

## Flowshield ESD SL (2mm)

An antistatic, hard-wearing, abrasion resistant, self-smoothing gloss finish resin flooring system.

Typically used in sensitive environments such as electronic, laboratory, defence and clean room environments.



### Antistatic:

Meets EN IEC 61340-5-1 antistatic standard requirements.



### Attractive:

Brightens and enhances workspace environments.



### Low Maintenance:

Seamless, hygienic finish which requires low maintenance.



### Abrasion Resistant:

Hard-wearing, durable and abrasion resistant coating.

## Technical Profile

### FIRE RESISTANCE - AS/ISO 9239.1

CHF Value	6.6 kW/m <sup>2</sup>
Smoke Value	398% (Mean)

### SLIP RESISTANCE\*

Method described in AS4586-2013	P1 Rating (in accordance with AS4586-2013)
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### TEMPERATURE RESISTANCE

Softens over 60°C

### WATER PERMEABILITY

Karsten Test	Nil (Impermeable)
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### ABRASION RESISTANCE

Taber Abrader (1 kg load using CS17 wheels)	80 mg loss per 1000 cycles
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### COMPRESSIVE STRENGTH

BS6319	60 N/mm <sup>2</sup>
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### FLEXURAL STRENGTH

BS6319	40 N/mm <sup>2</sup>
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### TENSILE STRENGTH

BS6319	25 N/mm <sup>2</sup>
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### BOND STRENGTH

ASTM D4541 (Pull-Off Test)	> 1.5MPa
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### ELECTRICAL RESISTANCE

EN IEC 61340-5-1	< 1 x 10 <sup>9</sup> Ω
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### CHEMICAL RESISTANCE

Contact Technical Department

SPEED OF CURE	10°C	20°C	30°C
Foot Traffic	36 h	24 h	16 h
Vehicular Traffic	72 h	48 h	36 h
Full Chemical Cure	12 d	7 d	7 d

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



Terracotta



Serpentine



Bluebell



Light Grey Blue



Pastel Grey



Light Grey



Bridge Grey



Dark Grey



Straw



Mushroom

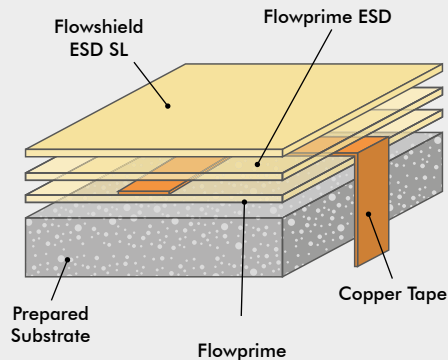
The applied colours may differ from the examples shown.  
For a full colour chart and samples, contact your local Flowcrete office.

## Model Specification

System	Flowshield ESD SL
Finish	Gloss
Thickness	2mm
Manufacturer	Flowcrete Australia Pty Ltd
Contact	+61 7 3205 7115

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

## System Design



## Products Included In This System

Layer 1	Flowprime
Layer 2	Flowprime *2nd coat for porous substrates only.
	Conductive grid of 12 mm wide copper Tape
Layer 3	Flowprime ESD
Layer 4	Flowshield ESD SL

Detailed application instructions are available upon request.

## Coving

Coving can form 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.

## 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 up to 75% RH as per ASTM F2170 (AS1884:2012).

## Installation Service

The installation should be carried out by a qualified contractor with a documented quality assurance scheme. For details of our recommended contractors, contact your local Flowcrete office.

## 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 and maintenance. Environmental and health considerations are controlled during manufacture of the products by Flowcrete staff.

## Aftercare, Cleaning & Maintenance

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent. Please refer to Flowcrete's Cleaning & Maintenance Guide for further information.

## Warranty

Flowcrete products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before installing the products.