

Flowcoat ESD SF41 Structure

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



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 and EN 61340-4-5



Chemical resistance:

Good resistance to medium chemical loads



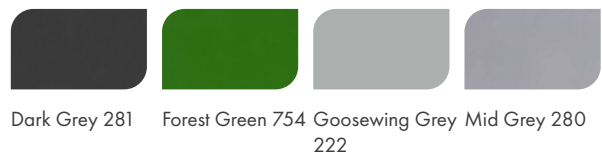
Higienic:

Easy-to-clean, seamless finish

Technical Information¹

ELECTRICAL RESISTANCE	
$1 \times 10^6 \Omega$	PN-EN 61340-5-1
Body Voltage Generation <math>< 100 \text{ V}</math>	EN 61340-4-5
SLIP RESISTANCE ²	
Dry > 40	EN 13036-4
TEMPERATURE RESISTANCE	
Sustained heat: +50°C, intermittent spillages: +70°C	
CAPILLARY ABSORPTION & WATER PERMEABILITY	
0,001 kg/m ² xh ^{0.5}	EN 1062-3
SURFACE HARDNESS	
285 N/mm ²	EN 13892-6
COMPRESSIVE STRENGTH	
> 80 N/mm ²	EN 13892-2
FLEXURAL STRENGTH	
> 60 N/mm ²	EN 13892-2
TENSILE STRENGTH	
> 15 N/mm ²	BS 6319
IMPACT RESISTANCE	
10 Nm	EN ISO 6272-1
BOND STRENGTH	
> 2,5 MPa	EN 13892-8

SPEED OF CURE	+10°C	+20°C	+30°C
Light Traffic	48 h	16 h	12 h
Full traffic	72 h	48 h	40 h
Full chemical cure	12 days	7 days	7 days



Dark Grey 281 Forest Green 754 Goosewing Grey 222 Mid Grey 280
Tile Red 637 Traffic Blue 446

Colours will appear darker than standard Flowcoat SF41.
The applied colours may differ from the examples shown.
For a full colour chart and samples, contact your local CPG Europe office.

¹The figures in the table beside are typical properties achieved in laboratory tests – these results may vary depending on the conditions on the installation site. ²The final anti-slip properties of the floor are influenced by the application method, the size and shape of the aggregate used for the topcoat (aggregate recommendations available from CPG Eastern Europe), the degree of abrasion, maintenance and the nature of the dirt.

Model Specification

System:	Flowcoat ESD SF41 Structure
Finish:	Gloss
Thickness:	1,5–2,0 mm
Colour	According to the catalog
Producer:	CPG Europe
Supplier:	Tremco CPG Poland Sp. z o.o.
Telephone:	+48 22 879 89 07

Installation Service

The installation should be carried out by a Flowcrete approved contractors with a documented quality assurance scheme. Obtain details of our approved contractors by contacting CPG Eastern Europe or enquiring via our website at www.flowcrete.com.pl.

Products Included in this System

Primer³	Protop 1000 Copper tape
Antistatic Primer	Peran ESD Primer WB Peran ESD Sand Monocolor
First layer:	Flowcoat ESD SF41 Peran ESD Sand Mix
Second layer:	Flowcoat ESD SF41

³ If other resins are used contact CPG Eastern Europe for further details.

Detailed application instructions are available upon request.

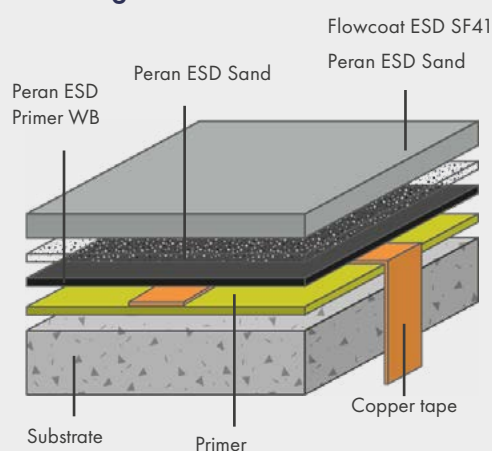
Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless, impermeable surface with perfect adhesion to the substrate reduce the need for repairs and maintenance.

Substrate Requirements

Concrete or screed substrate should be class min. C20/25, a minimum bond strength of 1,5 MPa (pull-off test), surface even, clean, free from laitance, dust and other contamination. All damages in the substrate should be repaired prior to applying the flooring. The substrate should be dry up to 75% RH as per BS 8204 (5% humidity measured by the Tramex method) and free from rising damp and ground water pressure. In case of higher humidity, one should use Hydraseal DPM as primer. Details to be found in the *Flowcrete Resin Flooring Substrate Requirements*.

System Design



Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless, impermeable surface with perfect adhesion to the substrate reduce the need for repairs and maintenance.

Technical information, recommendations and instructions concerning the product use, storage and maintenance included in this System Data Sheet are based on Tremco CPG Poland Sp. z o.o. (further related as „CPG Polska”) knowledge and experience, reflecting the best acknowledged way of using the material for a given moment. Taking into consideration other factors that are beyond the producer’s control, including differences in quality of substrates, tools and other complementary materials, weather conditions, proper installation and also cleaning and maintenance, CPG Polska cannot take responsibility in case of failure to conform with information and instructions included in this System Data Sheet or, respectively, written recommendations from authorized CPG Polska representatives. One should always conform with up-to-date norms and building principles, and also safety, hygiene and health protection rules according to the information included in Material Safety Data Sheets and also on the products packaging. This System Data Sheet replaces all previous versions. In order to receive up-to-date System Data Sheets contact CPG Polska.

25/05/21

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