

### DPM Primer™

## Product Description

Fast hardening epoxy primer for new and old concrete with residual moisture

*DPM Primer* is a solvent-free, low viscosity, twin pack epoxy resin with water-reactive properties. Designed for application to open pored damp surfaces, *DPM Primer* is highly resistant to rear side soaking from water.

*DPM Primer* can also be used for existing concrete slabs where there is a defective or non-existent damp proof membrane or where a degree of moisture tolerance is required prior to a resin floor system being laid.

## Typical Uses

*DPM Primer* is a system for permanently damp concrete floors or where the DPM is not effective or missing. It is not in itself a coating or floor paint, and must always be over-coated with an appropriate top coat. If using over under-floor heating, please call our Technical Helpline to confirm suitability.

**Suitable substrates:** *DPM Primer* may be applied to damp open-pored concrete surfaces

**Colour** *DPM Primer* is mid grey.

**Packaging:** *DPM Primer* is supplied in pre-measured quantities as a two part 5kg unit, comprising an epoxy resin blend and hardener.

## Direction For Use

### Surface Preparation

#### **THOROUGH SUBSTRATE PREPARATION IS ESSENTIAL.**

The surface must be free of brittle particles and laitance. Any remains of previous coatings should be removed by means of scabbling, shotblasting and/or diamond grinding.

**Important: Free pores must be exposed to ensure good adhesion to the surface.**

All water must be removed from the surface, leaving it damp but not wet. *DPM Primer* may then be applied to the damp surface immediately after cleaning. The design strength of concrete surfaces must be a minimum of 25 MPa compressive strength at 28 days.

### Mixing

Empty the resin into a suitable container, then add the hardener and thoroughly mix for at least 3 minutes until a homogeneous mix is achieved. For best results use a slow speed drill with a mixing paddle, making sure all material from the sides and bottom of the container are thoroughly mixed in.

**Thorough mixing is imperative as an unmixed product will result in a poor or non-cure situation.**

## Application

Apply by brush, roller, or squeegee, in one or more continuous applications until the material is absorbed and a film has formed. Make certain that the entire surface is completely covered, pin-hole free with no gaps or cavities, to prevent water migration. Once the first coat has cured, add a second coat at right angles to the first.

If the *DPM Primer* is being used underneath a screed or self level we advise that you apply one coat of *DPM Primer* to the surface and allow to cure and then apply a second coat with kiln dried sand broadcast into the wet coating to create a key for the screed or self level to adhere to.

**UNDER NO CIRCUMSTANCES SHOULD AGGREGATE BE ADDED TO THE FIRST COAT** as this will allow water to bleed through the primer and contaminate the following coats.

A minimum of two coats are required.

Do not exceed the coverage rate of 4m<sup>2</sup>/kg under any circumstances

## Pot Life

The pot life once mixed is approximately 30 minutes at 20°C.

Curing Time

Recoat time is 12 hours or once surface has lost tackiness.  
*DPM Primer* must be over-coated within 48 hours to ensure intercoat adhesion.

Application Conditions

Ideal application temperature range is between +15°C and +25°C. Curing time will be extended at lower temperatures. **IMPORTANT:** Ambient temperature **must not fall below +5°C** or becondensing and substrate must be kept at least 3°C above the dew point during the application and curing process to avoid risk of condensation or blooming on the surface.

Coverage

The coverage rate of a 5kg unit of *DPM Primer* is approximately 4.0 m² per kg at 190 microns thickness, depending on the texture and porosity of the surface, and also on the substrate moisture content and absorption rate. Two coats are required.

Cleaning

Tools and equipment should be cleaned whilst resin is wet with Solvent Cleaner. Hand and skin should be cleaned immediately with organic hand cleaner.

Shelf Life & Storage

Shelf life in unopened containers is 12 months, subject to conditions of storage. Keep out of direct sunlight. Store in a dry place between 10°C and 25°C. Protect from frost.

Health & Safety

Before using this product, please ensure you have received and read carefully both the Hazard Label applied to the container and the relevant Material Safety Data Sheets.

Any Questions

Please do not hesitate to contact us for advice regarding the use of this product or its suitability for your particular application.

Our aim is to provide all the technical help you need to make an informed choice and achieve total success.

Polycote Technical Helpline: **01234 846400**

All reasonable care has been taken in supplying the above information. However, any figures quoted do not constitute a specification but represent typical values obtained. It is the customer's responsibility to ensure the product is fit for the intended purpose and that conditions are suitable. Any technical advice is offered in good faith, but without warranty. This is also applicable when proprietary rights and third parties are involved. In the light of the Company's policy of continual research and development, it is the customer's responsibility to ensure that the information contained herein has not been superseded.