

Flowcoat ESD SF41

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



Electrostatic Dissipative:

Used in areas where it is necessary to disperse 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 and EN 61340-4-5



Chemical resistance:

Good resistance to medium chemical loads



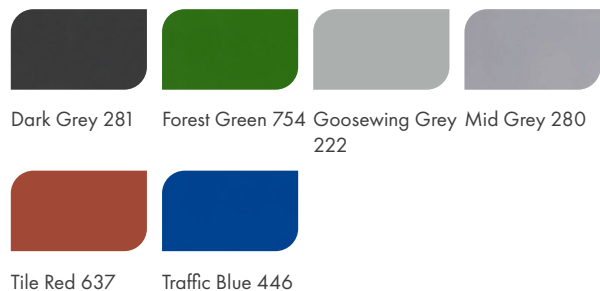
Higienic:

Easy-to-clean, seamless finish

Technical Information¹

ELECTRICAL RESISTANCE	
1x10 ⁹ - 1x10 ⁹ Ω	EN 61340-5-1
SLIP RESISTANCE ²	
Dry > 40	EN 13036-4
TEMPERATURE RESISTANCE	
Sustained heat: +50°C, intermittent spillages: +70°C	
CAPILLARY ABSORPTION & PERMEABILITY TO WATER	
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



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 Flowcrete office.

¹ The figures in the table beside are typical properties achieved in laboratory tests – these results may vary depending on the conditions on the installation site. ² The 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 Flowcrete Polska), the degree of abrasion, maintenance and the nature the dirt.

Model Specification

System:	Flowcoat ESD SF41
Finish:	Gloss
Thickness:	0,65 mm
Colour	According to the catalog
Producer:	Flowcrete Group Ltd
Supplier:	Flowcrete Polska 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 Flowcrete Polska 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
First layer:	Flowcoat ESD SF41
Second layer:	Flowcoat ESD SF41

³ If other resins are used contact Flowcrete Polska for further details.

Detailed application instructions are available upon request.

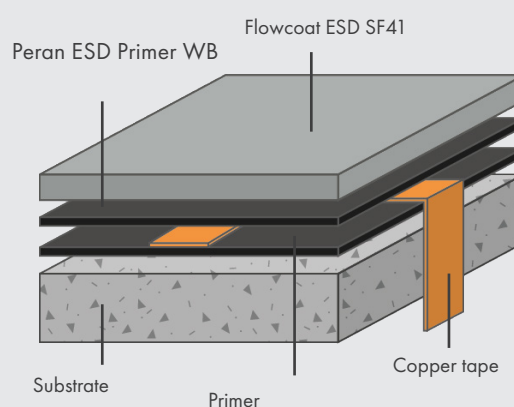
Environmental Considerations

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



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Technical information, recommendations and instructions concerning the product use, storage and maintenance included in this System Data Sheet are based on Flowcrete Polska Sp. z o.o. (further related as „Flowcrete”) 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, Flowcrete 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 Flowcrete 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 Flowcrete Polska

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