

## Flowshield LXP (1.5 mm)

A solvent free, high performance, flexible polyurethane coating system for use on substrates such as concrete, wood, metal and asphalt.

Typically used in manufacturing or packaging areas subject to heavy foot and pallet truck traffic.



### Flexible:

Provides a degree of flexibility to allow application onto alternative substrates.



### High Impact Resistance

Offers excellent protection against dropped items and heavy loads.



### Solvent Free:

Solvent free, low in VOCs and environmentally friendly.



### Hygienic & Easy to Clean:

The seamless and gloss finish allows the system to be cleaned easily.



### Chemical Resistance:

Protects against a range of chemicals used in manufacturing processes.



Forest Green



Tile Red



Ocean Blue



Goosewing Grey



Warm Grey



Dark Grey

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



## Technical Profile\*

FIRE RESISTANCE			
EN 13501-1	B <sub>n</sub> - s1		
SLIP RESISTANCE**			
Method described in BS 7976-2 (typical values for 4-S rubber slider)	Dry >40, Wet depends on specification (in accordance with HSE and UKSRG guidelines)		
THERMAL RESISTANCE			
Tolerant up to 60°C			
WATER PERMEABILITY			
Nil – Karsten test (impermeable)			
CHEMICAL RESISTANCE			
Contact technical department			
SURFACE HARDNESS			
65 (Shore D)			
ABRASION RESISTANCE			
BS 8204-2	Grade AR2 Medium Duty Industrial and Commercial		
FLEXURAL STRENGTH			
BS 6319	> 15 N/mm <sup>2</sup>		
TENSILE STRENGTH			
BS 6319	> 10 N/mm <sup>2</sup>		
BOND STRENGTH			
Greater than cohesive strength of 25 N/mm <sup>2</sup> concrete. > 1.5 MPa			
ELONGATION AT BREAK			
BS 6319	60%		
TEAR STRENGTH			
BS 6319	11 MPa		
SPEED OF CURE			
	10 °C	20 °C	30 °C
Light Traffic	36 h	24 h	12 h
Full Traffic	72 h	48 h	24 h
Full Chemical Cure	12 d	7 d	6 d

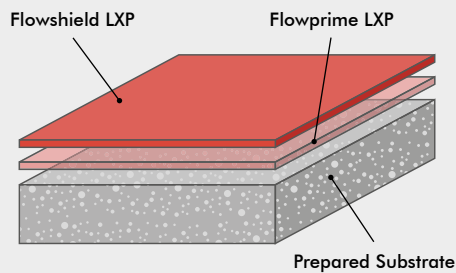
\* These figures are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity. \*\*The slipperiness of flooring materials can change significantly, due to the installation process, after short periods of use, due to inappropriate maintenance, longer-term wear and/or surface 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 Advisors for further details and specifications.

## Model Specification

<b>System</b>	Flowshield LXP
<b>Finish</b>	Gloss
<b>Thickness</b>	1.5mm
<b>Manufacturer</b>	Flowcrete Asia

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

## System Design



## Products Included In This System

<b>Primer (Concrete, Wood, Asphalt)</b>	Flowprime LXP (Porous substrate may require 2 coats)
<b>Primer (Steel)</b>	Flowprime Steel Primer
<b>Finishing Coat</b>	Flowcoat LXP

For slip resistant textures, please consult our Technical Advisors.

Detailed application instructions are available upon request.

## 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 up to 75% RH as per BS8204 and free from rising damp and ground water pressure.

## Installation Service

The installation should be carried out by a licensed contractor with a documented quality assurance scheme. For details of our licensed contractors, contact our customer service team or enquire via our website at [www.flowcreteasia.com](http://www.flowcreteasia.com)

## 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.

## Aftercare, Cleaning & Maintenance

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

## Important Note

Flowcrete 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.

## Further Information

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

1. Light colours may require additional coats to achieve desired results 2. It is recommended that top coat colours are close to base coats colours to achieve desired results  
3. This product is not UV stable and may discolour unless otherwise stated 4. System Data Sheet to be read in conjunction with Method Statement and Product data Sheets.