

# EP Primer XFH

**Fast curing, damp tolerant, pure epoxy primer for concrete surfaces**



**“maintenance made easy”**



## PRODUCT DESCRIPTION

**EP Primer XFH is a very fast curing two part high build 100% solids epoxy formulation providing an extremely tough and totally impervious gloss finish with excellent chemical resistance. Its unique formulation allows the primer to adhere to damp surfaces.**

### TYPICAL USES

Due to its outstanding dust-proofing and surface hardening properties, *EP Primer XFH* may be used as a concrete sealer without further coating. As a universal primer, it is compatible with a wide range of Polycote epoxy topcoats and screeds.

Being solvent-free, non-toxic and non-taint, *EP Primer XFH* is ideal for use in medical, animal, food processing and working environments. Typical applications include warehouses, factories, workshops, laboratories and chemical bunds.

### SUITABLE SUBSTRATES

*EP Primer XFH* has been developed specifically for concrete and cementitious substrates.

### COLOUR

*EP Primer XFH* is colourless and translucent.

### PACKAGING

*EP Primer XFH* is supplied in pre-measured quantities as a two part 5.0kg unit, comprising an epoxy resin blend Part 'A' and hardener Part 'B'.

## PHYSICAL PROPERTIES

Compressive Strength	70N/mm <sup>2</sup>
Flexural Strength	92N/mm <sup>2</sup>
Tensile Strength	50N/mm <sup>2</sup>
Elastic Modulus	3/4KN/mm <sup>2</sup>

## DIRECTIONS FOR USE

### SURFACE PREPARATION

**Thorough substrate preparation is essential.**

**Recommended methods are:**

**Powerfloated concrete** – use a Vacuum Assisted Shotblaster to remove weak laitance and provide a surface key for the coating. If this is not possible, chemically etch with Polycote *Etch IT* then rinse thoroughly and allow to dry.

**Loose paint or rust** – remove, using a Vacuum Assisted Shotblaster, Floor Grinder or equivalent method.

**Loose or friable concrete** – use a Vacuum Assisted Shotblaster. If this is not possible, chemically clean with

**DIRECTIONS FOR USE Cont.**

Polycote *Etch IT* then rinse thoroughly and allow to dry.

**Oil or grease** – use Hot Compressed Air for large areas of contamination. Smaller, isolated deposits may be chemically cleaned with Polycote *Degrease IT* then rinsed thoroughly and allowed to dry.

See relevant Data Sheet prior to application.

For best results the surface must be dry but *EP Primer XFH* will tolerate damp surfaces.

**ONCE PREPARED, THE AREA MUST BE KEPT CLEAN AND FREE OF TRAFFIC.**

**MIXING**

Having fully prepared the substrate, stir the individual components before mixing together. Add part ‘B’ to part ‘A’ and thoroughly mix for at least 3 minutes. For best results use a slow speed drill with a mixing paddle.

**ENSURE THOROUGH MIXING AS AN UNMIXED PRODUCT WILL RESULT IN A POOR OR NON-CURE SITUATION.**

**APPLICATION**

Apply immediately by brush, roller or squeegee, making sure that the surface is completely covered, working the primer well into the surface. Failure to do this may allow the floor to ‘breathe’ and result in pinholing or bubbles in the epoxy top coat.

When finished, **DO NOT** scrape the remaining contents from the container as this will invariably include unmixed raw resin.

**APPLICATION TEMPERATURE**

Normal application temperature is between +10°C and +25°C. Surface temperature must be above 5°C.

**POT LIFE**

The pot life is approximately 15 minutes at +20°C.

**Important:** If *EP Primer XFH* is not used within the pot life it will generate heat and may generate fumes through the reaction process. The container must be carefully placed in a well ventilated area to prevent spillage or contact with the material or container, and nothing must be added to the container until the container has cooled naturally.

**CURING TIMES**

Initial cure takes place within 6-8 hours at 20°C.

*EP Primer XFH* may be overcoated after approx 4 hours or once surface has lost tackiness.

To ensure a good intercoat chemical bond, overcoat within 24 hours.

Full strength is achieved after 7 days.

**COVERAGE**

The coverage of *EP Primer XFH* is between 10-20m<sup>2</sup> per 5.0kg unit, depending on the texture and porosity of the surface.

**CLEANING**

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

**SHELF LIFE & STORAGE**

Shelf life in unopened containers is approximately 12 months subject to conditions of storage.

Store in a cool, dry, frost-free environment away from sources of ignition at not less than 15°C.

<b>CE</b>	
Polycote UK, Centre Point, Wolseley Road, Woburn Road Industrial Estate, Kempston, Beds MK42 7EF	
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<b>BSEN 13813 SR B 3.4</b> Resin coating/screed for use internally as per Polycote data sheet	
Bond strength:	B 3.4

**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 for himself that 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.

**REV: 06/17**

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