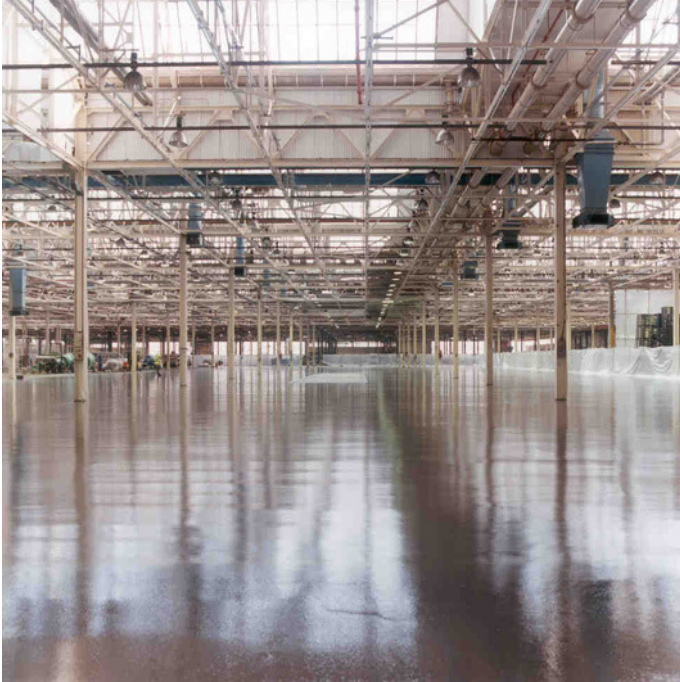


Flowscreed Industrial Top



Description

A fast drying, pump applied, cement-based floor topping for fast track renovation of concrete floors.

Uses

Fast track renovation of floors in warehouses, production zones, aircraft hangers, automotive process lines and other areas where a hardwearing level floor is needed. Is laid at 3 – 15mm, however an 8 mm average thickness is a typical expectation on a reasonably level base.

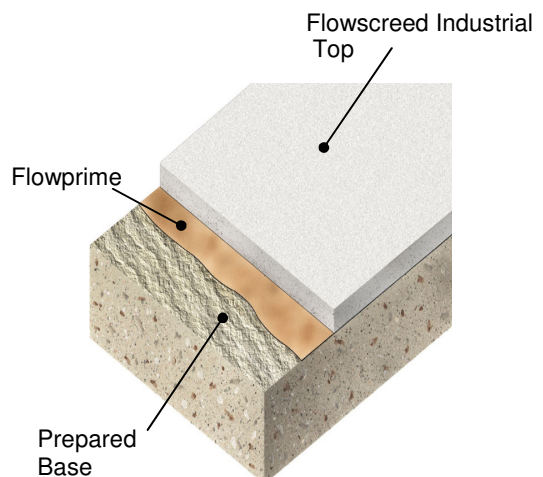
Benefits

- Fast track floor refurbishment.
- Strong durable floor topping.
- Self levelling.
- Rapid installation – 2000m² per day under suitable conditions.
- Rapid setting – walk on after 2- 4 hours under suitable conditions.
- Fast drying – install floor finishes after 24 hours dependent on thickness, ambient temperatures and humidity.
- Single pack
- Protein free – will not harbour bacteria.

Project References

Bentley and Rolls-Royce automotive production lines; Flenders AG, Germany; Fyffes; Jaguar; Perkins Engines; Polyone; Tesco Warehouses; Vauxhall.

System Design



Model Specification

Product: Flowscreed Industrial Top
Thickness: 3 – 15 mm

Preparatory work and application in accordance with supplier'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 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 Flowscreed Industrial Top system, enabling the immediate installation of floor finishes once the screed has dried.

Products Included in this System

Primer: Flowprime @ 0.25 kg/m² with full blind of 1 – 2 mm dry silica sand @ 2.0kg/m²

Or If a dpm is required and on a concrete base with moisture content above 75%:

DPM: Hydraseal DPM @ 0.5 kg/m²

Sand scatter:

Silica Sand grade 10/16 (1–1.7mm) @ 2 kg/m²

Or in areas of light pedestrian traffic and whenever overlaying Isocrete Self Level Base:

Isocrete Primer @ 0.1kg/m²

Topping:

Flowscreed Industrial Top @ 17.8kg/m² for 10mm

Resin Topping: See relevant Flowcrete datasheets.

Detailed application instructions are available upon request.

Protection on Completion

Ensure the screed is not subject to draughts during the first 6 hours of curing as this may lead to cracking and crazing. Tape up doorways with polythene to prevent air movement. Prevent contamination by following trades, e.g. plastering, including water spillage.

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.

Drying time

Floor finishes can be applied after 24 hours – dependent on thickness and ambient conditions (20°C, 50% RH). After 6 hours curing without draughts, ensure the area has sufficient ventilation to allow the screed to dry.

Technical Information

The figures that follow are typical properties achieved in laboratory tests at 20 °C and at 50% Relative Humidity.

Fire Resistance:	BS 476-7: Spread of flame: Class 1
Impact Resistance:	BS8204 – 1 CAT: A
Temperature Resistance:	50 °C max
Abrasion Resistance:	BS8204-2: Class AR2/WS
Compressive Strength:	
28 days	30 N/mm ² (BS EN 196)
Flexural Strength:	
28 days	9 N/mm ² (BS EN 196)
Adhesion to C30 concrete:	
28 days	> 1 N/mm ²
Shrinkage:	< 0.06 %
Maximum Particle Size:	1 mm
Protein Content:	Nil
Thickness:	5 – 15 mm (in one operation)
Laying Temp:	5 – 25 °C
Flow Ring :	230 – 250 mm
(65mm diam x 40mm high)	
Mix Ratio per 25 kg:	6 – 6.2ℓ water

Speed of Cure

	10°C	20°C
Light traffic	4-8 hrs	2-4 hrs
Full traffic	7 days	7 days
Following trades	1 day	1 day

Focus on the Floor-zone

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.

Important Note

Flowcrete's products are guaranteed against defective materials and the finished product.

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.

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