

## Flowfresh SL

A pigmented, self-smoothing, chemical resistant, polyurethane resin-based floor finish containing Polygiene® antimicrobial additives.

### Uses

Used as the base layer for the Flowfresh SR system or as a stand-alone floor finish. This will provide a hard-wearing, smooth or slip resistant, antimicrobial, chemically resistant coloured floor finish.

### Environment & Health

Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. For more information, please refer to the safety datasheets for the individual components.



#### Antimicrobial:

Polygiene® antimicrobial additive based on silver-ion technology.



#### Moisture Tolerant:

Provides high resistance against substrate moisture.



#### Application Method:

Application by steel trowel or pin rake.

### Packaging

The product is supplied in full units as A+B+C+Pigment packs.

Component	Single Pack	Six Pack
Base A	2.882kg	17.29kg
Hardener B	3kg	18kg
Filler C	11.938kg	71.63kg (6 Bags)
Pigment	0.2kg	1.2kg (Packaging Dependant on Colour)
Kit Size	18kg 10Ltr	108kg 60Ltr

### Standard Coverage Rates

3mm Thickness	5.4kg/m <sup>2</sup>	0.33m <sup>2</sup> /Ltr
4mm Thickness	7.2kg/m <sup>2</sup>	0.25m <sup>2</sup> /Ltr
7mm Thickness*	13.3kg/m <sup>2</sup>	0.14m <sup>2</sup> /Ltr
*When applied at 7mm, add 4-6kg of 1mm sand to the Flowfresh SL during mixing.		

### Curing Times (at 20°C)

Min Overcoating	6-8 hours
Max Overcoating	24 hours
Foot Traffic	24 hours
Vehicular Traffic	48 hours
Full Chemical Cure	7 days
*Full chemical resistance is achieved after 5-7 days. ** Do not cover or wash within the first 36 hours of curing.	

### Additional Information

VOC Content	32 g/L * Complies With Green Building Council of Australia Green Star Design & As Built V1.2-13.1.1B Green Star Interiors V1.2-12.1.1B
Density	Approx 1.8 kg/l (combined)
Finish	Smooth Matte Finish
Colour	Refer to Flowfresh SL TDS

## Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm<sup>2</sup>, free from laitance, dust and other contamination. Substrate should be dry to 95% RH as per ASTM F2170 (AS1884:2012). Slab on ground concrete must have an effective damp proof membrane in place.

## Surface Preparation

Surface preparation is to be completed by totally enclosed light shot blasting (please note this may leave track and blast lines which will not be covered) or diamond grinding to a minimum CSP4 prior to any coating application. For proper methods, refer to ICRI's Technical Guideline No. 03732. All cementitious laitance must be removed to expose a sound substrate and provide a dry, dust free, open textured surface. All hard to reach areas and areas around the perimeter must be prepared using hand held preparation equipment. Any damaged areas must be repaired with Flowtex F1 mortar. Consult Flowcrete prior to using an alternative repair mortar. Any rough or uneven areas must be made smooth with Flowcoat SC (Universal Resin Base A, Universal Hardener B, Sand/Flour).

## Storage

Time	12 Months in Unopened Packs. If longer than 12 Months consult Flowcrete.
Temperature	Storage temperature between 5°C and 35°C.
Protection	Should be stored inside and protected from frost, weather, moisture, direct sunlight and contamination ingress.

## Coving

Please refer to Flowtex F1 Coving Mortar for further information.

## Mixing

Pack components are pre-weighed for optimum performance. We recommend that you do not split or proportion packs, however, if supplied in bulk packaging this must be completed by weight using digital scales.

### 1.A Mixing Flowfresh SL (Bulk Packaging)

Stir Base A (17.292kg) to re-disperse any settlement. Add Pigment (1.2kg) and mix until uniform. Transfer to a Portamix Mega Hippo mixing container. Add Hardener B (18kg) to the mixing container, and drain thoroughly. Mix with a slow speed drill and helical spinner head for 45 seconds, taking care not to entrain air. Add Filler C (6 x 11.938kg) to mixing container and mix until uniform.

If smaller mixes are required, decant Part A and Hardener B using digital scales to the required weight.

### 1.B Mixing Flowfresh SL (Prepacked)

Stir Base A (2.882kg) to re-disperse any settlement. Transfer to a clean container. Add Pigment (0.2kg) and mix until uniform. Add Hardener B (3kg) to the mixing container, and drain thoroughly. Mix with a slow speed drill and helical spinner head for 45 seconds, taking care not to entrain air. Add Filler C (11.938kg) to mixing container and mix until uniform.

Please refer to the Flowfresh SL Technical Data Sheet for further information.

## Solvent

Solvent should not be added to the Flowfresh SL.

## Application Temperature

The recommended material and substrate temperature is 15 - 35°C, but no less than 10°C. The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening.

Temperatures should not fall below 5°C in the 24hrs after application.

## Application / Pot Life

Ready-mixed product should be used within 20 minutes at a temperature of 20°C. At higher temperatures (or if left in bucket) the application time is shorter.

Decant mixed product into smaller quantities if applying small/detailed areas.

## Application Method

Please refer to the Flowfresh SL Technical Data Sheet.

## Additional Notes

1. Please refer to the appropriate product Technical Data Sheet. The Product Data Sheet, Technical Data Sheet and Safety Data Sheet must be read in conjunction with one another. Maximum overcoat time is 24 hours at 20°C.
2. The product has reached full chemical cure after 7days at 20°C.
3. The applied colours may differ from the examples shown.
4. Light and vibrant colours may require additional coats to achieve desired results.
5. Flowcrete assumes no responsibility for the application of incorrect colour.
6. It is the applicators responsibility to verify accuracy of colour prior to application. Flowcrete does not bear any responsibility or accept claims for incorrect colour after application of material.
7. It is recommended that top coat colours match base coat colours to achieve desired results.
8. This system is not UV stable and will discolour unless otherwise stated.
9. This system should have no contact with water for 5 days at 20°C or blooming may occur.

10. This system should be installed at 3°C above the dew point.
11. A low temperature/high humidity environment can cause blooming issues.
12. Please ensure application temperature and RH limits are followed.
13. Wind or strong airflow may cause quick curing and drying of the system.
14. Ensure wind or strong airflow is eliminated during application, however adequate safety ventilation should still be followed.
15. Direct heat during application of the system can cause flash curing and potential delamination.
16. Ensure you do not apply this system to substrates with temperatures exceeding 35°C.
17. The specific slip test rating (P0-P5 range) noted in this document is based on the system design, products listed, coverage rates and specific aggregate outlined in this document. This slip test rating can and will change if the standard specification details or installation methods are altered in any way. The specific slip rating (P0-P5 range) noted in this document is based on 96 Rubber slide testing on level non-inclined surfaces. Applicators should refer to methods outlined in AS4586-2013 and SA HB 198:2014.