

# FIBFLOOR PRIMER 12

2 Component Oil Tolerant Solvent Free Epoxy Primer

Product # 114.3  
Version no: 16.11.23

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**PRODUCT DESCRIPTION:** FIBFLOOR PRIMER 12 is a two component oil tolerant epoxy based primer, suitable for priming concrete / metal surfaces, including walls, prior to the application of any Epoxy/PU based coating, topcoats and mortars.

## AREAS OF APPLICATION

Oil contaminated concrete base:

- Priming for PU based coating
- Priming for top coats and mortars
- Priming for low to medium absorbent surface
- Priming for binders for leveling mortars and mortar screeds

## ADVANTAGE

- Facilitates better bonding of Epoxy / PU Floor Coatings / Toppings, Epoxy based Screed and Epoxy Mortars with the substrate.
- Prevents air release from the porous substrate, which may otherwise cause bubbles in the final topcoats later.
- Seals porous surface to give quality finish.

## APPLICATION

### SURFACE PREPARATION

- Prepare the surface by mechanical grinding or other suitable methods depend on the depth of oil penetration.
- Remove dust, flakes, grease or other loose foreign particles by sand blasting, iron brush or compressed air.
- Remove older loose coatings using surface grinder or appropriate tools.
- For best bond, concrete surface must be prepared as per CSP 1, 2 or 3.
- Ensure that the new concrete is cured for at least 28 days and surface moisture content is below 4 % before application.

### MIXING

- Mix FIBFLOOR PRIMER 12 component A (Resin) & B (Hardener) thoroughly by using a medium speed drill mixer with a spiral type blade at the bottom of stirrer rod. The speed may be 400 rpm till a homogeneous mix is obtained.
- After stirring, wait for the product to settle in order to let entrapped air escape.

### APPLYING AND LAYING

- Apply FIBFLOOR PRIMER 12 by brush / roller onto the prepared surface.
- On porous surface, FIBFLOOR PRIMER 12 will be absorbed very quickly, leaving characteristic light colored dry patches. In such cases, it is recommended that a second priming coat be applied on these dry areas.

This not only helps to ensure good adhesion but also seals the pores of the substrate. It is recommended that a second primer coat should be applied on these dry areas.

- Ensure the primed surface is tack free before further application of Underlays, self-level screeds, Coatings and Toppings. Primer is allowed to dry for 6 - 8 hours or left overnight for drying.
- For installation of epoxy mortars/trowel-able screeds, the primer has to be in tacky condition prior to installation of the same.(if the coat has dried off, then re-apply the primer coat)

### CLEAN UP

- Clean all tools immediately after use with Fibrex Paint Remover. Do not allow material to harden.

### TECHNICAL SPECIFICATIONS

Theoretical Coverage*	250-300gms/m <sup>2</sup>
Pot Life @ 25° C	30 - 40 Minutes
Application Temperature	10 - 40° C
Overlay Time	Maximum 24 Hrs
Tack Free Time	3 - 4 Hrs
Full Cure Time	24 Hrs
Pull off Adhesion to Concrete ASTM D 7234	> 3 MPa Concrete Failure
Mix Density ASTM D 1475	1.05 ± 0.02 g / cc
Compressive Strength ASTM C 109	55 ± 3 Mpa
Tensile Strength ASTM D 638	14 ± 2 MPa
Mix Ratio (A:B)	2:1 (by weight )

### CHEMICAL RESISTANCE

Fibfloor Primer 12 is resistant to a variety of chemicals as given below:

10% Acetic Acid	Pass
25% Ammonium Hydroxide	Short Term
50% Caustic Soda	Short Term
10% Lactic Acid	Pass
25% Phosphoric Acid	Short Term
10% Sulphuric Acid	Short Term
10% Citric Acid	Pass
10% Hydrochloric Acid	Short Term

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## LIMITATIONS

- Do not apply FIBFLOOR PRIMER 12 on surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75 %.
- Do not apply FIBFLOOR PRIMER 12 on asphalt, weak or infirm concrete, unmodified sand / cement screeds, PVC tiles or sheets, or substrates known to move substantially. e.g. steel walkways

## Please contact FIBREX for installation of floor coating over

- Floors with moisture content over 4 %
- Floors with rising moisture problem
- Asphalt based floor (interior)
- Floors with a pull off strength less than 1.5 N / mm.

## PACKAGING

FIBFLOOR PRIMER 12 (A+B : 8.5 KG PACK)

1 Pack Cover 34 m<sup>2</sup> @250gms/m<sup>2</sup>

## Supply

2 Packs set : 17 KG (A Part : 2 Nos, B Part : 2 Nos)

## STORAGE

Store the material at temperatures between + 10° C and + 35° C in originally sealed packages, the material can be stored for twelve months. But before opening the drums, be assured that the temperature of the materials has the ambient temperature to avoid condensation. Open containers of material should be used quickly to avoid moisture contamination.

## PRECAUTIONS

During mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves and using, if necessary, a suitable barrier cream.

In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction to resin-based materials. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

## DISPOSAL / SPILLAGE

Spillage of the product should be absorbed onto sand or other inert material and transferred to a suitable disposable vessel.

Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

## NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

## HEALTH AND SAFETY

This material is intended to be used by trained professionals with proper equipment's. The following safety measures are recommended:

- Wear protective gloves, clothing, goggles, hearing protection for noise reduction and hard hats for falling debris.
- Do not eat, drink or smoke while in active contact with these materials.
- Avoid skin contact.
- Wash hands thoroughly with soap and cool water.
- Never wash the skin with a solvent.
- Anyone experiencing difficulty breathing when working with these materials or showing an allergic reaction should seek fresh air immediately and consult a physician if symptoms persist.

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