

Flowshield ESD SL (2mm)



Standard Colour Chart



Steel Blue



Mid Blue



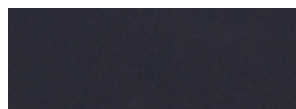
Tile Red



Dark Green



Steel Grey



Charcoal

The applied colours are slightly darker than the examples shown above due to the inclusion of antistatic additives.

The applied colours may differ slightly from the examples shown above.

Contact our customer services for a true colour sample or a special colour match.

Description

Anti-static, hard-wearing, self-smoothing resin floor finish. Complies with BS2050.

Uses

To provide a hard-wearing, seamless, anti-static floor compliant with BS2050.

Used in dry process areas where the floor is subjected to medium to heavy-duty foot, trolley, pallet truck and rubber wheeled forklift traffic. Typical uses include laboratories, clean rooms, equipment testing areas, warehouses and electronic, aerospace, automotive and printing plants.

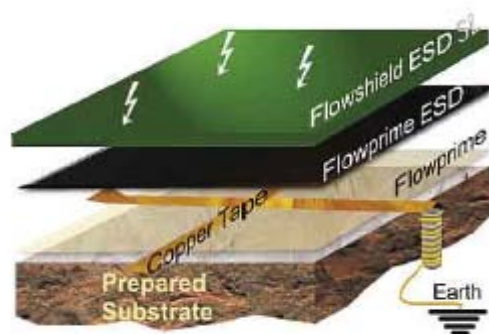
Benefits

- Attractive, enhances work environment
- Meets BS2050 anti-static requirements
- Hygienic – easy to clean
- Non-tainting, non-dusting
- Hard-wearing floor finish
- Abrasion Resistant

Project References

Available on request.

System Design



Model Specification

Product: Flowshield ESD SL system

Finish: Gloss

Thickness: 2mm

Colour: _____

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

Manufacturer: Flowcrete Australia Pty Ltd

Telephone: Customer Service - +61 7 3205 7115

The installation should be carried out by a Flowcrete approved applicator.

Products Included in this System

Primer: 1st Coat Flowprime @ 0.25kg/m²

2nd Coat Flowprime @ 0.25kg/m²

(porous surface only)

Anti-static Primer: Flowprime ESD @ 0.12kg/m²

Test electrical resistance when primer cured

Conductive Grid of 12mm wide Copper Tape.

Topping: Flowshield ESD SL (density 1.7kg/l) @ 3.4kg/m²

Focus on the Floorzone

Flowcrete Australia Pty Ltd 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.

Flooring Design Service

Special corporate colours and designs can be produced to special order.

Coving

Coving forms an integral part of the flooring system. It creates a sealed finish between the floor and wall joint. Please refer to Flowtex F1 Coving Mortar for further information.

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.flowcreteaustralia.com.au.

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

Conductive Tape

A network of 12mm wide, self-adhesive, conductive copper tape is always recommended in combination with any Flowcrete anti-static flooring system. The copper tape must be applied directly onto the cured Flowprime, maximum 1mtr in from the perimeter of the application. Further strips of tape should be applied within this area every 3 metres. Special attention should be paid to tape areas passing over expansion or bay joints to ensure

permanent electrical continuity. The applied tape should be secure and fully bonded to a confirmed earth point.

System Performance Guide

The table below shows how well the system complies with different characteristics.

A scale of 1-5 where 5 is the best value.

5 Excellent, 4 Very Good, 3 Good (Pass), 2 Fair, 1 Poor

Fire Safety	4	Impermeability	5
Slip Resistance	1	Cleanability	5
Impact Resistance	4	Wear Resistance	4
Thermal Resistance	3	Chemical Resistance	4
Heavy Traffic	5	Scratch Resistance	3

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	TRRL Pendulum Slip Test Dry 110 (depending on specification)
Temperature Resistance	Softens over 60 °C
Water Permeability	Nil – Karsten Test (impermeable)
Vapour Permeability	4 gms / m ² / mm / 24 hours
Surface Hardness	180 secs. Koenig Hardness Test
Chemical Resistance	Contact Technical Department
Abrasion Resistance	Taber Abrader: 50mg loss per 1000 cycles (1kg load using H17 wheels) BS8204: Part 2: Class AR2
Compressive Strength	60 N/mm ² (BS6319)
Flexural Strength	40 N/mm ² (BS6319)
Tensile Strength	25 N/mm ² (BS6319)
Bond Strength	Greater than cohesive strength of 25N/mm ² concrete. >1.5 MPa.
Electrical Resistance	5.x10 ⁴ to 1x10 ⁸ Ohms (BS2050)
Toxicity	Taint free to sensitive foodstuffs

Speed of Cure

	10 °C	20 °C	30°C
Light traffic	36 hrs	24 hrs	16 hrs
Full traffic	72 hrs	48 hrs	36 hrs
Full chemical cure	12 days	7days	7days

Aftercare - Cleaning and Maintenance

Contact Flowcrete Australia for detailed information.

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.

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.

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