

Flortex® EP XFH

Product Description

Extremely hard wearing pure epoxy floor coating

Flortex EP XFH is a 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 6 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 14 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 5kg unit, comprising a coloured epoxy resin blend Part 'A' and hardener Part 'B'.

Direction For Use

Surface Preparation

Substrates must be clean, dry and free of surface laitance and contaminants such as oil, grease, dirt and surface treatments. A loss of adhesion and failure in the coating can occur due to poor preparation.

Vacuum-assisted shotblasting or grinding are the recommended methods for preparing the substrate.

Prior to application of *Flortex® EP XFH* a suitable Polycote primer should be applied, depending on the type and condition of the surface.

For substrates in contact with the ground or for basement floors, a damp proof membrane must be incorporated. The base should have a relative humidity at the surface of no more than 75% when measured.

Mixing

All materials should be stored between 15°C and 25°C for a minimum of 8 hours before use. Having fully prepared the substrate, stir the individual components before mixing together. As pigment may 'sink', ensure that the mixing is very thorough and from the bottom of the container.

Add the Hardener (Part B) to the coloured resin (Part A) and thoroughly mix on a slow speed setting for 3-4 minutes.

Ensure thorough mixing as an unmixed product will result in a poor or non-cure situation. For best results use a heavy-duty slow speed drill with a mixing paddle.

Scrape the sides and bottom of the mixing vessel with a spatula several times as any unmixed material will result in uncured patches in the final finish.

Application

Apply by brush, medium pile roller or squeegee at an nominal rate of 0.25-0.35 kg/m². If applying a second coat, do so after a minimum of 6 hours and maximum of 24 hours.

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.

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.

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

Non-Slip Applications

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

The normal sprinkling rate is 4-8m² per 1kg aggregate, but this rate may be varied between 0.5m²-10m² per 1kg, depending on slip resistance required.

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

Allow to cure before overcoating to encapsulate the aggregate.

Pot Life & Curing Times

Coverage

Physical Properties

Cleaning

Shelf Life & Storage

Health & Safety

Any Questions

Flortex EP XFH pot life once mixed is approximately 12 minutes maximum at +20°C. High ambient temperatures will reduce pot life.

Recoat time is approximately 6-24 hours. Will accept pedestrian traffic in 8 hours, light wheeled traffic after 16 hours, full traffic after 24 hours and full chemical resistance in 5 days.

The coverage of Flortex EP XFH is 15-20m² per 5kg unit, depending on the texture and porosity of the surface, and the film thickness required.

Bond Strength:	> 2.0 N/mm ²
Wear Resistance:	AR0.5
Slip Resistance (PTV):	DRY > 50
BS 8204-6 / FeRFA:	Type 3
Chemical Resistance:	Very Good
VOC Content:	< 165 g/l

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 in unopened containers is approximately 12 months subject to conditions of storage. Store in a cool, dry, frost-free environment between 10-25°C away from sources of ignition.

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.

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.

	
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EN 13813 : SR-AR0.5-B2.0-IR>4.0 Synthetic resin screed material for internal use in buildings	
Reaction to fire	NPD _§
Wear resistance	AR0.5
Bond strength	B2.0
Impact resistance	IR>4.0