

## Flowshield PU (2 mm)

A 2mm pigmented, self smoothing polyurethane floor finish that has a good level of chemical resistance for industrial environments.

Typically used in vehicle workshops & engineering factories where high durability is required.



### Chemical Resistance:

Protects against a range of chemicals used in industrial processes.



### High Impact Resistance

Offers excellent protection against dropped items and heavy loads.



### Hard-Wearing:

Hard-wearing & abrasion resistant suitable for medium to heavy traffic.



### Hygienic & Easy to Clean:

The seamless and gloss finish allows the system to be cleaned easily.



### Low Odour:

Low odour during application for greater client satisfaction.



Rich Cream

Warm Buff

Clay

Coral Red



Shamrock Green

Blue

Ash Grey

Pewter Grey

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



## Technical Profile\*

### FIRE RESISTANCE

EN 13501-1

B<sub>1</sub> - s1

### SLIP RESISTANCE\*\*

Method described in BS 7976-2 (typical values for 4-S rubber slider)

Dry > 40, Wet depends on specification (in accordance with HSE and UKSRG guidelines)

### THERMAL RESISTANCE

Tolerant from -5°C to 60°C

### WATER PERMEABILITY

Nil - Karsten test (impermeable)

### CHEMICAL RESISTANCE

Contact technical department

### ABRASION RESISTANCE

Taber Abrader (1kg load using CS17 wheels)

0.1g loss per 1000 cycles

### IMPACT RESISTANCE

EN ISO 6272

15 Nm

### COMPRESSIVE STRENGTH

EN 13892-2

> 50 N/mm<sup>2</sup>

### FLEXURAL STRENGTH

EN 13892-2

20 N/mm<sup>2</sup>

### TENSILE STRENGTH

BS 6319

12 N/mm<sup>2</sup>

### BOND STRENGTH

Greater than cohesive strength of 25 N/mm<sup>2</sup> concrete. > 1.5 MPa

### SPEED OF CURE

10 °C

20 °C

30 °C

Light Traffic

36 h

24 h

12 h

Full Traffic

72 h

48 h

24 h

Full Chemical Cure

12 d

7 d

6 d

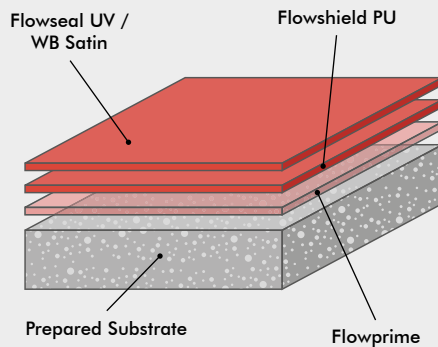
\* These figures are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity. \*\* The slipperiness of flooring materials can change significantly, due to the installation process, after short periods of use, due to inappropriate maintenance, longer-term wear and/or surface 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.

## Model Specification

<b>System</b>	Flowshield PU
<b>Finish</b>	Satin
<b>Thickness</b>	2 mm
<b>Manufacturer</b>	Flowcrete Asia

Preparatory work and application in accordance with manufacturer's instructions.

## System Design



## Products Included In This System

<b>Primer</b>	Flowprime
<b>Body Coat</b>	Flowshield PU*
<b>Finishing Coat</b>	Flowseal UV / WB Satin

\*Consists of:

Flowshield PU A & B  
Flowshield PU Filler C

Detailed application instructions are available upon request.

## Substrate Requirements

Concrete or screed substrate should be a minimum of 25N/mm<sup>2</sup>, free from laitance, dust and other contamination. The substrate should be dry up to 75% RH as per BS8204 and free from rising damp and ground water pressure.

## Installation Service

The installation should be carried out by a licensed contractor with a documented quality assurance scheme. For details of our licensed contractors, contact our customer service team or enquire via our website at [www.flowcreteasia.com](http://www.flowcreteasia.com)

## 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 manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

## Aftercare, Cleaning & Maintenance

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

## Important Note

Flowcrete products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages.

## Further Information

To ensure you are specifying a fit-for-purpose floor, please consult our Technical Advisors or visit our website to register your interest in specifying one of the most durable floors on the market.

1. Light colours may require additional coats to achieve desired results 2. It is recommended that top coat colours are close to base coats colours to achieve desired results  
3. This product is not UV stable and may discolour unless otherwise stated 4. System Data Sheet to be read in conjunction with Method Statement and Product data Sheets.