

# EPOPRIME DPM

## Epoxy DPM Primer

### DESCRIPTION

EPOPRIME DPM is an epoxy DPM primer suitable for application to concrete and screed to act as a moisture suppressant. It is supplied as two-component pack, consisting of a base component and a curing agent suitable for mixing on site. When applied to the substrate it will also add as an adhesion promoter prior to subsequent application of mortars and screeds.

### USES

EPOPRIME DPM is designed for use as a liquid DPM for application to concrete and sand/cement screeds, it has been designed to control residual moisture in new screeds to allow the early application of moisture sensitive coatings and overlayers. It is also suitable for use as a liquid DPM on existing concrete substrates where a traditional DPM is not present. Its tolerance to dampness make it suitable for use as a damp tolerant primer prior to the application of concrete and resin screeds.

### ADVANTAGES

- Solvent free and low odour.
- Excellent adhesion to damp concrete.
- Low viscosity for easy application.
- Controls residual moisture in new construction.

Property	Value
Colour	Clear (Other colours mixed to order)
Viscosity	480 CPS @ 20°C
Pot Life	50mins @ 20°C
Adhesive Bond to Damp Concrete	>3.5 MPa (Concrete Failure)
Flexural Strength	60 MPa
Water Absorption	<0.3 % after 7 days

### PROCEDURE

**Surface Preparation:** Correct surface preparation is paramount for the success of the applied primer. Concrete and masonry surfaces should be sound clean and free from dust, surface laitance, grease, hydrocarbons and other deleterious materials. It is important to prepare the surface by mechanical means such as, vacuum grip blasting and diamond grinding to ensure the complete removal of any contaminants and to provide an adequate key for the coating. The moisture of new concrete substrates should be less than 97% R.H. Imperfections in the substrate should be repaired using a suitable PREMCRETE REPAIR PRODUCT. Steel surfaces should be grit blasted to a nominal SA 2.5 Swedish standard. Steel substrates should be primed immediately once preparation has finished to obviate flash rusting.

**Mixing:** The contents of the curing agent component should be poured into the base component tin and mixed thoroughly using a slow speed drill and paddle mixer until a homogeneous mix is achieved, which is uniform in colour and consistency. Special care should be taken to ensure that packs are not part mixed.

**Application:** Substrates which have a R.H <92%, require a single coat at a nominal rate of 0.3Kg/M2. Substrates with a R.H >92%, require a two-coat application. The first coat should be applied at a rate of 0.3Kg/M2 and then the second coat should be applied within 24hrs at a rate of 0.25Kg/M2. EPPRIME DPM should be applied



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using a suitable brush, roller or airless spray equipment and where a mechanical key is required to promote adhesion to subsequently applied coatings, screeds and tile adhesives, then a quartz aggregate should be broadcast into the wet coating. Once the coating has dried, then the excess aggregate should be swept from the surface.

**Equipment Cleaning:** Tools and equipment should be cleaned immediately using PREMCRETE CLEANING SOLVENT.

**Curing:** EPOPRIME DPM will be touched dry after 6hrs at 20°C and hard dry after 16hrs at 20°C.

### PACKAGING & COVERAGE

**Pack Size:** EPOPRIME DPM is supplied in 5Kg packs.

**Coverage:** A 5Kg pack is sufficient to coat 9m<sup>2</sup> with two coats or 10m<sup>2</sup> as a single application.

### STORAGE & SHELF LIFE

EPOPRIME DPM should be stored in clean dry conditions at temperatures between 10°C and 30°C. When stored in unopened containers, the product will have a shelf life of 12 months.

### HEALTH & SAFETY

See separate material safety datasheet.