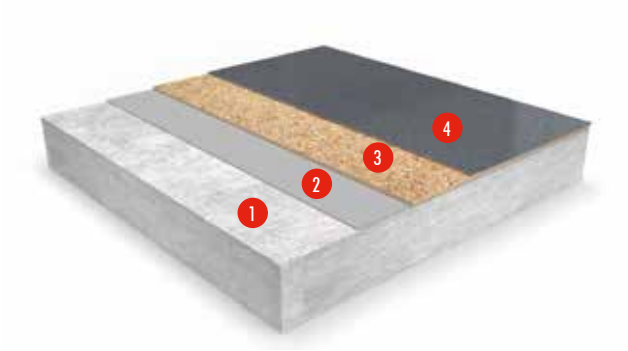
Flowcrete
for the world at your feet

Epoxy

Flowcoat SF41 LE SR
(~1.0 mm)

Pigmented, high-performance, solvent-free epoxy anti-slip system with enhanced UV resistance and low VOC emissions.



1. Prepared Substrate
2. Primer (if weak substrate)
3. Flowcoat SF41 LE, scattered Natural Quartz
4. Flowcoat SF41 LE

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.

M1 Certified & Sustainable
Low VOC content & emission, can contribute to LEED V4/V4.1 Performance Score.

UV Resistant:
Provides exceptional colour stability in very well sunlit interiors.

CE	23
	EN 13813

FIRE RESISTANCE	
EN 13501-1	B_{fl}-s1
WEAR RESISTANCE	
EN 13892-4	AR0.5 (< 50 μm)
BOND STRENGTH	
EN 13892-8	B2.0 (≥ 2 MPa)
SHORE D HARDNESS	
EN ISO 7619-1	D ≈ 80
IMPACT RESISTANCE	
EN ISO 6272	IR10 (10 Nm)
TEMPERATURE RESISTANCE	
Tolerant of sustained temperature up to 50°C	
VOC EMISSIONS COMPLIANCE	
Indoor Air Comfort GOLD: Pass M1: Pass | AGB/AgBB: Pass | BREEAM Int.: Exemplary Level	
SLIP RESISTANCE*	
EN 13036-4 (typical values for 4-S rubber slider)	Dry >40 low slip potential Wet >40 low slip potential

SPEED OF CURE	10°C	20°C	30°C
Light Traffic	48 hrs	24 hrs	12 hrs
Full Traffic	4 days	72 hrs	24 hrs
Full Chemical Cure	12 days	7 days	5 days

The figures above 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.

Goosewing Grey 222	Light Grey 232	Window Grey 2012	Mid Grey 280
Sand Beige 326	Pastel Blue 452	Tile Red 637	Pastel Green 740

The applied colours may differ from the examples shown.
For a full colour chart and samples, contact your local CPG office.

Model Specification

System	Flowcoat SF41 LE SR
Finish	Gloss
Thickness	~1.0 mm

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

Products Included In This System

Primer	Flowprime LE100 @ 0.30 kg/m^2 (if weak substrate)
Wearing Layer	Flowcoat SF41 LE @ 0.30 kg/m^2 Scattered with Natural Quartz 0.3 - 0.8 mm @ 1.5 kg/m^2
Topcoat	Flowcoat SF41 LE @ 0.7-0.8 kg/m^2

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 83% RH as per BS8203 (5.0 % on TRAMEX scale) and free from rising damp and ground water pressure. For substrates exceeding 83% RH - up to 100 % RH as per BS8203 (surface dry) full two-coat application of Hydraseal DPM is required. Consult our Technical Department for more detailed information.

Installation Service

The installation should be carried out by a CPG 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.eu.

Aftercare, Cleaning, Maintenance

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

Note

Flowcoat SF41 LE exhibits exceptionally higher UV resistance than most currently available systems based on epoxy binders, however 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.

Environmental Considerations

The finished system is assessed as nonhazardous 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 Tremco CPG staff and fully trained and experienced contractors.

Important Notes

CPG products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before installing the products.

System Datasheet written for Tremco CPG. Please consult Technical Team in your own country region for specific details. [23/11/23, 01 UK]

TREMCO Construction Products Group

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