OT Primer XFH™

Extra fast hardening oil-tolerant epoxy primer for contaminated concrete

POLYCOTE® Est. 1991

"maintenance made easy"

PRODUCT DESCRIPTION

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

OT Primer XFH™ is ideally suited to heavy engineering plants and car and truck service depots. It can also be used in any place requiring minimal downtime.

TYPICAL USES

OT Primer XFH™ is a system for sealing oil impregnated or permanently 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

OT Primer XFH™ may be applied to damp open-pored concrete surfaces impregnated with almost any oil or grease, including animal, vegetable or mineral based oils.

COLOUR

OT Primer XFH™ is colourless and translucent.

PACKAGING

OT 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'.

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. Oil and grease build up should be removed using high pressure hot water or steam jet, to fully expose the substrate.

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. *OT Primer XFH*™ may then be applied to the damp surface immediately after cleaning.

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

DIRECTIONS FOR USE Cont.

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 are best primed with a paint brush or soft sweeping broom, in order to ensure the primer is worked well into the surface.

Allow to fully cure before the application of any further coating.

Whilst this is in fact extremely rare, it is important to note that if contamination is particularly bad, the substrate may require a further coat of *OT Primer XFH.*

Re. Self-Levelling Cementitous Screeds

Should the intention be to pour a cementitous screed (Polycote *Easi-Screed*) over the primer, then it is important to broadcast kiln dried sand over the primer to ensure an intercoat adhesion is achieved between the primer and the screed.

Ensure Aggregate should be sprinkled evenly over the *OT Primer XFH* whist it is still WET, at a rate of 1kg per m². (Spiked shoes may be worn to avoid disturbing the wet coating).

Allow to cure for a further 24 hours before removing any loose / excess aggregate from the surface, which is then ready to receive the desired *Easi-Screed* product.

Where dampness and/or oil contamination is of particular concern, it is advisable to seal the surface completely with one first coat of *OT Primer XFH* and then to lay a second coat onto which the aggregate would then be applied. The reason for this is to ensure there is no 'bleed through', should any particles of aggregate penetrate the primer. (Whilst any such penetration is in fact extremely unlikely, some companies with strict requirements/constraints prefer the certainty of a 100% seal, prior to any aggregate being applied).

Finally, please be free to consult our Technical Department, who will be more than happy to help with any specific requirement / concern.

POT LIFE

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

CURING TIME

Initial curing takes place within 6-8 hours. This is entirely dependant on temperature, moisture and porosity of the substrate. *OT 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 *OT 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 *OT Primer XFH*™ varies between 3-4sq.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 18 months, subject to conditions of storage. Store at temperatures between +8°C & +25°C in a dry, frost-free environment away from sources of ignition.

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?

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REV: 06/15

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