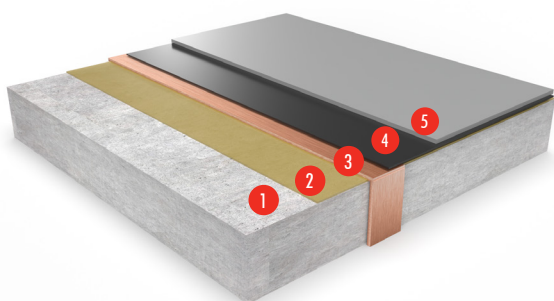


Flowcoat ESD SF41 (0.65 mm)

Smooth, antistatic flooring system based on solvent-free, pigmented epoxy resin.



- 1 Prepared Substrate
- 2 Flowprime or Protop 1000 or Flowprime LW
- 3 Conductive grid
- 4 WB Peran ESD Primer WB
- 5 Flowcoat ESD SF41



Electrostatic Dissipative:

Used in areas where it is necessary to discharge static electricity (EPA), such as: production, assembly and storage rooms of sensitive electronic devices.



Meets requirements:

Meets anti-static requirements of EN 61340-5-1.



Chemical resistance:

Good resistance to medium chemical loads.



Hygienic:

Easy-to-clean, seamless finish

FIRE RESISTANCE	
EN13501-1	B _{fl} -s1
ELECTRICAL PROPERTIES	
EN IEC 61340-4-1	$\leq 1 \times 10^9 [\Omega]$ (Resistance to ground)
EN IEC 61340-4-5	< 100 V (Body Voltage Generation)
SLIP RESISTANCE*	
EN 13036-4	Dry > 40
IMPACT RESISTANCE	
EN ISO 6272-1	IR10 (10Nm)
TEMPERATURE RESISTANCE	
Sustained heat: +50 °C, intermittent spillages: +70 °C	
CAPILLARY ABSORPTION & WATER PERMEABILITY	
EN 1062-3	0,001 kg/m ² h ^{0.5}
HARDNESS	
EN 13892-6	285 N/mm ²
BOND STRENGTH	
EN 13892-8	B2.0 (≥ 2.0 MPa)
COMPRESSIVE STRENGTH	
EN 13892-2	> 80 N/mm ²
FLEXURAL STRENGTH	
EN 13892-2	> 60 N/mm ²
TENSILE STRENGTH	
BS 6319	> 15 N/mm ²

SPEED OF CURE	10 °C	20 °C	30 °C
Light Traffic	48 hrs	16 hrs	12 hrs
Full Traffic	72 hrs	48 hrs	40 hrs
Full Chemical Cure	12 days	7 days	5 days

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



Dark Grey 281 Forrest Green 754 Goosewing Grey 222 Mid Grey 280



Tile Red 637 Traffic Blue 466

Due to the conductive additives present in the system, colours will appear darker than standard Flowcoat SF41. For a full colour chart and samples, contact your local Tremco CPG Europe office.

Model Specification

System	Flowcoat ESD SF41
Finish	Gloss
Thickness	~0.65 mm

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

Products Included In This System

Primer	Flowprime or Protop 1000 or Flowprime LW @ 0.25-0.35 kg/m ²
Conductive grid of 9-12 mm wide copper tape with conductive adhesive or conductive copper spray.	
Primer	Peran ESD Primer WB @ 0.1 - 0.15 kg/m ²
Coating	Flowcoat ESD SF41 1st Coat @ 0.3 kg/m ² 2nd Coat @ 0.3 kg/m ² Coverage rates will vary with surface profile and temperature.

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 (4.5% on Tramex scale) for Protop 1000, 93% RH as per BS8203 (5.5% on Tramex scale) for Flowprime / Flowprime LW and free from rising damp and ground water pressure. If no damp proof membrane is present Hydraseal DPM can be incorporated directly beneath the system.

Installation Service

The installation should be carried out by a Tremco CPG 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.eu

Aftercare, Cleaning, Maintenance

Clean regularly in conjunction with a neutral detergent or mild alkaline detergent that does not leave any additional coating as it might impair the ESD performance of the floor.

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.

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 and application of the products by Tremco CPG staff and fully trained application teams.

Important Notes

Tremco CPG 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.

*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 Department for further details and specifications.

Tremco CPG'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 Tremco CPG constitute potential options only and do not constitute nor replace professional advice in such regard. Tremco CPG recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.

System Datasheet written for Tremco CPG. Please consult Technical Team in your own country region for specific details. [19/09/24, 01 UK]