

Flowshield LXP



A solvent free, flexible, polyurethane floor coating system that withstands a demanding industrial environment.



Flexible Application:

Can be installed on a variety of substrates including concrete, wood and steel



Crack Bridging:

30% elongation providing crack bridging properties



Wear Resistant:

Excellent abrasion, impact and wear resistance in high traffic areas



Chemical Resistance:

Protects against a range of acids, alkalis, solvents, alcohol and fuel

Technical Information¹

REACTION TO FIRE			
B _f -s1	EN 13501-1		
SLIP RESISTANCE ²			
Dry > 40	EN 13036-4		
TEMPERATURE RESISTANCE			
Tolerant up to +60°C			
WATER PERMEABILITY			
Karsten test - Nil (Impermeable)			
SURFACE HARDNESS			
65 (Shore'a scale)	ASTM D2240		
WEAR RESISTANCE			
RWA1	EN 13892-5		
FLEXURAL STRENGTH			
> 35 N/ mm ²	EN 13892-2		
TENSILE STRENGTH			
> 10 N/ mm ²	BS 6319		
IMPACT RESISTANCE			
IR13	EN ISO 6272-1		
BOND STRENGTH			
≥ 2,0 MPa	EN 1542		
RELATIVE ELONGATION AT BREAK			
60%	BS 6319		
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

Standard colour chart



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

¹ The figures in the table beside are typical properties achieved in laboratory tests – these results may vary depending on the conditions on the installation site. ² The final anti-slip properties of the floor are influenced by the application method, the size and shape of the aggregate used for the topcoat (aggregate recommendations available from Flowcrete Polska), the degree of abrasion, maintenance and the nature the dirt.

Model Specification

System:	Flowshield LXP
Finish:	Gloss
Thickness:	0,7–3,0 mm
Colour:	According to the catalog
Producer:	Flowcrete Group Ltd
Supplier:	Flowcrete Polska Sp. z o.o.
Telephone:	+48 22 879 89 07

Installation Service

The installation should be carried out by a Flowcrete approved contractors with a documented quality assurance scheme. Obtain details of our approved contractors by contacting Flowcrete Polska or enquiring via our website at www.flowcrete.com.pl.

Products Included in this System³

Primer	
Concrete:	Protop 1000 or Deckshield SF
Steel:	Peran Primer W
Wood:	Flowprime LXP
Asphalt concrete:	Not required
Main layer:	Flowshield LXP ⁴
Matt finish (optionally):	Flowseal PU Satin/Matt/Matt (Ultra)

³ If other resins are used contact Flowcrete Polska for further details.

⁴ Flowshield LXP and Peran SL-C are used for a system thickness ≥ 2.0 mm.

Detailed application instructions are available upon request.

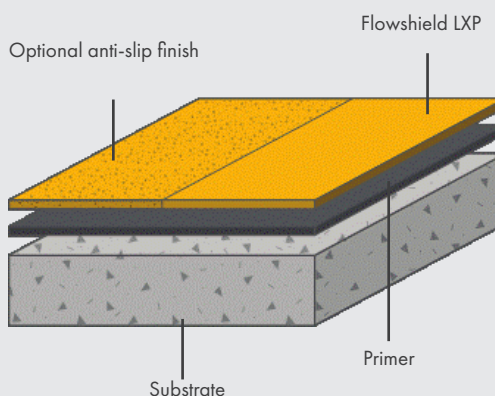
Substrate Requirements

Concrete or screed substrate should be class min. C20/25, a minimum bond strength of 1,5 MPa (pull-off test), surface even, clean, free from laitance, dust and other contamination. All damages in the substrate should be repaired prior to applying the flooring. The substrate should be dry up to 75% RH as per BS 8204 (5% humidity measured by the Tramex method) and free from rising damp and ground water pressure. In case of higher humidity, one should use Hydraseal DPM as primer. Details to be found in the *Flowcrete Resin Flooring Substrate Requirements*.

Aftercare – Cleaning and Maintenance

Clean regularly manually or using a machine in conjunction with a mildly alkaline detergent. Flowcrete Flooring Cleaning Instruction available upon request.

System Design



Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless, impermeable surface with perfect adhesion to the substrate reduce the need for repairs and maintenance.

Complies with LEED EQ Credit 4.2. requirements: VOC content < 10 g/l.

Technical information, recommendations and instructions concerning the product use, storage and maintenance included in this System Data Sheet are based on Flowcrete Polska Sp. z o.o. (further related as „Flowcrete”) knowledge and experience, reflecting the best acknowledged way of using the material for a given moment. Taking into consideration other factors that are beyond the producer’s control, including differences in quality of substrates, tools and other complementary materials, weather conditions, proper installation and also cleaning and maintenance, Flowcrete cannot take responsibility in case of failure to conform with information and instructions included in this System Data Sheet or, respectively, written recommendations from authorized Flowcrete representatives. One should always conform with up-to-date norms and building principles, and also safety, hygiene and health protection rules according to the information included in Material Safety Data Sheets and also on the products packaging. This System Data Sheet replaces all previous versions. In order to receive up-to-date System Data Sheets contact Flowcrete Polska

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