

## Flowshield LXP HD (2 - 3 mm)



### Description

A three pack, solvent free, flexible polyurethane topping applied between 2mm and 3mm.

### Uses

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

### Benefits

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

### Standard colour chart



Goosewing Grey 222



Tile Red 637



Mid Grey 280



Emerald Green 740



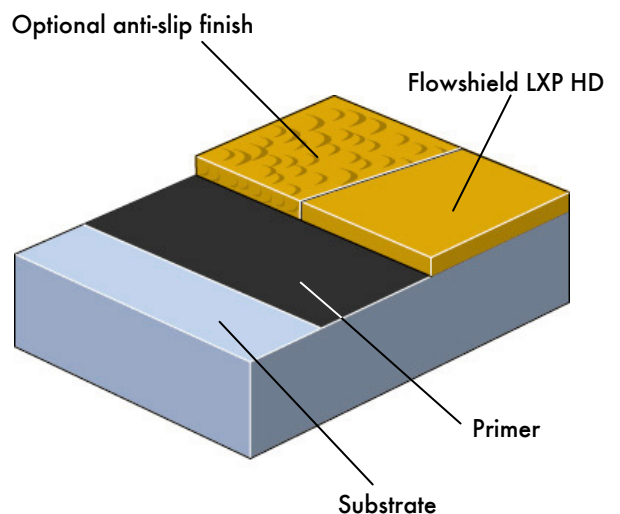
Beige 326



Yellow 340

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 HD

Finish:

Thickness: 2 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/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 HD (density 1.8 kg/l) @ 3.6 kg/m<sup>2</sup> for 2 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.com](http://www.flowcrete.com)

## Life Expectancy

5 - 10 years, dependant on thickness and subject to correct maintenance regime.

Flowshield LXP HD 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.

## Focus on the Floorzone

Flowcrete Group plc are world 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 BS 476:Part 7  
Surface spread of flame: Class 2

Slip Resistance TRRL Pendulum Slip Test  
Dry 74 Wet 23

Slip values are given as a guide only.

Final slip value achieved will depend on the application method and specification.

Temperature Resistance	Tolerant up to 60°C
Water Permeability	Nil - Karsten test (impermeable)
Surface Hardness	70 (Shore D)
Chemical Resistance	Go to <a href="http://www.flowcrete.com">www.flowcrete.com</a>
Abrasion Resistance BS 8204-2	Class AR2 - Medium duty industrial and commercial.
Flexural Strength	> 20 N/mm <sup>2</sup> (BS 6319)
Tensile Strength	> 15 N/mm <sup>2</sup> (BS 6319)
Elongation at break	30% (BS 6319)
Tear strength	11 MPa (BS 6319)
Bond Strength	Greater than cohesive strength of 25N/mm <sup>2</sup> concrete. >1.5 MPa.

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.

## 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.

## 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.