Light traffic      | 36 hrs | 18 hrs | 16 hrs |
| Full traffic       | 36 hrs | 48 hrs | 24 hrs |
| Full chemical cure | 7 days | 7 days | 5 days |

### Aftercare - Cleaning and Maintenance

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

### 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.

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