

Flowfast Damp Primer

Flowfast Damp Primer is a low viscosity, colourless, 2 component reactive methyl methacrylate (MMA) resin.

Uses

Typically used to provide increased adhesion to damp concrete substrates (between 90 -98%RH).

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.



Fast Curing:

Rapid curing primer allows for quick installation.



Roller Applied:

Easy to apply with excellent application properties.



Excellent Adhesion:

Exhibits excellent adhesion damp concrete substrates (between 90 - 98%RH).

Packaging

The product is supplied in full units.

Flowfast Damp Primer	20 kg	20 ltr
----------------------	-------	--------

Catalyst Addition Rates

Temperature	Weight Percentage Flowfast Catalyst	Gram Flowfast Catalyst per 4kg
30 °C	2.0%	80g
20 °C	3.0%	120g
10 °C	4.0%	160g
0 °C	6.0%	240g
<0 °C*	6.0%	240g

*Please consult Flowcrete if applying below 0 °C

Standard Coverage Rates

First Coat*	0.5kg/m ²	2m ² /Ltr
-------------	----------------------	----------------------

*Ensure a continuous unbroken film is applied at a minimum of 0.35kgm². Very porous surfaces may require a 2nd coat.

Curing Times (at 20°C)

Min Overcoating	1 hour
Max Overcoating	Following coats should be applied after the primer has cured. If left overnight clean the surface with Flowfast Cleaner prior to applying the following coats.
Foot Traffic	1 hour
Vehicular Traffic	2-3 hours
Full Chemical Cure	2-3 hours

*Full chemical resistance is achieved after 2-3 hours.

** Do not cover or wash within the first 2 hours of curing.

Additional Information

VOC Content	106 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 @ 25°C	Approx 1.0 kg/Ltr
Viscosity @ 25°C	100-130 mPa·s

Substrate Requirements

Substrate should be dry to 98% RH as per ASTM F2170 (AS1884:2012). Slab on ground concrete must have an effective damp proof membrane in place. The surface of the concrete must be physically dry (no water should be visible on the surface).

Storage

Time	12 Months in Unopened Packs. If longer than 12 Months consult Flowcrete.
Temperature	Storage temperature between 15°C and 20°C.
Protection	Should be stored inside and protected from frost, weather, moisture, direct sunlight and contamination ingress.

Mixing

Please refer to appropriate Flowfast Technical Data Sheet as per required specification.

Prior to use, Flowfast Damp Primer must be carefully stirred to achieve a uniform distribution of paraffin contained in the product.

Ensure Flowfast Damp Primer is thoroughly mixed together with the Flowfast Catalyst (50 % dibenzoyl peroxide), in accordance with the Catalyst addition rates on page 1.

It should be noted that the amount of Catalyst powder to be added depends upon the application temperature.

At temperatures below 0 °C, Flowfast Accelerator should also be added.

Application Temperature

The recommended material and substrate temperature is -5 - 35°C. If outside of these temperatures please consult Flowcrete.

The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening.

Application / Pot Life

Ready-mixed product should be used within 10 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

We strongly recommend Flowfast Damp Primer curing and adhesion tests are conducted on the particular substrate prior to general use on site.

Please refer to appropriate Flowfast Technical Data Sheet as per required specification.

Cleaning

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

Additional Notes

1. The product has reached full cure after 2-3 hours at 20°C.

2. The applied colours may differ from the examples shown.
3. Flowcrete assumes no responsibility for the application of incorrect colour.
4. 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.
5. Do not cover or wash within the first 2 hours of curing at 20°C.
6. This system should be installed at 3°C above the dew point.
7. Please ensure application temperature and RH limits are followed.
8. Wind or strong airflow may cause quick curing and drying of the system.
9. Ensure wind or strong airflow is eliminated during application, however adequate safety ventilation should still be followed.
10. Whilst the product is low in VOC (<140 g/L complying with Green Building Council of Australia Green Star Design & As Built V1.2-13.1.1B Green Star Interiors V1.2-12.1.1B) this product will emit a discernible odour during application.
11. In closed rooms a forced ventilation with at least 7-fold air exchange per hour is recommended. To provide for an Outside these conditions, please contact our Technical Service.
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.