

Flowshield SL (2-3mm)

A high-gloss, self-smoothing epoxy floor finish generally applied at 2-3mm and compliant with CSM® requirements.

Typically used in cleanrooms, laboratories, warehouses and storage areas.



- 
Hygienic & Easy to Clean:
 Hygienic and easy to clean, Non-tainting and non-dusting.
- 
CSM® Compliant:
 Compliant with CSM® (Cleanroom Suitable Materials) requirements.
- 
Attractive:
 Attractive finish enhances working environment.
- 
Resistant:
 Excellent biological resistance in accordance with ISO 846.



Technical Profile

FIRE RESISTANCE			
EN 13505-1	Bfl-s1		
SLIP RESISTANCE			
Method described in AS4586-2013	Dry & Wet Rating is dependant on specification (in accordance with AS4586-2013)		
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			
TEMPERATURE RESISTANCE			
Tolerant up to 60°C			
WATER PERMEABILITY			
Karsten Test	Nil (Impermeable)		
CLEANROOM AIR CLEANLINESS CLASS			
ISO 14644-1	ISO-Class 4		
BIOLOGICAL RESISTANCE			
ISO 846	Excellent		
TVOC			
ISO 14644-8	ISO-ACC _m Class -8.7 (at 23°C)		
BOND STRENGTH			
ASTM D4541 (Pull-Off Test)	> 1.5MPa*		
ABRASION RESISTANCE			
Taber Abrader BS8204-2	90mg loss per 1000 cycles 1kg load using CS17 wheels		
COMPRESSIVE STRENGTH			
EN 13892-2	>50 N/mm ²		
FLEXURAL STRENGTH			
EN 13892-2	>30 N/mm ²		
TENSILE STRENGTH			
BS6319	25 N/mm ²		
CHEMICAL RESISTANCE			
Contact Technical Department			
SPEED OF CURE**	10°C	20°C	30°C
Light Traffic	36 hrs	28 hrs	24 hrs
Full Traffic	72 hrs	48 hrs	36 hrs
Full Chemical Cure	12 days	7 days	6 days



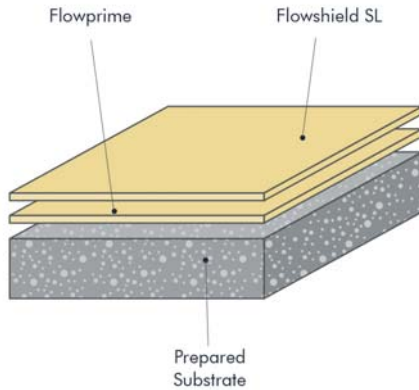
The applied colours may differ from the examples shown. For a full colour chart and samples, contact your local Flowcrete office.

Model Specification

System	Flowshield SL
Finish	Gloss
Thickness	Dependant on Specification
Manufacturer	Flowcrete
Contact	+61 7 3205 7115

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

System Design



*Assumes concrete compressive strength is greater than 25 N/mm²

Products Included In This System

Layer 1	Flowprime
Layer 2	Flowshield SL

Coving

Coving forms an integral part of the flooring system. It creates a sealed finish between the floor and wall joint. Please refer to Flowtex F1 Coving Mortar for further information.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitence, dust and other contamination. Substrate should be dry to 75% RH as per AS1884-2012. Must be free from rising ground moisture or must have an effective DPM in place.

Installation Service

The installation should be carried out by a experienced contractor with a documented quality assurance scheme. For details of our recommended contractors, contact your local Flowcrete office. Detailed application instructions are available upon request.

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 and maintenance. Environmental and health considerations are controlled during manufacture and application of the products by Flowcrete staff and fully trained application teams.

Aftercare, Cleaning & Maintenance

Please refer to Flowcrete Australia's current Cleaning and Maintenance Recommendations Guide.

Warranty

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. Please review warranty in detail before installing the products.