

Flowcoat SF41 (0.35 mm)



Standard colour chart



Light Grey 232



Beige 326



Goosewing Grey 222



Tile Red 637



Mid Grey 280



Forest Green 754



Dark Grey 281



Traffic Blue 466

The applied colours may differ slightly from the examples shown above. Contact our customer services for a true colour sample or a special colour match.

Zinc Yellow (RAL 1018), Signal Red (RAL 3001), Black and Off White are available in 6 kg units for use in line marking.

Special corporate colours and designs can be produced to special order. Note that some light or bright colours may need multiple coats to achieve opacity.

Description

High performance, solvent free, chemical resistant, epoxy resin coating. Different grades of slip resistance can be achieved by inclusion of graded aggregate between coats.

Uses

Flowcoat SF41 may be used as a hard wearing coloured floor coating in areas such as factories, warehouses, plant and storerooms where high resistance against chemical attack is required. Also used as a line marker in demarcation areas, may also be used for internal deck car park topcoats.

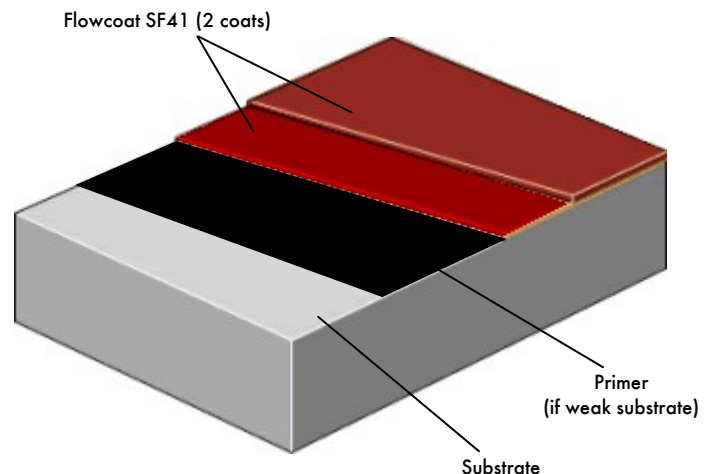
Benefits

- Chemical resistant
- Hard wearing
- Abrasion resistant
- Solvent free, low odour
- Aesthetically attractive - brightens up dull factories and warehouses
- Seamless and hygienic finish
- Low maintenance
- Slip resistant finish can be tailored to specific client requirements
- Nonylphenol free

Project References

Bentley Motor Cars (see picture), Jaguar Cars S Class Production Line, New Strait Times Production Plant - Malaysia, Humber Power Station, Vauxhall Automotive production lines.

System Design



Model Specification

Product: Flowcoat SF41

Finish: Gloss

Thickness: 0.35 mm

Colour: _____

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

Supplier: Flowcrete UK Ltd.

Telephone : Customer Service - +44 (0) 1270 753000

Substrate Requirements

Concrete or screed substrate should be a minimum of 25N/mm², free from laitance, dust and other contamination. The substrate should be dry to 75% RH as per BS8204 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 system.

Products Included in this System

Primer (if weak substrate) : Flowprime @ 0.25 kg/m²

Coating: Flowcoat SF41 (density 1.4 kg/l)

1st Coat @ 0.25 - 0.3 kg/m²

2nd Coat @ 0.25 - 0.3 kg/m²

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.

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 web site

www.flowcrete.co.uk

Notes

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 colorants, medical disinfectants etc.) and plasticizer migration (e.g. from rubber tyres) can lead to irreversible discoloration 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, 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.

Technical Information

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

Reaction to fire	B _{FL} - s1	EN 13501-1
Wear Resistance	Abrasion quantity <1 cm ³	EN 13892-5
Surface Hardness	285 N/mm ²	EN 13892-6
Bond Strength	> 2.5 N/mm ²	EN 13892-8
Impact Resistance	10 Nm	EN ISO 6272
Capillary absorption & permeability to water	0.001 kg/m ² x h ^{0.5}	EN 1062-3
Thermal Resistance	Tolerant up to 70 °C	
Chemical Resistance	Contact Technical Department	
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 6319-7
Slip Resistance	Dry >40	low slip potential
Method described in BS 7976-2 (typical values for 4-S rubber slider)	(in accordance with HSE and UKSRG guidelines)	

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 Advisors for further details and specifications.

Conforms with 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

Aftercare - Cleaning and Maintenance

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent.

Important Notes

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.