

Flowshield LXP HD (2 – 3 mm)



Standard Colour Chart



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.

Description

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

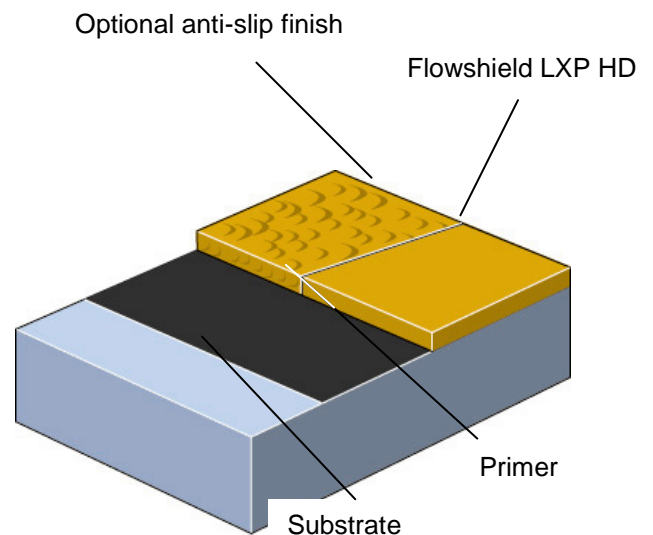
Uses

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.

System Design



Model Specification

Product: Flowshield LXP HD
Finish:
Thickness: 2 mm
Colour:
Manufacturer: Flowcrete India Pvt Ltd
Telephone: Customer Service - +91 44 4202 9831
Preparatory work and application in accordance with manufacturer's instructions.

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 upto 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/m² -
(Porous substrate may require 2 coats)
Steel: Flowprime Steel Primer W @ 0.25
kg/m²
Wood: Flowprime LXP @ 0.3 kg/m²
Asphalt: Flowprime LXP @ 0.3 kg/m² -
(Porous substrate may require 2 coats)

Topping: Flowshield LXP HD (density 1.8 kg/l)
@ 3.6 kg/m² 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 applicator with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our web site at www.flowcrete.in.

Note

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 India Pvt Ltd is a division of the Flowcrete Group, 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 and corrosion protection systems... to name just a few. Our corporate objective is to satisfy your flooring needs.

Technical Information

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

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.

Temperature Resistance **Tolerant up to 60 °C**
Water Permeability Nil - Karsten test (**impermeable**)
Surface Hardness **70 (Shore D)**
Chemical Resistance Contact Technical Department
Abrasion Resistance **Class AR2 - Medium duty industrial and commercial.**
BS 8204-2
Flexural Strength **> 20 N/mm² (BS 6319)**
Tensile Strength **> 15 N/mm² (BS 6319)**
Elongation at break **30% (BS 6319)**
Tear strength **11 MPa (BS 6319)**
Bond Strength Greater than cohesive strength of 25N/mm² 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 the 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.