Deckshield ED Primer

A high moisture tolerant (up to 95% RH as per ASTM F2170, AS1884:2012) 100% solids epoxy primer for cementitious substrates.

Uses

Deckshield ED Primer permits the use of Flowcrete products to be applied on top of concrete substrates that have a relative humidity of up to 95% and MPa of >725. However, the surface must be dry; no moisture may be visible on the surface.

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.

High Moisture Tolerance:
High moisture tolerance up to 95% RH as per ASTM F2170, AS1884:2012

High Build Thickness:
Up 200 microns in one coat.

Solvent Free:
Primer does not contain solvent.

Packaging

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

Base A	7.755kg	7.05Ltr
Hardener B	3.402kg	2.85Ltr
Filler C	3.843kg	[Insert Ltr]
A + B + C Kit Size	15kg	

Standard Coverage Rates

First Coat	0.25kg/m²	m²/Ltr
Second Coat	0.2kg/m²	m²/Ltr

Curing Times (at 20°C)

Min Overcoating	8 hours
Max Overcoating	24 hours

Additional Information

VOC Content	15 g/L
Solids Content	Approx 100%
Finish	Gloss
Colour	Clear

Density

Base A	Approx 1.1 kg/Ltr
Hardener B	Approx 1.2 kg/Ltr
A + B + C	[Insert]

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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.

Surface Preparation

Concrete should be finished by steel trowel. Surface preparation is to be completed by totally enclosed light shot blasting (please note this may leave track and blast lines which will not be covered) or diamond grinding to a minimum CSP2 prior to any coating application. For proper methods, refer to ICRI's Technical Guideline No. 03732. All cementitious laitance must be removed to expose a sound substrate and provide a dry, dust free, open textured surface. All hard to reach areas and areas around the perimeter must be prepared using hand held preparation equipment. Any damaged areas must be repaired with Flowtex F1 mortar. Consult Flowcrete prior to using an alternative repair mortar. Any rough or uneven areas must be made smooth with Flowcoat SC (Universal Resin Base A, Universal Hardener B, Sand/Flour).

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 95% RH as per AS. Must be free from rising ground moisture or must have an effective DPM in place.

Mixing

The product is supplied in full units as A+B+C. 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. Transfer Base A and Hardener B to a clean container and mix with a slow speed drill and helical spinner head for 90 seconds, taking care not to entrain air.

Add Filler C and mix for a further 60 seconds until uniform.

Solvent

Solvent (Xylene / MEK / Acetone) may be added to aid application properties if required. Add between 2% and 7% solvent (depending on temperature and material viscosity) of Xylene, MEK or Acetone to assist with the application properties.

Coving

Please refer to Flowtex F1 Coving Mortar for further information.

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.

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