



Flowprime AU

Flowprime AU is a 2-component low viscosity epoxy resin primer for cementitious substrates.

Uses

Typically used for priming of concrete and screeds, prior to overcoating with Flowcrete resin toppings.

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.



Multipurpose:

Can be used in a variety of epoxy resin flooring systems.



Advanced Technology:

Formulated using advanced resin technology to provide high performance floor finishes.



Easy of Use:

The formulated resin provides excellent application properties.

Packaging

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

Base A	13.029 kg	
Hardener B	4.971 kg	
Kit Size	18 kg	16.36 Ltr

Standard Coverage Ratios

Flowprime AU		
First Coat	0.2kg/m ²	5.6m ² /Ltr
Second Coat*	0.15kg/m ²	7.35m ² /Ltr
*Second coat required for porous surfaces only.		

Curing Times (at 25 °C)

Min Overcoating	5 hours
Max Overcoating	24 hours
Foot Traffic	24 hours
Vehicular Traffic	72 hours
Full Chemical Cure	7 days
<small>*Full chemical resistance is achieved after 5-7 days. ** Do not cover or wash within the first 36 hours of curing. ***High humidity in early stages of cure can result in blooming. ****Resin screeds/mortars can be applied into wet or tacky primer or, if they are to be applied onto a tack free primer, a sand scatter should be applied to ensure the mortar does not slip during compaction.</small>	

Additional Information

VOC Content	31 g/L 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 1.10 kg/l (combined)
Solids Content	Approx 100% (by weight)
Finish	Gloss
Colour	Transparent

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitence, dust and other contamination.

Substrate should be dry to 75% RH as per ASTM F2170 (AS1884:2012).

Surface Preparation

Refer to appropriate system Technical Data Sheet.

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

Stir Base A to re-disperse any settlement. Decant required amount of Base A into a clean container by weight using digital scales.

Add required amount of Hardener B to the decanted Base A container, and drain thoroughly. Mix with a slow speed drill and helical spinner head for 1 minute, taking care not to entrain air. Add between 2 - 7% Xylene (if required depending on conditions) and mix for a further 30 seconds.

Refer to appropriate system Technical Data Sheet.

Application Method

Refer to appropriate system Technical Data Sheet.

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

Refer to appropriate system Technical Data Sheet.

Cleaning

Tools and equipment can be cleaned with MEK/Acetone/Xylene. Please refer to SDS when using solvents.

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.
2. Maximum overcoat time is 24 hours at 20°C.
3. The product has reached full chemical cure after 7 days at 20°C.
4. The applied colours may differ from the examples shown.
5. Light and vibrant colours may require additional coats to achieve desired results.
6. Flowcrete assumes no responsibility for the application of incorrect colour.
7. 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.
8. It is recommended that top coat colours match base coat colours to achieve desired results.
9. This system is not UV stable and will discolour unless otherwise stated.
10. This system should have no contact with water for 5 days at 20°C or blooming may occur.
11. This system should be installed at 3°C above the dew point.
12. A low temperature/high humidity environment can cause blooming issues.

13. Please ensure application temperature and RH limits are followed.
14. Wind or strong airflow may cause quick curing and drying of the system.
15. Ensure wind or strong airflow is eliminated during application, however adequate safety ventilation should still be followed.
16. Direct heat during application of the system can cause flash curing and potential delamination.
17. Ensure you do not apply this system to substrates with temperatures exceeding 35°C.
18. 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.