

Flowfresh Coating

Flowfresh Coating is a 4-component, water-based, polyurethane, matte finish coloured coating for concrete and cementitious substrates.

Uses

Can be used as a seal coat for Flowfresh flooring systems including coving. This will provide a hard-wearing, chemical resistant, antimicrobial coloured sealer. Additionally Flowfresh Coating can be used as an alternative to Flowfresh Primer.

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.



Bond Strength:

Will bond to surface dry substrates that have a relative humidity up to 97% as per ASTM F2170 (AS1884:2012).



Application Method:

Application by roller and squeegee.



Packaging

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

Base A	1.407kg	
Hardener B	1.52kg	
Filler C	1.893kg	
Pigment	0.18kg	
Kit Size	5kg	3.33 Ltr

Standard Coverage Rates

Flowfresh Primer		
First Coat	0.25kg/m ²	6m ² /Ltr
Second Coat*	0.20kg/m ²	7.5m ² /Ltr
Flowfresh Coating		
First Coat**	0.75kg/m ²	2m ² /Ltr
<p>*A minimum of 2 coats of Flowfresh Primer should be applied for porous surfaces if applying Flowfresh SL.</p> <p>** Coverage rate based on Flowfresh Coating applied over aggregate size of approx 1mm. Coverage rate will vary dependant on type of aggregate used.</p> <p>***The above Flowfresh Primer coverage rates are based on concrete prepared to 46 Mesh diamond grind.</p>		

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
<p>* Do not cover or wash within the first 36 hours of curing. ** Low relative humidity, maximum 70%, and good ventilation are prerequisites to achieve the above drying times.</p>	

Additional Information

VOC Content	70 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 1.5 kg/l (combined)
Solids Content	Approx 90% (by weight)

Finish	Smooth or Non-Slip Matte Finish
Colour	Refer to Flowfresh Matte Finish 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.

Pre-mix the Base A to re-disperse any settlement and transfer to a clean container.

Add all of the Filler C to Base A and mix thoroughly. Add pigment to Base A and mix thoroughly. Add Hardener B to Base A and mix with a slow speed drill and helical spinner head for 90 seconds, taking care not to entrain air.

Solvent

Solvent (xylene / MEK / Acetone) may be added to aid application properties if required.

Add between 2% and 5% solvent (depending on temperature and material viscosity) of xylene, MEK or Acetone to assist with the application properties.

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 15 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

The product should be applied using a squeegee and high quality 10-12mm nap lambswool roller. Do not use Microfibre.

Apply the material evenly across the floor, rolling in a north/south direction, ensuring the wet edge is maintained. Within 5 minutes finish by rolling east to west in one direction only.

Late rolling of the product may result in roller marks appearing in the finished surface.

Additional Notes

1. Maximum overcoat time is 24 hours at 20°C if primer is required.
2. The product has reached full chemical 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.