

Flowshield PU (2 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

Flowshield PU is a pigmented 2mm self-smoothing chemical resistant polyurethane resin floor finish.

Typical Use

Ideal for areas requiring chemical resistance, long term durability and impact resistance. Typical uses include vehicle workshops, engineering factories and garages.

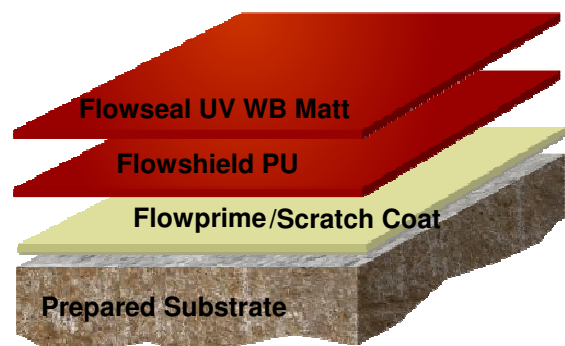
Benefits

- Good chemical resistance
- Easy to clean and sterilise
- Non-tainting, non-dusting
- High abrasion resistance
- Low odour during application
- Fast return to service
- UV light stable grade is available

Project References

Toyota Service Centres, Voith Paper, Glomed Pharmaceutical, ABB.

Typical System Design



Model Specification

Product: Flowshield PU
Finish: Matt
Thickness: 2mm
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 BS8204 and free from rising damp and ground water pressure.

Products Included in this System

Flowprime/Scratch Coat
Flowshield PU A & B
Flowshield PU Filler C
Flowseal UV (WB) Matt

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.

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.

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.

Colour Stability

Flowshield PU 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 chemical resistance or physical characteristics.

Technical Information

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

Fire Resistance	BS476 Part 7 Spread of Flame: Class 2 (Indicative)
Slip Resistance	BS6677:Part 1 1986 Pendulum Slip Test Dry 70 Wet 25
Impact Resistance	BS8204 Part1 Cat: A (<0.5mm) ISO6272 1 kg weight >1.8m 2 kg weight >1.5m
Temperature Resistance	-5°C up to 60°C
Water Permeability	Nil-Karsten Test (impermeable)
Chemical Resistance	Contact Technical Department Excellent resistance to sugars and most acids (organic and inorganic)
Abrasion Resistance	Taber Abrader: 0.1g loss per 1000 cycles (1kg load using CS17 wheels)
Compressive Strength	50 N/mm² (BS6319)
Flexural Strength	20 N/mm² (BS6319)
Tensile Strength	12 N/mm² (BS6319)
Bond Strength	Greater than cohesive strength of 25N/mm ² concrete. >1.5 MPa.

Speed of Cure

	10 °C	20 °C	30 °C
Light traffic	36 hrs	24 hrs	12hrs
Full traffic	72 hrs	48 hrs	24hrs
Full chemical cure	10 days	7 days	6 days

Aftercare - Cleaning and Maintenance

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

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.