DPM Primer XFH™

Extra fast hardening moisture-tolerant epoxy primer for concrete

POLYCOTE® Est. 1991

"maintenance made easy"

PRODUCT DESCRIPTION

DPM Primer XFH™ is a solvent-free, low viscosity, high solids content twin pack epoxy resin with water-reactive and oil binding properties. Designed for application to open pored damp and oily surfaces, DPM Primer XFH is highly resistant to rear side soaking from both oil and water, allowing the most difficult of floors to be coated.

TYPICAL USES

DPM Primer XFH™ is a system for sealing oil impregnated or damp concrete floors. It is not in itself a coating or floor paint, and must always be over-coated with an appropriate top coat.

SUITABLE SUBSTRATES

DPM Primer XFH™ may be applied to damp open-pored concrete surfaces.

COLOUR

DPM Primer XFH™ is colourless and translucent.

PACKAGING

DPM Primer XFH™ is supplied in pre-measured quantities as a two part 15kg unit, comprising an epoxy resin blend Part 'A' and hardener Part 'B' and is suitable for lower temperature applications.

DIRECTIONS FOR USE

SURFACE PREPARATION

THOROUGH SUBSTRATE PREPARATION IS ESSENTIAL.

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

IMPORTANT: CLOSED 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 XFH*™ may then be applied to the damp surface immediately after cleaning.

DIRECTIONS FOR USE *Cont.*

MIXING

Mix only as much as can be applied within the pot life (see 'Pot Life and Curing Time'). Add part 'A' to part 'B' in a suitable container, and thoroughly mix for at least 3 minutes. 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 and a homogeneous mix is obtained.

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 to prevent oil or water migration. Oil or grease impregnated surfaces should be primed using a paintbrush or soft sweeping broom to work the material well into the surface.

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

If the period between the application of the primer and relevent top coat will exceed 24 hours, then a second coat of primer ***MUST*** be applied with fine kiln-dried aggregate sprinkled evenly over the ***WET*** second coat at a rate of 1kg per m² to provide a key for the final coating. Spiked shoes should be worn to avoid disturbing the wet coating. Allow to cure for a further 24 hours before removing all loose aggregate from the surface, which is then ready to receive a suitable top coating (Flortex EP/Flortex Professional/Flortex Chemical Coat).

If time is very limited – the following method may be used, but this is not advisable for very damp or heavily contaminated substrates: The first coat of *DPM Primer XFH™* may be over-coated within 4-12 hours with an appropriate top coat *(Flortex® EP/ Flortex® Professional/Flortex® Chemical Coat).* To ensure chemical bonding between *DPM Primer XFH™* and the over-coating this interval should not exceed 12 hours. Allow to cure and re-coat if required: see appropriate coating Data Sheet.

POT LIFE

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

CURING TIME

Initial curing takes place within 3-4 hours depending on temperature and moisture of the substrate. *DPM Primer XFH™* must be over-coated within 24 hours to ensure intercoat adhesion. If this interval is going to be exceeded, a second coat of *DPM Primer XFH™* must be applied, sprinkled with aggregate and allowed to cure to provide a key for the top coat to adhere to. Full curing takes place after 2-3 days.

APPLICATION CONDITIONS

Ideal application temperature range is between +8°C & +25°C. Curing time will be extended at lower temperatures. ***IMPORTANT:*** Ambient and substrate temperatures ***MUST NOT FALL BELOW +5°C*** during the application or curing process as this causes an irreversible reaction blockade.

COVERAGE

The coverage rate of *DPM Primer XFH™* varies between 2-3sq.m./kg depending on the texture and porosity of the surface, and also on the substrate moisture content and absorption rate.

CLEANING

Tools and equipment should be cleaned whilst resin is wet with Polycote solvent cleaner. Hands and skin should be cleaned immediately with organic hand cleaner.

SHELF LIFE & STORAGE

Shelf life in unopened containers is 12 months for Part 'A' (Resin) and 3 months for Part 'B' (Hardener), subject to conditions of storage. Store at temperatures between +8°C and +25°C in a dry frost-free environment away from sources of ignition, in original unopened Polycote packaging.

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.

REV: 10/12

Polycote UK
Centre Point • Wolseley Road
Woburn Road Industrial Estate
Kempston • Beds • MK42 7EF
Technical Helpline: 01234 846400

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