



Flowfresh SL

A pigmented, self-smoothing, chemical resistant, polyurethane resin-based floor finish.

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	0.18kg	1kg (Packaging Dependant on Colour)
Kit Size	18kg 10Ltr	107.65kg 59Ltr

Standard Coverage Rates

3mm Thickness	5.4kg/m ²	0.33m ² /Ltr
4mm Thickness	7.2kg/m ²	0.25m ² /Ltr
7mm Thickness*	13.3kg/m ²	0.14m ² /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/mm², 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.

Coving

Please refer to Flowtex F1 Coving Mortar for further information.

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.

Mixing

The product is supplied in full units as A+B+C+Pigment packs. Pack components are pre-weighed for optimum performance. If packs are to be proportioned this must be completed using digital scales.

Stir Base A to re-disperse any settlement. Add Pigment and mix until uniform. Transfer to a mixing container. Add Hardener B 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 to mixing container and mix until uniform, approximately 60 seconds.

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

Immediately after mixing, apply the Flowfresh SL by pin rake to the required thickness and finish with a steel trowel. Immediately after application spike roll the surface to assist with levelling the material and to release any entrapped air. Late spike rolling of the material can result in surface defects.

Additional Notes

1. Maximum overcoat time is 24 hours at 20°C if primer is required.
2. The product has reached full cure after 7 days at 20°C.
3. The applied colours may differ from the examples shown.
4. Flowcrete assumes no responsibility for the application of incorrect colour.
5. 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.

6. This system is not UV stable and will discolour unless otherwise stated.
7. Do not cover or wash within the first 36 hours of curing at 20°C.
8. This system should be installed at 3°C above the dew point.
9. Please ensure application temperature and RH limits are followed.
10. Wind or strong airflow may cause quick curing and drying of the system.
11. Ensure wind or strong airflow is eliminated during application, however adequate safety ventilation should still be followed.
12. Direct heat during application of the system can cause flash curing and potential delamination. Ensure you do not apply this system to substrates with temperatures exceeding 35°C.