

# Flortex EP XFH

**Extremely hard wearing pure epoxy floor coating**



**“maintenance made easy”**



## PRODUCT DESCRIPTION

**Flortex EP XFH is a virtually solvent-free, two part 100% solids epoxy resin, incorporating quality high build fillers in a highly advanced formulation. It provides an extremely hard wearing coloured coating with a totally impervious gloss finish. Its pure epoxy formulation withstands forklift traffic, oil, chemicals and jet washing (avoid water above 60°C and steam cleaning). It has a fast cure time and is recoatable after only 4 hours at 20°C, meaning less downtime and a quicker return to serviceability.**

## TYPICAL USES

Being solvent-free, taint-free, odourless and non-toxic, Flortex EP XFH is ideal for use in medical, animal, food processing or working environments. Typical applications include warehouses, factories, showrooms, workshops, laboratories, kitchens and dairies.

## SUITABLE SUBSTRATES

Following application of the appropriate primer, Flortex EP XFH may be applied to old and new concrete and polymer modified cementitious screeds.

## COLOUR

Flortex EP XFH is available in a selection of stock colours, or in a large range of BS4800 and RAL specifications.

## PACKAGING

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

## PHYSICAL PROPERTIES

Compressive Strength	68N/mm <sup>2</sup>
Flexural Strength	85N/mm <sup>2</sup>
Tensile Strength	45N/mm <sup>2</sup>
Elastic Modulus	2.8KN/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 laitence and provide a surface key for the coating. If this is not possible, chemically etch with *Polycoate 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 *Polycoate Etch IT* then rinse thoroughly and allow to dry.

**DIRECTIONS FOR USE – Cont.**

**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.

Prior to application of *Flortex EP XFH*, a suitable primer should be applied.

These include Polycote *EP Primer*, *WD Primer* or *OT Primer*, depending on the type and condition of the surface.

Please contact Polycote Technical Helpline, and prepare the surface in accordance with the appropriate primer data Sheet.

**MIXING**

Materials should be stored at 15°C to 25°C for a minimum of 8 hours prior to use. Pre-mix the coloured resin component before use.

Add Part 'B' to Part 'A' and thoroughly mix for at least 3 minutes. For best results use a heavy duty slow speed drill (200-500 rpm) with a mixing paddle. **Ensure thorough mixing as an unmixed product will result in a poor or non-cure situation.**

**APPLICATION**

Apply by brush, roller or squeegee, making sure that the surface is completely covered.

Particular attention should be given to doorways and other areas of high traffic. When finished, **DO NOT** scrape the remaining contents from the container as this will invariably include unmixed resin.

**APPLICATION TEMPERATURE**

Optimum application temperature is between 15°C and 25°C.

The temperature of the working area should not be allowed to fall below 12°C throughout the application and curing time as the cure could be retarded and surface finish adversely affected.

**NON-SLIP APPLICATIONS**

For slip resistance, sprinkle Calcined Bauxite aggregate onto the **WET** primer coat.

The normal sprinkling rate is 4-8m<sup>2</sup> per 1kg aggregate, but this rate may be varied between 0.5m<sup>2</sup>-10m<sup>2</sup> per 1kg, depending on slip resistance required.

This method allows selective areas of non-slip treatment to be applied as required.

Spiked shoes should be worn to avoid disturbing the wet coating.

Allow to cure before overcoating to encapsulate the aggregate.

**POT LIFE**

*Flortex EP XFH* – approximately 15 minutes at 20°C.

**CURING TIMES**

*Flortex EP XFH* – Initial cure approx. 11 hours at 20°C.

Can be overcoated after 12-24 hours.

Full strength is achieved after 7 days.

**COVERAGE**

The coverage of *Flortex EP XFH* is 15-20m<sup>2</sup> per 5kg unit, depending on the texture and porosity of the surface, and the film thickness required.

**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.

**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: 01/19**

