

## Flowshield LXP (1.5 mm)



### Description

A two pack, solvent free, flexible polyurethane topping applied at 1.5 mm.

### Uses

For use over asphalt, wood, steel and concrete; to provide a flexible, easy to clean, chemical resistant floor topping. Typical uses are process, manufacturing, packaging and warehousing areas subjected to heavy foot and pallet truck traffic & where a degree of flexing of the floor is expected.

### Benefits

- Seamless finish (except for underlying slab joints)
- Excellent chemical resistance to sugars & acids
- Easy to clean & sterilise, low maintenance requirement
- Flexible, can be used over asphalt, wood & steel
- High abrasion resistance
- Solvent free; low odour

### Standard colour chart



Goosewing Grey 222



Beige 326



Mid Grey 280



Forest Green 754



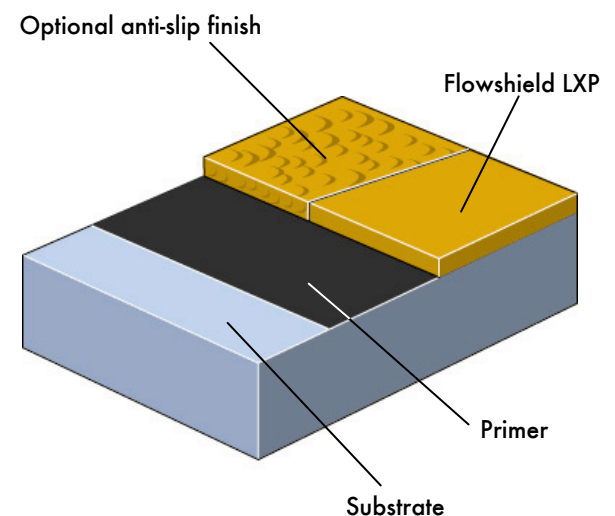
Dark Grey 281



Tile Red 637

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: Flowshield LXP

Finish:

Thickness: 1.5 mm

Colour: \_\_\_\_\_

Preparatory work and application in accordance with suppliers instructions.

Supplier: Flowcrete UK Limited

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

## Substrate Requirements

Concrete or screed substrate should be a minimum of 25N/mm<sup>2</sup>, free from laitance, dust and other contamination. The substrate should be dry to 75% RH as per BS 8204 and free from rising damp and ground water pressure. If no damp proof membrane is present Hydraseal DPM can be incorporated directly beneath the Flowshield system.

## Products Included in this System

### Primer:

- Concrete: Flowprime LXP @ 0.3 kg/m<sup>2</sup> - (Porous substrate may require 2 coats)
- Steel: Peran Primer W @ 0.25 kg/m<sup>2</sup>
- Wood: Flowprime LXP @ 0.3 kg/m<sup>2</sup>
- Asphalt: Flowprime LXP @ 0.3 kg/m<sup>2</sup> - (Porous substrate may require 2 coats)

**Topping:** Flowshield LXP (density 1.5 kg/l) @ 2.3 kg/m<sup>2</sup> for 1.5 mm

For slip resistant dressings, please consult our Technical Advisors.

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](http://www.flowcrete.co.uk)

## Note

Flowshield LXP is not 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 light colours and blues but does not compromise the product's flexibility 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.

## 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.

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Flowcrete UK Ltd is an RPM company

## 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 <sub>FL</sub> - s1	EN 13501-1
Wear Resistance	Weight loss <100 mg	EN ISO 5470-1
	"Taber Abrader" with H22 wheel, 1000 cycles, 1 kg load	
Surface Hardness	65 (Shore D)	ASTM D2240
Bond Strength	2.0 N/mm <sup>2</sup>	EN 1542
Impact Resistance	13 Nm	EN ISO 6272
Capillary absorption & permeability to water	0.001 kg/m <sup>2</sup> x h <sup>0.5</sup>	EN 1062-3
Temperature Resistance	Tolerant of sustained temperatures up to 60 °C	
Chemical Resistance	Contact Technical Department	
Flexural Strength	>15 N/mm <sup>2</sup>	EN 13892-2
Tensile Strength	>10 N/mm <sup>2</sup>	BS 6319-7
Elongation at break	60%	BS 6319
Tear strength	11 MPa	BS 6319
Toxicity (when cured)	Taint free to sensitive foodstuffs.	
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 5.

## Speed of Cure

	10 °C	20 °C	30 °C
Light traffic	36 hrs	24 hrs	12 hrs
Full traffic	72 hrs	48 hrs	24 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.

Model Specification written for Flowcrete UK Ltd.  
Please consult Technical Team in own country region for specific details.

[www.flowcrete.co.uk](http://www.flowcrete.co.uk)