

# FIBPOXY - BEC

## Bitumen Epoxy Coating

### 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 recommended 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

### ADVANTAGES

- ❑ Fibpoxy - BEC is manufactured and packed in two separate components in a convenient ratio of 4:1 by weight eliminating the need of weighing 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, alkalies, 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 5%. 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 sandblasting 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

Mix 4 parts of Component A to 1 part of Component B by stirring thoroughly for atleast 3 minutes.

Allow the mix to stand for 10 minutes before application.

## APPLICATION

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

## TECHNICAL SPECIFICATIONS

Colour	- Black, dark brown
Type	- Two components cold cure
Pot Life	- 4 hours at 30oC
Application	- By brush/roller/airless spray Covering
Capacity	- 5-6 Sqm /Kg in two coats Dried Film
thickness	- 100 micron Drying time at 30oC Touch Dry
	- 3 to 4 hours
Hard Dry	- 7 days
Finish	- Semi-gloss
Cleaner/Thinner	- Fibpoxy - BEC thinner

## STORAGE

8 -9 months is original unopened containers. Store in cool dry place. Do not expose to direct sunlight.

## PACKAGING

4, 20 Kg packs & Project Standard.

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