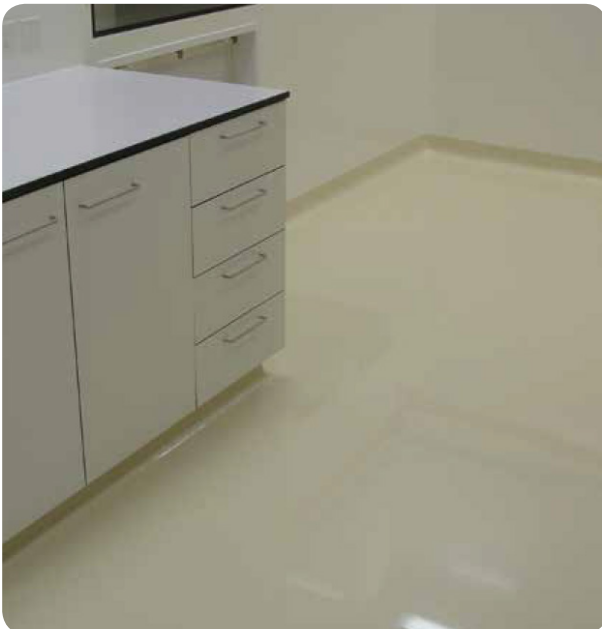


## Flowshield SL

Hygienic gloss self smoothing resin floor finish compliant with CSM® (Cleanroom Suitable Materials) requirements.



**Easy to clean and maintain:**  
Typical uses include cleanrooms, laboratories, warehouses and storage areas in pharmaceutical, electronic, aerospace, automotive and printing plants

**Biological resistance :**  
Excellent biological resistance in accordance with ISO 846; inert and fungistatic

**Particle Emission:**  
Particle release under frictional stress is compliant with the air cleanliness requirements of ISO Class 4 cleanrooms according to ISO 14644-1

**Environmentally Friendly:**  
Emissions of VOC at 23°C are not exceeding the limiting values for ISO-ACCm Class-8.7 according to ISO 14664-8

### Technical Information<sup>1</sup>

<b>REACTION TO FIRE</b>	
B <sub>f</sub> -s1	EN 13501-1
<b>SLIP RESISTANCE<sup>2</sup></b>	
Dry > 40, low slip potential	EN 13036-4
<b>TEMPERATURE RESISTANCE</b>	
Tolerant up to 60°C	
<b>WATER PERMEABILITY</b>	
Karsten test - Nil (Impermeable)	
<b>ABRASION RESISTANCE:</b>	
Class AR2	EN 13892-4
<b>COMPRESSIVE STRENGTH</b>	
55 N/mm <sup>2</sup>	BS 6319
<b>FLEXURAL STRENGTH</b>	
35 N/mm <sup>2</sup>	BS 6319
<b>TENSILE STRENGTH</b>	
25 N/mm <sup>2</sup>	BS 6319
<b>IMPACT RESISTANCE</b>	
IR15	EN ISO 6272-1
<b>BOND STRENGTH</b>	
B 2,7	EN 13813
<b>TOXICITY</b>	
Taint free to sensitive foodstuffs	
<b>BIOLOGICAL RESISTANCE</b>	
Excellent	ISO 846
<b>VOC (AT 23°C)</b>	
ISO-ACCm Class - 8.7	ISO 14644-8
<b>CLEANROOM AIR, CLEANLINESS CLASS</b>	
ISO-Class 4	ISO 14644-1

### Standard colour chart



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

## Model Specification

<b>System:</b>	Flowshield SL
<b>Finish:</b>	Gloss
<b>Thickness:</b>	Dependant on specification
<b>Colour:</b>	According to the catalog
<b>Producer:</b>	Flowcrete Group Ltd
<b>Supplier:</b>	Flowcrete Polska Sp. z o.o.
<b>Telephone:</b>	+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](http://www.flowcrete.com.pl).

## Products Included in this System<sup>3</sup>

<b>Primer:</b>	Peran STC
<b>Coating:</b>	Flowshield SL

<sup>3</sup> Optional Sealers are available to produce matt finish or enhance scratch resistance. Contact Flowcrete Polska for further details.

Detailed application instructions are available upon request.

## Speed of Cure

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

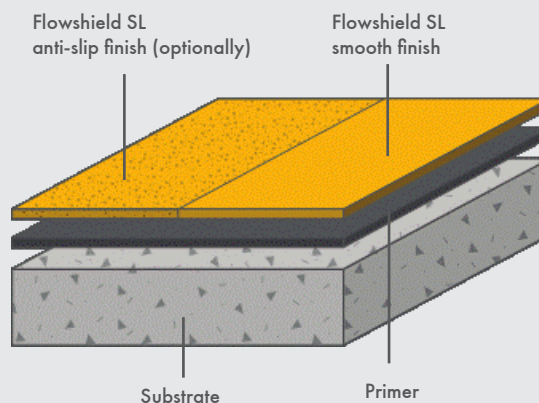
## Substrate Requirements

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% moisture content per weight) 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.

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

[25/01/18]

Flowcrete Central & Eastern Europe  
ul. Marywilska 34 03-228 Warsaw Poland  
Tel: +48 22 879 8907 Fax: +48 22 879 8918  
Email: [poland@flowcrete.com](mailto:poland@flowcrete.com)

[www.flowcrete.com.pl](http://www.flowcrete.com.pl)