

Flowshield SL (2-3mm)



Description

Flowshield SL is a high-gloss, self-smoothing epoxy resin floor finish generally applied at 2-3mm and compliant with CSM® (Cleanroom Suitable Materials) requirements.

Uses

Dry process areas where the floor is subjected to foot, trolley, pallet truck and rubber wheeled forklift traffic. Typical uses include cleanrooms, laboratories, warehouses and storage areas in pharmaceutical, electronic, aerospace, automotive and printing plants.

Benefits

- Excellent biological resistance in accordance with ISO 846; inert and fungistatic
- Emissions of TVOC at 23°C are not exceeding the limiting values for ISO-ACC_m Class-8.7 according to ISO 14664-8
- Particle release under frictional stress is compliant with the air cleanliness requirements of ISO Class 4 cleanrooms according to ISO 14644-1
- Attractive; enhances working environment
- USDA/FDA compliant
- Hygienic and easy to clean
- Non-tainting and non-dusting
- Hard-wearing and abrasion resistant
- High chemical resistance grade available
- High chemical resistance grade available

Project References

Available on request.

Standard Colour Chart



Ivory



Yellow



Dark Red



Light Blue



Blue



Dark Green



Light Grey



Mid Grey

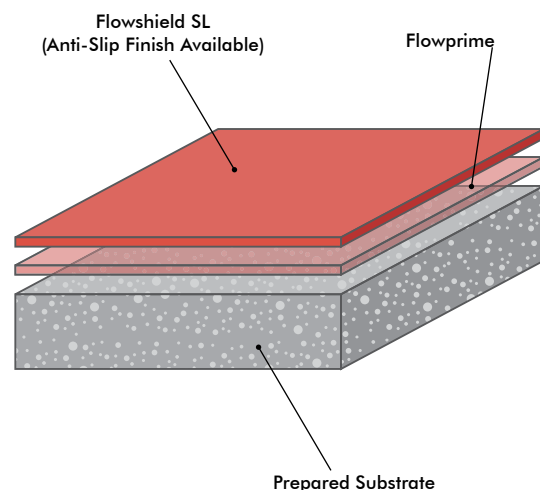


Dark Grey



Black

System Design



Model Specification

Product: Flowshield SL
 Finish: Gloss
 Thickness: Dependant on specification
 Colour: _____
 Preparatory work and application in accordance with suppliers instructions.
 Manufacturer: Flowcrete Middle East FZCO
 Telephone : Customer Service +971 4 886 4728

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 up to 75% RH as per BS8204 and free from rising damp and ground water pressure.

Products Included in this System

Flowprime
 Flowshield SL

Optional Sealers are available to produce matt finish or enhance scratch resistance. Contact Flowcrete for further details.

For slip resistant dressings, please consult our Technical Advisors.

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 website at www.flowcrete.ae

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.

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.

Technical Information

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

Fire Resistance	B _{FL} - s1 (EN 13501-1)
Slip Resistance	Dry > 40,
Method described in BS 7976-2 (typical values for 4-S rubber slider)	Wet depends on specifications (in accordance with HSE and UKSRG guidelines)

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.

Thermal Resistance	Tolerant up to 60°C
Water Permeability	Nil – Karsten test (impermeable)
Chemical Resistance	Contact Technical Department
Abrasion Resistance	Taber Abrader: 90 mg loss per 1000 cycles (1 kg load using CS17 wheels)

Compressive Strength	> 50 N/mm ² (EN 13892-2)
Flexural Strength	> 30 N/mm ² (EN 13892-2)
Tensile Strength	25 N/mm ² (BS6319)
Bond Strength	Greater than cohesive strength of 25 N/mm ² concrete. > 1.5 MPa

Toxicity	Taint free to sensitive foodstuffs
Biological Resistance	Excellent (ISO 846)
TVOC (at 23°C)	ISO-ACC _m Class -8.7 (ISO 14644-8)
Cleanroom Air	ISO-Class 4 (ISO 14644-1)
Cleanliness Class	

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

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.

Focus on the Floorzone

Flowcrete Middle East FZCO 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.

