

FLOWSHIELD LXP HD

A three pack, solvent free, flexible polyurethane topping applied between 2 mm and 4 mm.

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 and hygienic finish, no crevices where dirt and bacteria can dwell.
- ✓ 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.

Coverage

3.6 kg/m² at 2 mm
7.2kg/m² at 4 mm

Packaging

20 kg packs, consisting of Base A, Hardener B and Filler C.

Colours

Available in a range of standard colours.

Standard Range:-

Goosewing Grey	00A05
Mid Grey	00A09
Tile Red	04D44
Forest Green	14E53

The nearest BS 4800 reference is given as a guide only.

Flowshield LXP HD is not colour stable and may discolour on ageing, this is more noticeable in light colours. This will not impair its flexibility or chemical resistance.

Batch to batch colour variation may occur. Ensure that materials for final application are always drawn from the same batch.

Where colour matching is required over more than one order or delivery, Flowcrete Technical department must be contacted prior to placing the order(s) and the requirement stated clearly on all orders relating to the project(s).

SPECIFICATION

Surface preparation

Totally enclosed light shot blasting, light scarification or power grinding. All residues must be removed to provide a dry, dust free open textured surface.

Priming

Concrete One coat Flowprime LXP.

Porous substrate may require two coats.

Note: Uneven floors may also require a scratch coat of Flowprime LXP, using dry 60's mesh silica sand in the ratio 2:1 (LXP:sand), prior to the final Flowshield LXP application.

Asphalt: Not required
Steel: Flowprime W.
Wood: Flowprime LXP.

Mixing

Pack components are pre-weighed for optimum performance. Never split or proportion packs. Do not mix by hand.

Add Hardener B to Base A container. Mix with a slow speed drill and helical spinner head for 2 minutes, taking care not to entrain air. Transfer to another container

and re-mix. Add Component C in stages mixing well prior to each addition.

Application

Spread Flowshield LXP HD to the required thickness using a notched trowel. Immediately after spreading, Flowshield LXP HD should be rolled with a spiked roller to remove air bubbles.

Abrasion Resistant Dressings

If required, abrasion resistant dressings should be applied one hour (at 20°C) after Flowshield LXP HD application (timing is subject to the ambient temperatures).

Grain size can be selected to suit the clients needs. The most common dressing is 70's mesh white Alox (Aluminium oxide) or black Silicon Carbide.

Coverage

Light scatter - 0.1 kg/m²
Medium scatter - 0.25 kg/m²

Tool Cleaning

Clean with Flowsolve cleaner before the product has cured.

General Specification

Flowshield LXP HD polyurethane topping to be supplied by **Flowcrete Specialist Flooring**, Sandbach, Cheshire

Installation by an applicator trained and approved by Flowcrete Group plc.



Physical Properties

	<u>10°C</u>	<u>20°C</u>
Pot Life	60 min	45 min
Tack free time	12 hrs	6 hrs
Light Traffic	36 hrs	24 hrs
Full traffic	72 hrs	48 hrs

without non-slip dressing:-

Elongation at break	30% approx.
Tensile strength	> 15 N/mm ²
Tear strength	11 MPa approx.
Hardness	70 (Shore D)
Density	1.70 kg/litre

Health & Safety

Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health & Safety Data Sheets, available from Flowcrete on request and sent with each delivery.

Further information

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements.

Flowcrete have a wealth of technical and practical experience built up over many years in our pursuit of excellence in flooring and concrete technology. Clients are welcome to call our Technical Desk or visit our Technology Centre in Sandbach.

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 may be obtained on request. Whilst Flowcrete endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, it cannot - because it has no direct or continuous control over where or how its products are applied - accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.

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