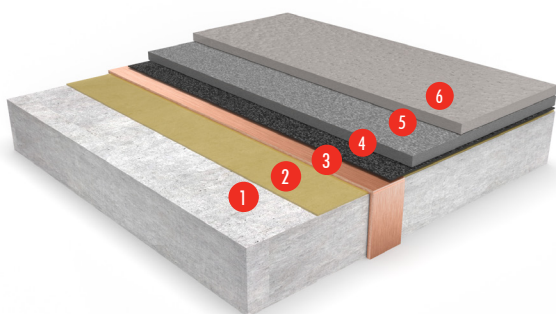


Flowcoat ESD SF41 Structure (1.5 - 2 mm)

Anti-slip flooring system with antistatic properties based on colored epoxy resin and special aggregate.



- | | |
|--|---|
| 1 Prepared Substrate | 4 Peran ESD primer WB Scattered with Peran ESD Sand Monocolor Black |
| 2 Flowprime or Protop 1000 or Flowprime LW | 5 Flowcoat ESD SF41 scattered with Peran ESD Sand MIX Natural |
| 3 Conductive grid | 6 Flowcoat ESD SF41 |



Electrostatic Conductive:

For use in the production, assembly and storage rooms of sensitive electronic devices, in gas, solvents and explosives warehouses and potentially explosive areas.



Meets requirements:

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



Chemical resistance:

Good resistance to medium chemical loads.



Slip Resistant:

Textured, anti-slip finish for safer work environment.

FIRE RESISTANCE				
EN13501-1		B _f -s1		
ELECTRICAL PROPERTIES				
EN 61340-4-1		R _g ≤1 x 10 ⁶ [Ω] (resistance to ground)		
EN 1081		R _g ≤1 x 10 ⁶ [Ω] (resistance to ground R2)		
EN 61340-4-5		< 100 [V] (maximum body voltage generation) R _g ≤1 x 10 ⁹ [Ω] (Person/footwear/flooring system)		
DIN VDE 0100-600		R _x > 5x10 ⁴ [Ω] (Insulation resistance)		
SLIP RESISTANCE*				
EN 13036-4		Dry > 40 (low slip potential) Wet >40 (low slip potential)		
IMPACT RESISTANCE				
EN ISO 6272-1		IR15 (15 Nm)		
TEMPERATURE RESISTANCE				
Sustained heat: +50 °C, intermittent spillages: +70 °C				
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 Structure
Finish	Gloss
Thickness	1,5–2,0 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.	
Primer	Peran ESD primer WB @ 0.1 -0.15 kg/m ² Scattered with Peran ESD Sand Monocolor Black @ 0.5 kg/m ²
Coating	Flowcoat ESD SF41 @ 0.5 kg/m ² scattered with Peran ESD Sand MIX Natural @ 2.2 kg/m ² Flowcoat ESD SF41 in one or two coats: 1st Coat @ 0.6 kg/m ² 2nd Coat (optional) @ 0.2 kg/m ²

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]