

## Flowfresh SL (2 mm)

A self-smoothing, medium duty, HACCP International certified, antimicrobial treated polyurethane resin floor finish.



### Polygiene®:

Contains a silver ion antimicrobial additive proven to inhibit the growth of most types of harmful bacteria.



### Chemical Resistant:

Excellent resistance to sugars and most acids (organic and inorganic).



### Wear Resistant:

Holds its own against impact, traffic and chemical attack.



### Easy to Clean:

Minimal surface joints make the surface easy to clean and sterilise.



Cream

Ochre

Mustard

Red



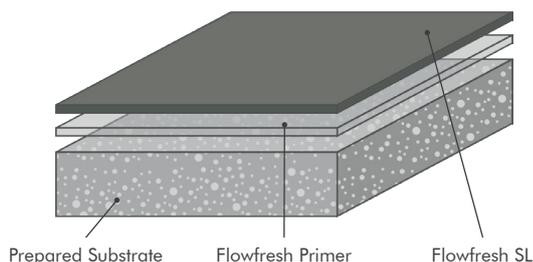
Dark Green

Dark Blue

Mid Grey

Dark Grey

The applied colours may differ from the examples shown. For a full colour chart and samples, contact your local Flowcrete office. Special corporate colours and designs can be produced to special order.



## Technical Profile\*

### FIRE RESISTANCE

|            |                     |
|------------|---------------------|
| EN 13501-1 | B <sub>fl</sub> -s1 |
|------------|---------------------|

### WEAR RESISTANCE

|            |                    |
|------------|--------------------|
| EN 13892-5 | <1 cm <sup>3</sup> |
|------------|--------------------|

### BOND STRENGTH

|            |                        |
|------------|------------------------|
| EN 13892-8 | >2.5 N/mm <sup>2</sup> |
|------------|------------------------|

### IMPACT RESISTANCE

|             |       |
|-------------|-------|
| EN ISO 6272 | 15 Nm |
|-------------|-------|

### TEMPERATURE RESISTANCE

Tolerant to intermittent spillages up to 60°C & Sustained dry heat from -20°C to 50°C.

### COEFFICIENT OF THERMAL EXPANSION

|           |                                 |
|-----------|---------------------------------|
| ASTM C531 | 5.70 x 10 <sup>-5</sup> mm/mm°C |
|-----------|---------------------------------|

### WATER PERMEABILITY

|              |                   |
|--------------|-------------------|
| Karsten Test | Nil (impermeable) |
|--------------|-------------------|

### SLIP RESISTANCE\*\*\* (in accordance with HSE & UKSRG guidelines)

|  |                               |
|--|-------------------------------|
| BS 7976-2 (typical values for 4-S rubber slider) | Dry >40<br>low slip potential |
|--|-------------------------------|

### 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 6319-7 | 10 N/mm <sup>2</sup> |
|-----------|----------------------|

### BS 8204-6 / FeRFA

Type 5

### SPEED OF CURE\*\*

|                    | 10°C    | 20°C   | 30°C   |
|--------------------|---------|--------|--------|
| Light Traffic      | 36 hrs  | 24 hrs | 12 hrs |
| Full Traffic       | 72 hrs  | 48 hrs | 24 hrs |
| Full Chemical Cure | 10 days | 7 days | 5 days |

\*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.

\*\*For applications falling outside of this temperature range, please contact your local Flowcrete Technical Department.

## Model Specification

|                |              |
|----------------|--------------|
| <b>Product</b> | Flowfresh SL |
| <b>Finish</b>  | Matte        |

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

## Products Included in This System

|                |  |
|----------------|--|
| <b>Primer</b>  | Flowprime @ 0.25 kg/m <sup>2</sup><br>OR, when a DPM is required:<br>Hydraseal DPM @ 0.5 kg/m <sup>2</sup> |
| <b>Topping</b> | Flowfresh SL (density 1.9 kg/l)<br>@ 3.8 kg/m <sup>2</sup> for 2mm   |

Notes: Flowfresh SL must always be applied onto a primed surface. Flowfresh SL is a self-sealing finish. Detailed application instructions are available upon request.

## Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm<sup>2</sup>, free from laitance, dust and other contamination. The substrate should be dry to 75% RH as per BS8203 and free from rising damp and ground water pressure. If no damp proof membrane is present Hydraseal DPM can be incorporated directly beneath the Flowfresh SL system.

## 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 website [www.flowcrete.co.uk](http://www.flowcrete.co.uk).

## Notes

Flowfresh SL is not colour fast and may change colour over time (exhibits a yellowing effect). Colour change depends on the UV light and heat levels present and hence the rate of change cannot be predicted. This is more noticeable in light colours and blues but does not compromise the product's flexibility or chemical resistance characteristics. We have endeavoured to adopt colours within our standard range which minimise this change. Intensively coloured products (e.g. hair colourants, medical disinfectants etc.) and plasticizer migration (e.g. from rubber tyres) can lead to irreversible discolouration in the surface. Please contact our Technical Services Department for further advice.

## Microbial / Fungal Resistance

The Polygiene® antimicrobial additive incorporated into Flowfresh SL provides control of most bacteria and fungi which come into contact with the floor.

|                                       |                       |
|---------------------------------------|-----------------------|
| <b>Antimicrobial Active Substance</b> | Silver biocide        |
| <b>Tested</b>                         | ISO 22196 / JIS Z2801 |

## 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.

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. Any suggested practices or installation specifications for the composite floor or wall system (as opposed to individual product performance specifications) included in this communication (or any other) from Flowcrete UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Flowcrete UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.

System Datasheet written for Flowcrete UK Ltd. Please consult Technical Team in your own country region for specific details. [11/07/19, 01 UK]