TECHNICAL DATA SHEET

EPOPRIME DPM

Epoxy Damp Proof Membrane Primer



PREMCRETE

EPOPRIME DPM



DESCRIPTION

EPOPRIME DPM is a high-performance, solvent-free epoxy damp proof membrane primer designed for application to concrete and screed substrates to suppress residual moisture and provide an effective adhesion-promoting surface for subsequent flooring systems.
The product is supplied as a two-component system comprising a base component and curing agent supplied. Once cured, EPOPRIME DPM forms a dense, impermeable barrier which controls residual moisture within the substrate whilst providing excellent adhesion to concrete, screeds and subsequent overlayment systems.
EPOPRIME DPM is suitable for use as both a moisture suppressant and a damp tolerant primer prior to the application of resin flooring systems, bonded screeds, levelling compounds and tile adhesives.

USES

EPOPRIME DPM is specifically designed for the control of residual moisture within new and existing concrete and screed substrates.
Typical applications include:

- Damp proof membrane for concrete floors and screed substrates
- Moisture suppression beneath resin flooring systems
- Moisture suppression beneath levelling compounds
- Primer beneath bonded screeds
- Primer beneath tile adhesives
- Refurbishment projects where no conventional DPM is present
- Damp tolerant primer for concrete and resin screeds

The product allows the earlier installation of moisture-sensitive floor finishes and coatings by reducing the effects of residual substrate moisture.

EPOPRIME DPM

ADVANTAGES

- Solvent-free and low odour
- Excellent adhesion to damp concrete substrates
- Low viscosity for easy application
- Controls residual moisture within new construction
- Suitable for application to concrete and screed substrates
- Damp tolerant formulation
- Compatible with resin flooring systems, screeds and levelling compounds
- Can be used as both a moisture suppressant and adhesion promoter
- Easy application by brush, roller or airless spray
- Suitable for internal industrial and commercial applications

TECHNICAL & PERFORMANCE PROPERTIES

Property	Test Method	Value
Colour	N/A	Clear (Other Colours Available to Order)
Viscosity	N/A	480 cPs @ 20°C
Pot Life @ 20°C	N/A	50 Minutes
Adhesion to Damp Concrete	N/A	>3.5 MPa (Concrete Failure)
Flexural Strength	N/A	60 MPa
Water Absorption	N/A	<0.3% After 7 Days

INSTALLATION PROCEDURE

Surface Preparation

Correct surface preparation is essential to the successful performance of the primer system.
Concrete and screed substrates must be structurally sound, clean and free from dust, laitance, grease, oils, hydrocarbons, curing compounds, release agents and any other contaminants which may impair adhesion.
The substrate should be mechanically prepared using suitable methods such as vacuum grit blasting, captive blasting or diamond grinding to remove contaminants and provide a sound open-textured surface.
The moisture content of new concrete substrates should not exceed 97% relative humidity.
Any defects within the substrate should be repaired using a suitable PREMCRETE REPAIR MORTAR to application.
Where steel substrates are to be coated, surfaces should be grit blasted to SA 2.5 in accordance with the Swedish Standard and primed immediately following preparation to minimise flash rusting.

Mixing

The entire contents of the curing agent component should be added to the base component container and mixed thoroughly using a slow-speed drill fitted with a suitable mixing paddle.
Mix until a completely homogeneous material is obtained with a uniform colour and consistency.
The product is supplied in pre-weighed units and components should not be part mixed.

EPOPRIME DPM

INSTALLATION PROCEDURE CONTINUED

Application

For substrates with a moisture content below 92% relative humidity, EPOPRIME DPM should be applied as a single coat at a nominal coverage rate of 0.30kg/m^2.
For substrates with a moisture content above 92% relative humidity, a two-coat application is recommended. The first coat should be applied at approximately 0.30kg/m^2 and the second coat applied within 24 hours at approximately 0.25kg/m^2.
EPOPRIME DPM may be applied using brush, roller or suitable airless spray equipment.
Where a mechanical key is required for subsequent applications such as resin coatings, bonded screeds, levelling compounds or tile adhesives, a suitable kiln-dried quartz aggregate should be broadcast into the wet coating.
Following curing, any excess aggregate should be removed prior to the application of subsequent materials.

Curing

At 20°C, EPOPRIME DPM will typically become touch dry after approximately 6 hours.
The coating will normally achieve hard dry condition after approximately 16 hours at 20°C.
Curing times will be extended at lower temperatures and shortened at higher temperatures.

Equipment Cleaning

All tools and equipment should be cleaned immediately after use using PREMCRETE CLEANING SOLVENT. Cured material can only be removed by mechanical means.

PACKAGING & COVERAGE

Pack Size

EPOPRIME DPM is supplied in 5kg units.

Coverage

For two-coat applications, one 5kg unit will cover approximately 9m^2. For single-coat applications, one 5kg unit will cover approximately 10m^2.
Actual coverage rates may vary depending upon substrate profile, porosity and site conditions.



STORAGE & SHELF LIFE

EPOPRIME DPM should be stored in clean, dry conditions at temperatures between 10°C and 30°C.
Containers should remain unopened until required for use and protected from frost, excessive heat and direct sunlight.
When stored correctly in original unopened packaging, EPOPRIME DPM has a shelf life of 12 months from the date of manufacture.

HEALTH & SAFETY

Appropriate protective clothing, gloves and eye protection should be worn during mixing and application. Avoid contact with skin and eyes. In the event of accidental contact, rinse immediately with plenty of clean water and seek medical attention if irritation persists.
Refer to the separate Material Safety Data Sheet for full health and safety information.

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