

**PRODUCT DESCRIPTION:** Fibpoxy BEC is a two component Bitumen Epoxy coating, where bitumen is made compatible to epoxy to achieve some specific properties like very low water absorption and good weather resistance.

## AREAS OF APPLICATION

Fibpoxy BEC is recommending as a coating material for protection of:

- Tanks, Piping, Silos
- Sheet Piling
- Dams, Barrage gates, Penstocks, Bridge abutments
- Crude oil storage tanks
- Foundation walls and sumps
- Concrete and Steel surfaces in sewage treatment plant
- Paper Mills
- Chemical Plants
- Underground structures
- Submerged structures

## ADVANTAGE

- Fibpoxy - BEC is manufactured and packed in two separate components in a convenient ratio of 4:1 by weight eliminating the need of weight at site during mixing.
- It cures to a hard smooth surface and possesses good resistance to the effect of water immersion, salt water, oil, acids, alkalis, crude oil, minerals etc.
- The cured Fibpoxy BEC coating is flexible and affords excellent resistance to impact, thermal shock and abrasion.
- Bitumen epoxy coating is being more popular due to its less cancerogenic-potential than coal tar epoxy.

## APPLICATION METHODOLOGY

### SURFACE PREPARATION

Concrete:

Ensure that the concrete surface to receive the coating is sound and free from dust particles, oil, grease old coatings etc. Any loose particles or laitance to be removed prior to coating with Fibpoxy BEC. The moisture content of the concrete should be below 4%. Smoother surface should be abraded by suitable method to ensure good bonding.

Steel:

Steel surface, which are to receive Fibpoxy BEC coating should be prepared by sand blasting or power tool or mechanical cleaning to a commercial Grey metal finish. If prepared surface is contaminated by moisture or other contaminants, they should be reblasted.

### 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 4 parts of Component A to 1 part of Component B by stirring thoroughly for at least 3 minutes. Allow the mix to stand for 10 minutes before application.

## APPLICATION

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.

For best results, apply two coats of Fibpoxy BEC by brush, roller or spray. First coat should be allowed to be tacky before application of second coat. Maintaining the same coverage one coat application is also suggested

## CLEAN UP

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

## TECHNICAL SPECIFICATIONS

Appearance	
Component A part	Blackish Brown liquid
Component B part	Transparent Liquid
Mix (A+B)	Black, dark brown
Mixing ratio(A:B)	4:1(By Weight)
Pot Life	4 - 6 hrs at 30°C
Finish	Semi-gloss
Theoretical Spreading Rate	5-6 Sqm/Kg in two coats Dried Film
Thickness	100 micron
Drying Characteristics at 30°C	Dry to touch - 4 - 6 hrs , Fully cured - 7 days

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LIMITATIONS

- Do not apply Fibpoxy BEC on surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75 %. Consult fibrex before using Fibpoxy BEC in those areas.
- Do not apply Fibpoxy BEC to asphalt, weak or infirm concrete, unmodified sand-cement screeds, PVC tiles or sheets, or substrates known to move substantially.
- Do not apply Fibpoxy BEC over treated expansion joints.

### 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<sup>2</sup>

### PACKAGING

Fibpoxy BEC (A+B : 5 KG PACK)

### Supply

2 Packs Set : 10 KG (A Part : 2 Nos, B Part : 2 Nos)

### STORAGE

Fibpoxy BEC Store at temperatures between + 10° C and + 40° C in originally sealed packages, the material can be stored for six 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 busing, 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. 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 any of the component products 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.

### DISCLAIMER:

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### FIBREX OTHER PRODUCTS – WE DO

