

FIBFLOOR AS PRIMER

Epoxy Base Surface Penetrating Primer for anti-static system

Product # 114.13
Version no: 16.11.23

Technical Data

PRODUCT DESCRIPTION: A solvent free, highly fluid non-pigmented black colored , two component preparation of liquid epoxy resin base with formulated amine hardener primer for anti-static system. Fibfloor AS Primer is designed for surface resistance in the conductive range of 10^3 to 10^5 ohms.

AREAS OF APPLICATION

- Solar Industry
- Electronics & Electricals
- Chemical Factory
- Pharmaceuticals & Laboratory
- Automobiles & Engineering
- School & Educational Institutes
- Milk & Dairies
- Operation Theatres, Hospitals
- Industrial floors
- Operating rooms
- Laboratories
- Production and warehouses

Areas where sensitive electrical and electronic equipment are located, where there is a risk of explosion.

ADVANTAGE

- Solvent free
- Low viscosity
- Short waiting time
- Excellent bond strength
- High Mechanical Strength
- Excellent Adhesion Properties
- Long lasting conductive properties
- Easily Cleanable & Low Maintenance
- Easy mixing and applying by brush or roller
- Highly penetrating give proper sealing of concrete

APPLICATION

SURFACE PREPARATION

Cement bound surfaces must be dry, firm, offer good traction, free from loose particles, dust and dirt and additionally free of oil, grease and other impurities which can adversely affect uniform adhesion. If considered necessary, the surface should be flame scaled, milled or grind. Iron and steel must be free of rust and scale and should be free from oil, dust and grease and other dirt particles. The best method of preparation is to flame scale. For best bond concrete surface must be prepared as per CSP 1,2 or 3.

MIXING

Mixing is carried out in a specially designed drum mixer or in a bucket with the help of drill mixer fitted with paddle. Mix Fibfloor AS Primer component A & B thoroughly with the help of mixer/drill mixer till a homogeneous mix is obtained.

APPLYING AND LAYING

The mixed material should be applied to the prepared surface using roller or brush. Ensure mix material is spread evenly. Do not re-roll later.

The work area should be protected during the installation process and during the initial curing time to ensure that no airborne debris can contaminate the surface of the wet resin as this will lead to unwanted blemishes in the hardened, cured surface.

CLEAN UP

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

TECHNICAL SPECIFICATIONS

Apparance component a	Epoxy Resin black liquid
Apparance component b	Epoxy hardener Brown liquid
Density of component a	1.35±0.02
Density of component b	0.96±0.02
Mix density (a+b)	1.29±0.02
Pot life	40 to 50 minutes @34°C
Consumption	200/250 gms/m ² depend on substrate porosity
Pull off Adhesion to Concrete ASTM D 7234	> 3 MPa Concrete Failure
Systems	1 - 2 coats (dependent on substrate porosity)
Shelf life	12 months(after manufacture date and if store in +10°C to +35°C with an open condition)
Over coat time	6 to 8 hrs @ 27°C
Relative air humidity	80 % max.
Substrate moisture content	< 4 %
Surface Resistivity	10^3 to 10^5 OHMS(conductive)
Mixing ratio	(A : B) 4 : 1 (by weight)

NOTE:

These figures are theoretical, due to the wastages and the variety and nature of substrates practical coverage figures may be reduced.

CHEMICAL RESISTANCE

Fibfloor AS Primer 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 AS Primer 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 AS Primer 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

- Oil / Fat rigged floors
- 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 AS PRIMER (A+B : 8.5 KG PACK)

1 Pack Cover 34 m² @250gms/m²

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.

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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.

DISCLAIMER

Fibrex Construction Chemicals products though are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Fibrex Construction Chemicals wishes to clarify that any advice, recommendation, specification or information is accurate and correct, though it cannot, at any time assume any liability either directly or indirectly arising from the use of its products. This is because it has no direct or constant control over where or how its products are applied, and whether or not in accordance with the advice specification, recommendation or information given by it.

FIBREX OTHER PRODUCTS – WE DO

