

Flowcoat SF41 (0.35 mm)



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.

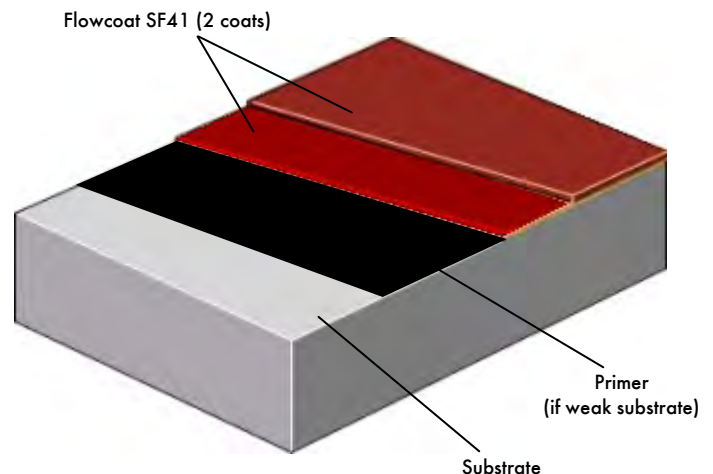
Benefits

- 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



Standard colour chart



Goosewing Grey 222



Beige 326



Mid Grey 280



Emerald Green 740



Yellow Grey 217



Yellow 340



Tile Red 637



Sky Blue 452

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.

Model Specification

Product: Flowcoat SF41

Finish: Gloss

Thickness: 0.35 mm

Colour: _____

Preparatory work and application in accordance with suppliers 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

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.

Focus on the Floorzone

Flowcrete are market leaders in specialist industrial and commercial flooring. Systems available include: underfloor heating systems, floor screeds, surface damp proof membranes, decorative floor finishes, seamless terrazzo, car park deck waterproofing, tank lining systems... to name just a few. Our objective is to satisfy your Floorzone needs.

Technical Information

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

Fire Resistance BS476-7 :
Surface spread of flame: Class 1

Slip Resistance Dry >40 low slip potential
Method described in BS 7976-2 (in accordance with HSE and UKSRG
(typical values for 4-S rubber slider) 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.

Thermal Resistance Tolerant up to 70 °C

Water Permeability Nil - Karsten test (impermeable)

Surface Hardness 180 secs. Koenig Hardness Test

Chemical Resistance Contact Technical Department

Abrasion Resistance Taber Abrader:
5 mg loss per 1000 cycles
(1 kg load using CS17 wheels)
BS8204-2 Grade AR2

Compressive Strength > 80 N/mm² (BS6319)

Flexural Strength > 60 N/mm² (BS6319)

Tensile Strength > 15 N/mm² (BS6319)

Bond Strength Greater than cohesive strength of
25 N/mm² concrete. >1.5 MPa.

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 Note

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.

Further Information

To ensure you are specifying a fit for purpose flooring for your project please consult our Technical Advisors on the number below or visit our website to register your interest in specifying one of the most durable floors on the market.