

## Peran ESD SL (2 mm)



### Description

Anti-static, hygienic, easy-to-clean self smoothing resin floor finish.

### Uses

To provide a hard wearing, seamless, anti-static floor compliant with EN IEC 61340. Used in dry process areas where the floor is subjected to medium to heavy duty foot, trolley, pallet truck and rubber wheeled fork lift traffic. Typical uses include laboratories, clean rooms, warehouses, and electronic, aerospace, automotive and printing plants.

### Benefits

- Attractive, enhances working environment
- Meets EN IEC 61340 anti-static requirements
- Hygienic – easy to clean
- Non-tainting, non-dusting
- Hard wearing floor finish
- Abrasion resistant

### Standard colour chart



Goosewing Grey 222



Tile Red 637



Mid Grey 280



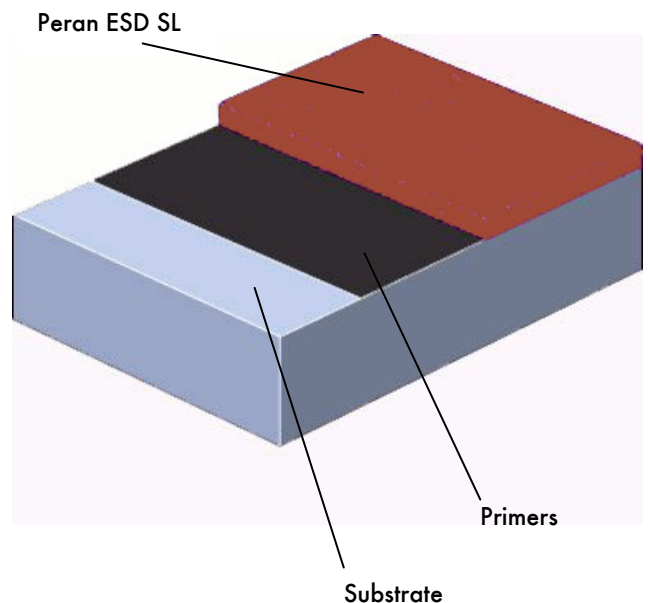
Emerald Green 740



Yellow 340

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

### System Design



## Model Specification

Product: Peran ESD SL

Finish: Gloss

Thickness: nominal 2 mm

Colour: \_\_\_\_\_

Preparatory work and application in accordance with suppliers instructions.

Supplier: Flowcrete UK Ltd

Telephone : Customer Service - +44 (0) 1270 753000

## 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 and free from rising damp and ground water pressure. If no damp proof membrane is present Hydraseal DPM can be incorporated directly beneath the Peran ESD SL system.

## Products Included in this System

Primer: 1<sup>st</sup> coat Flowprime @ 0.25 kg/m<sup>2</sup>  
2<sup>nd</sup> coat Flowprime @ 0.25 kg/m<sup>2</sup>

Conductive Grid of 10 mm wide copper tape.

Anti-Static Primer: Peran ESD Primer @ 0.4 kg/m<sup>2</sup>

Topping: Peran ESD SL (density 1.8 kg/l) @ 3.6 kg/m<sup>2</sup>

Detailed application instructions are available upon request.

## Conductive Grid

A network of 10 mm 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 final coat of Flowprime, 150mm in from the perimeter of the application. A further grid of tape should be applied within this area at 3 m centres. Special attention should be paid to tape areas passing over expansion or bay joints to ensure permanent electrical continuity. The applied tape matrix should be secure and fully bonded to a confirmed earth point.

## 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.co.uk](http://www.flowcrete.co.uk)

## 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.

## 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.

## Technical Information

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

<b>CE</b>		
08		
EN 13813 IR17-RWA1-B2.7-ER105 Synthetic screed material for use internally in buildings		
Reaction to fire	C <sub>FL</sub> - s1	(EN 13501-1)
Impact Resistance	IR17	(EN ISO 6272)
Wear Resistance	RWA1	(EN 13892-5)
Bond Strength	B2.7	(EN 13892-8)
Electrical Resistance	ER 6.9x10 <sup>5</sup> Ω	(EN 1081)

**Slip Resistance** Dry >40 low slip potential  
Method described in BS 7976-2 (in accordance with HSE and UKSRG  
(typical values for 4-5 rubber slider) guidelines)

The slipperiness of flooring materials can change significantly, due to the installation process, after short periods of use, due to inappropriate maintenance, longer-term wear and/or surface contaminants (wet or dry).

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 60 °C
Water Permeability	Nil - Karsten test (impermeable)
Vapour Permeability	0.4 gms / m <sup>2</sup> / 24 hours
Surface Hardness	180 secs. Koenig Hardness Test
Chemical Resistance	Contact Technical Department
Compressive Strength	60 N/mm <sup>2</sup> (BS6319)
Flexural Strength	40 N/mm <sup>2</sup> (BS6319)
Tensile Strength	25 N/mm <sup>2</sup> (BS6319)
Electrical Resistance (EN IEC 61340-5-1)	5 x 10 <sup>4</sup> - 1 x 10 <sup>9</sup> Ohms

Complies with BS 8204-6/FeRFA type 5.

## Speed of Cure

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