

Flowcoat TL (0.5 mm)

CE
13
EN1504-2



Description

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

Uses

Flowcoat TL may be used for the more demanding surfaces such as required in dry environments in the light engineering & pharmaceutical industries, for corridors, locker rooms, culverts and warehousing etc.

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

Project References

Securitas in Malmö, Halmstad airport;
Ortvikens pappersbruk in Sundsvall (Pulp&paper),
Felix Sandvik in Sandviken

Standard colour chart



Goosewing Grey 222



Beige 326



Mid Grey 280



Emerald Green 740



Yellow Grey 217



Yellow 340



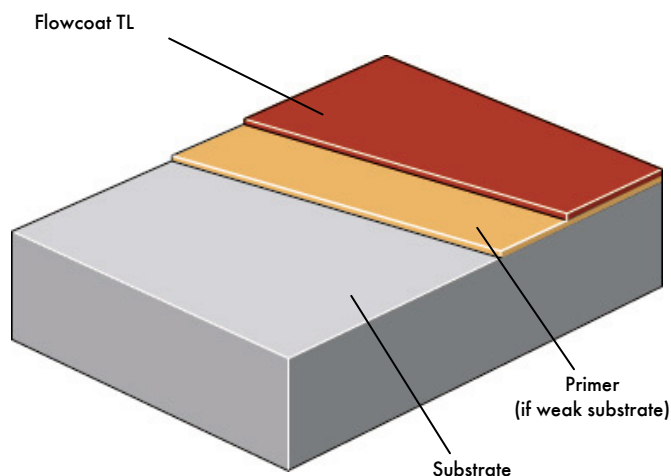
Tile Red 637



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.
Special corporate colours and designs can be produced to special order.

System Design



Model Specification

Product: Flowcoat TL

Finish: Gloss

Thickness: 0.5 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 TL (density 1.33 kg/l)

1st Coat @ 0.3 kg/m²

2nd Coat @ 0.3 kg/m²

Coverage rates will vary with surface profile and temperature.

Non-slip finishes: Various grades of quartz 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.

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 colorants, medical disinfectants etc.) and plasticizer migration (e.g. from rubber tyres) can lead to irreversible discoloration in the sealer. Please contact our Technical Services Department for further advice.

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
Impact Resistance	6 Nm	EN ISO 6272
Wear Resistance	Abrasion quantity < 0.1 cm ³	EN 13892-5
	Weight loss < 200 mg	EN ISO 5470-1
	"Taber abrader" H22 wheels, 1000 cycles, load 1kg	
Bond Strength	> 2.5 N/mm ²	EN 1542
Capillary absorption + permeability to water	0.001 kg/m ² x h ^{0.5}	EN 1062-3
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
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	

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

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.

Complies with BS 8204-6/FeRFA type 3.

Speed of Cure

	10 °C	20 °C	30 °C
Light traffic	48 hrs	15 hrs	12 hrs
Full traffic	72 hrs	48 hrs	40 hrs
Full chemical cure	12 days	5 - 7 days	5 - 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.