

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 BS 2050.

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 BS 2050 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



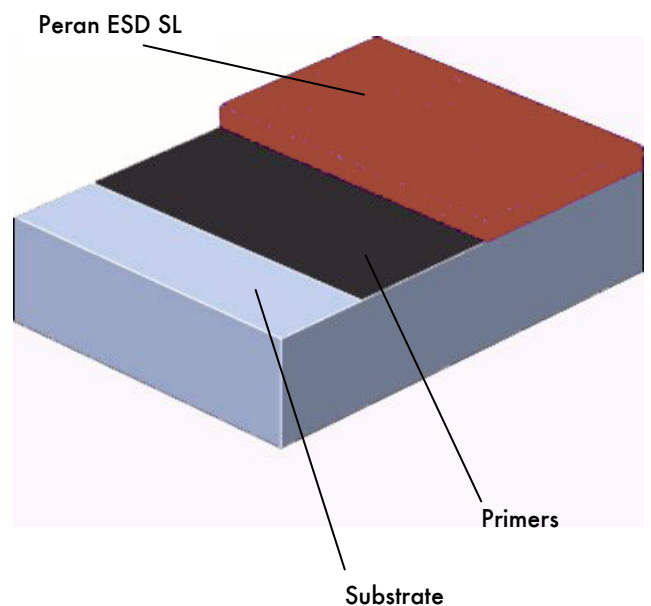
Yellow Grey 217



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/mm², 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: 1st coat Flowprime @ 0.25 kg/m²
2nd coat Flowprime @ 0.25 kg/m²

Conductive Grid of 10 mm wide copper tape.

Anti-Static Primer: Peran ESD Primer @ 0.4 kg/m²

Topping: Peran ESD SL (density 1.8 kg/l) @ 3.6 kg/m²

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.com

Focus on the Floorzone

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 manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request.

System Performance Guide

Complies with BS 8204-6/FeRFA type 5.

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 BS6677:Part 1	TRRL Pendulum Slip Test Dry 100 Wet 30
Temperature Resistance	Tolerant up to 60 °C
Water Permeability	Nil - Karsten test (impermeable)
Vapour Permeability	0.4 gms / m ² / 24 hours
Surface Hardness	180 secs. Koenig Hardness Test
Chemical Resistance	Go to www.flowcrete.com
Abrasion Resistance BS8204-2: Class AR2	Taber Abrader: 50mg loss per 1000 cycles (1kg Load using H17 wheels)
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 x 10 ⁴ - 1 x 10 ⁸ (to BS 2050) 1.8x10 ⁵ - 1.4x10 ⁶ (to EN 1081)
Toxicity	Taint free to sensitive foodstuffs.

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.

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.

Life Expectancy

6 to 8 years, dependant on thickness and subject to correct maintenance regime.

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.