

Flowfresh Primer

Flowfresh Primer is a 3-component water-based, polyurethane primer for concrete and cementitious substrates. Flowfresh Primer will bond to surface dry substrates that have a relative humidity up to 97% (to BS 8204)

Uses

For priming concrete and screeds, prior to overcoating with the Flowfresh or Flowcrete ranges of polyurethane concrete toppings. Flowfresh primer is particularly suited to areas where high heat resistance is essential.

Environment & Health

Flowfresh Primer is a solvent free product. 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.



Solvent Free:

Flowfresh Primer is a solvent free product.



Packaging

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

* Do not split components as this may jeopardise the end result.

Component	Pack Size
Base A	2.88 kg
Hardener B	3.00 kg
Filler C	6.12 kg
Kit Size	12 kg
Pigment	0.18 kg

Curing Times (at 20°C)

Min Overcoating	15 hours
Max Overcoating	24 hours
Foot Traffic	10 hours

*The product is fully hardened after 5–7 days.

* Low relative humidity, maximum 70%, and good ventilation are prerequisites to achieve the above drying times.

** Do not cover or wash within the first 16 hours of curing.

Additional Information

Solid Content	Approx. 90%
Density	Component A approx. 1.0 kg/litre Component B approx. 1.25 kg/litre Component C approx. 2.3 kg/litre A+B approx. 1.5 kg/litre
Colour	Natural

Storage

Time	12 months in unopened pack for Components A+B. 6 months in unopened pack for Component C.
Temperature	Storage temperature between 5°C and 35°C. Protect from frost.
Protection	Protect from weather, frost and moisture / contaminant ingress.

Mixing

Add all of Hardener B to Base A, mix for 30 seconds before adding Filler C. Ensure that all Filler C is mixed in from the sides of the container. Mix with slow speed drill and helical spinner, taking care not to entrain air.

For porous floors a second coat is required. Allow the first coat to become tack free before applying the second coat. A light sand scatter (0.5kg/m²) may be applied to ensure a mortar topping does not slip during compaction.

Please refer to the Technical Data Sheet for further information.

Application Temperature

The recommended material and substrate temperature is 15 – 35°C, but not 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 10 minutes at a temperature of 20°C. At higher temperatures (and if left in the bucket) the application time is shorter. Decant mixed product into smaller quantities if applying small/detailed areas.

Application Method

Please refer to the 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 7 days 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.
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.