

## Flowshield SL



### Description

An attractive, resilient, hard - wearing, self-smoothing, epoxy system with a smooth impervious seamless finish.

### Uses

Used in the food and beverage industry, hospitals and mortuaries, pharmaceutical industry, mines and collieries. Recommended for canteens and kitchens, ablutions, bottling and packaging halls.

### Benefits

- Attractive high gloss finish.
- Hygienic & easy to clean.
- Hard wearing.
- Abrasion resistant.
- High chemical resistant to most acids & alkalis.
- Quick installation & rapid cure.

### Project References

Nestle, Aspen, ABI, Unilever (Lever Ponds), Bromor Foods, Toyota, BMW

### Standard Colour Chart



Cream



Kalahari



Light Grey



Mid Grey



Slate Grey



Sky Blue



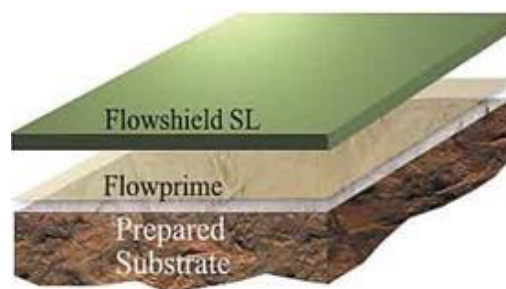
Green



Signal red

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.

### System Design



### Model Specification

Product: Flowshield SL  
Finish: Gloss or (matt with sealer)  
Thickness: 2 mm – 4 mm  
Colour: Various (as per colour chart)  
Manufacturer: Flowcrete SA (Pty) Ltd  
Telephone: Customer Service: +27 31 461 3411

### Preparatory work and application in accordance with supplier's instructions.

#### Substrate Requirements

Concrete or screed substrate should be a minimum of 20N/mm<sup>2</sup>, free from laitance, dust and other contamination. The substance should be free from rising damp and ground water pressure. If no damp membrane is present Flowcem DPM can be incorporated directly beneath the Flowshield SL system. The substrate should be dry to 75% RH as per BS8204 or less than 4%.

#### Priming

- Dense concrete or power trowelled screeds to be primed with Flowprime 303 solvent based primer after shot blasting.
- Porous surfaces to be primed with Flowprime. (Check if second primer coat is required).
- Uneven pitted surfaces may require the application of Flowshield SL scraper coat.

#### Installation Service

The installation should be carried out by a Flowcrete approved contractor, with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our web site [www.flowcretesa.co.za](http://www.flowcretesa.co.za).

#### 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.

#### Focus on the Floor-zone

Flowcrete Group are world leaders in specialist industrial and commercial flooring. Systems available include: under floor heating systems, floor screeds, surface damp proof membranes, decorative floor finishes, seamless terrazzo, car park deck waterproofing, tank lining systems... to name just a few. Our objective is to satisfy your Floorzone needs.

### 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 Surface spread of flame-class 2 (indicative)
Slip Resistance:	Dry 80 Wet 14 (BS7976-2)
Thermal Resistance:	Tolerant of sustained temp of 50 °C
Water permeability:	Nil
Surface Hardness:	Shone D 80
Chemical Resistance:	Consult technical dept
Abrasion Resistance:	BS8204-2 Class AR 2
Compressive Strength:	55mPa (BS6319)
Flexural Strength:	30mPa (BS6319)
Tensile Strength:	15mPa (BS6319)
Bond Strength:	Greater than cohesive strength of 25N/mm <sup>2</sup> concrete > 1.5mPa

#### Speed of Cure

	10°C	20°C	30°C
Light traffic	24hrs	12 hrs	8hrs
Full traffic	72hrs	24 hrs	14hrs
Full chemical cure	7 days	7 days	5 days

#### Aftercare - Cleaning and Maintenance

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

#### 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.

#### 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.