Flowcrete
for the world at your feet

Flowcoat SF41 (0.35 mm)

A time-proven, cost-effective and high performance, epoxy resin floor coating system with adjustable anti-slip properties.

Low Maintenance:
End of life surfaces can be over-coated with minimal surface preparation.

Chemical Resistant:
Protects against a range of acids, alkalis, solvents, alcohol and fuel.

Slip Resistant:
Slip resistant finish can be tailored to specific client requirements.

Easy to Clean:
Seamless installation ensures dirt and dust are easily cleaned away.

Temperature Resistant:
Tolerant of temperatures up to 70°C.

Beige 326 | Dark Grey 281 | Forest Green 754 | Goosewing Grey 222

Light Grey 232 | Mid Grey 280 | Tile Red 637 | Traffic Blue 446

The applied colours may differ from the examples shown.
For a full colour chart and samples, contact your local Flowcrete office.
Special corporate colours and designs can be produced to special order.
Zinc Yellow (RAL 1018), Signal Red (RAL 3001), Black and Off White are available in 6 kg units for use in line marking.

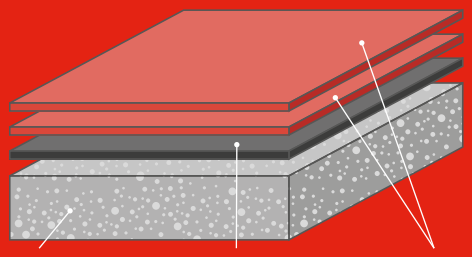
Technical Profile*

FIRE RESISTANCE	
EN 13501-1	B_{fl}-s1
WEAR RESISTANCE	
EN 13892-5	Abrasion quantity <1 cm^3
BOND STRENGTH	
EN 13892-8	>2.5 N/mm^2
SURFACE HARDNESS	
EN 13892-6	285 N/mm^2
IMPACT RESISTANCE	
EN ISO 6272	10 Nm
TEMPERATURE RESISTANCE	
Tolerant up to 70°C (intermittent) or 50°C (sustained)	
CAPILLARY ABSORPTION & WATER PERMEABILITY	
EN 1062-3	0.001 $kg/m^2 \times h^{0.5}$
SLIP RESISTANCE** (in accordance with HSE and UKSRG guidelines)	
BS 7976-2 (typical values for 4-S rubber slider)	Dry >40 low slip potential
COMPRESSIVE STRENGTH	
EN 13892-2	>80 N/mm^2
FLEXURAL STRENGTH	
EN 13892-2	>60 N/mm^2
TENSILE STRENGTH	
EN 13892-2	>15 N/mm^2
BS 8204-6 / FeRFA	
Type 3	

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	7 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). Please contact our Technical Department for further details and specifications.



For any other information please contact your local Flowcrete Technical Department.

CE 08 EN 13813

www.flowcrete.co.uk

Model Specification

Product	Flowcoat SF41
Finish	Gloss

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

Products Included In This System

Primer	Flowprime @ 0.25 kg/m^2 (if weak substrate)
Coating	Flowcoat SF41 (density 1.4 kg/l) 1st Coat @ 0.25–0.3 kg/m^2 2nd Coat @ 0.25–0.3 kg/m^2 Coverage rates will vary with surface profile and temperature.
Non-Slip Finishes	Various grades of quartz, aluminium oxide, glass spheres or silicon carbide can be incorporated to provide a textured surface.

Detailed application instructions are available upon request.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm^2, 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 Flowcoat SF41 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 using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent.

Flowcrete products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Terms and Conditions of Sale', copies of which can be obtained on request.

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, maintenance and cleaning.

Environmental and health considerations are controlled during manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

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. [11/12/18, 01 UK]

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