

Peran ESD SL (2.5 mm)

An anti-static, easy-to-clean, self-smoothing resin floor finish.



Attractive:

Enhances the appearance of working environment.



Anti-Static:

Meets EN IEC 61340 anti-static requirements.



Hygienic:

Provides a seamless finish that is easy to clean and maintain.



Hard Wearing:

Ideal for areas with sustained medium to heavy foot traffic.



Goosewing Grey 222

Tile Red 637

Mid Grey 280

Yellow 340



Emerald Green 740

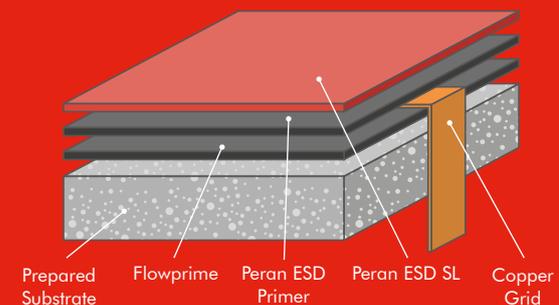
The applied colours may differ from the examples shown. For a full colour chart and samples, contact your local Flowcrete office.

Technical Profile*

ELECTRICAL RESISTANCE			
EN IEC 61340-5-1	$5 \times 10^4 - 1 \times 10^9 \Omega$		
REACTION TO FIRE			
EN 13501-1	C _{fl} -s1		
IMPACT RESISTANCE			
EN ISO 6272	17 Nm		
TEMPERATURE RESISTANCE			
Tolerant up to 70°C (intermittent) or 50°C (sustained)			
WEAR RESISTANCE			
EN 13892-5	Abrasion loss <1 cm ³		
COMPRESSIVE STRENGTH			
EN 13892-2	60 N/mm ²		
BOND STRENGTH			
EN 13892-8	>2.5 N/mm ²		
SURFACE HARDNESS			
Koenig Hardness Test	180 secs.		
VAPOUR PERMEABILITY			
ASTM E96:90	0.4 gms / m ² / 24 hours		
SLIP RESISTANCE** (in accordance with HSE and UKSRG guidelines)			
EN 13036-4 / BS 7976-2 (typical values for 4-S rubber slider)	Dry > 40 low slip potential		
FLEXURAL STRENGTH			
EN 13892-2	40 N/mm ²		
TENSILE STRENGTH			
BS 6319-7	25 N/mm ²		
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

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

**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).



Model Specification

System	Peran ESD SL
Finish	Gloss

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

Products Included In This System

2.5 mm system (Standard):	
Primers	1st coat Flowprime @ 0.25 kg/m ² 2nd coat Flowprime @ 0.25 kg/m ² Conductive Grid of 10 mm wide copper tape. Anti-Static Primer: Peran ESD Primer @ 0.4 kg/m ²
Topping	Peran ESD SL @ 3.6 kg/m ²
2 mm system (Economic):	
Primers	1st coat Flowprime @ 0.25 kg/m ² 2nd coat Flowprime @ 0.25 kg/m ² Conductive Grid of 10 mm wide copper tape. Anti-Static Primer: Peran ESD Primer @ 0.4 kg/m ²
Topping	Peran ESD SL (economic) @ 2.6 kg/m ² Due to the lower application thickness of the economic system, it requires a smoother substrate with a lower surface profile than if using the standard 2.5 mm system. In addition, the material and substrate temperatures must be optimum (15–25°C) to ensure a smooth finish.
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.

Detailed application instructions are available upon request.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitance, dust and other contamination. The substrate should be dry to 75% RH as per BS8203 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.

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 website www.flowcrete.co.uk

Aftercare

Clean regularly in conjunction with a neutral detergent (or mild alkaline detergent for stubborn stains). A satin/ matte protective emulsion (e.g. TASKI Jontec Matte) may be applied to the surface of the Peran CHD system if required, as part of the ongoing maintenance programme. In cases where cleaning companies carry out maintenance they should be instructed to use a floor polish with the same gloss factor as Flowseal PU Matte (Ultra).

Note

No resin system is totally colour fast and may change colour over time (exhibits a yellowing effect). Colour change depends on the UV light and heat levels present and hence the rate of change cannot be predicted. This is more noticeable in very light colours but does not compromise the product's physical or chemical resistance characteristics. We have endeavoured to adopt colours within our standard range which minimise this change. Intensively coloured products (e.g. hair colourants, medical disinfectants etc.) and plasticizer migration (e.g. from rubber tyres) can lead to irreversible discolouration in the surface. Please contact our Technical Services Department for further advice.

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. Any suggested practices or installation specifications for the composite floor or wall system (as opposed to individual product performance specifications) included in this communication (or any other) from Flowcrete UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Flowcrete UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.

System Datasheet written for Flowcrete UK Ltd. Please consult Technical Team in your own country region for specific details. [12/02/19, 01 UK]