

FIBPOXY ARC

Acid Resistance Epoxy Coating

DESCRIPTION

Fibpoxy ARC is a two component, a room temperature cured, 100% solids epoxy system designed to protect surface against severe chemical attack. This coating is specially made for protection against concentrated acids.

AREAS OF APPLICATION

- Protect concrete surfaces from chemical attack.
- Use it around chemical storage tanks and pumps to protect floors.
- Use it in tanks handling concentrated acids and other chemicals.

FEATURES & BENEFITS

- Easily applied with a brush or roller.
- Excellent adhesion to concrete surfaces.
- Excellent chemical resistance to concentrated acids.
- Temperature to 80oC.

APPLICATION METHODOLOGY

SURFACE PREPARATION

Concrete surface must be even, and free of pot holes. All oil, dirt, debris, paint and unsound concrete must be removed. Surface should be cleaned before application of coating with Xylene.

MIXING

Fibpoxy ARC Comp A and Comp B should be mixed separately for one minute using a electrical drill mixer. Then add Comp B to Comp A and mix thoroughly by electrical drill mixer for at least 2 -3 minutes till a homogeneous uniform colour is obtained.

COATING

After proper mixing of Comp A and Comp B, mixed material can be applied by brush or roller on the prepared surface. As the coating is very thick in consistency, it is always preferred to use stiff bristle brush.

COLOUR RANGE

Smoke Grey, Olive green and Brick Red.

CHEMICAL RESISTANCE

Sulphuric Acid 5%	- Excellent	Hydrochloric Acid 10%	- Excellent
10%	- Excellent	Hydrochloric Acid 20%	- Excellent
30%	- Excellent	Hydrochloric Acid 35%	- Very Good
Acid 50%	- Excellent	Chromic Acid 10%	- Excellent
75%	- Very Good	Chromic Acid 20%	- Very Good
10%	- Excellent	Phosphoric Acid 10%	- Excellent
Acid 20%	- Excellent	Phosphoric Acid 30	- Excellent
			- Excellent Sulphuric Acid
			- Excellent Sulphuric Acid
			- Very Good Sulphuric
			- Excellent Sulphuric Acid
			- Very Good Nitric Acid
			- Excellent Nitric
			- Excellent Nitric Acid



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50%
Acetate

- Very Good
- Excellent

Acetic Acid 30% - Unsatisfactory Buty

TECHNICAL SPECIFICATIONS

System	:	Prepacked system
Finish/Shine	:	Semi-gloss
Workable Time	:	30 - 45 minutes at 30oC temperature
Surface Dry	:	3 - 4 hrs at 30oC
Hard Dry	:	10 - 12 hrs at 30oC
Application Temperature	:	avoid application at air and floor temperature Below 10oC and above 40oC
Recoating Time	:	minimum 5 - 6 hrs and maximum 24 hrs
Curing Time	:	functional cure is achieved in about 24 hrs at 30C but full chemical resistance requires a cure time of 7 days
Coverage.	:	approximately 300-350g per m2 depending on surface conditions per coat. Minimum 2 coats is recommended for high acid resistance.
Dry Film Thickness	:	250 - 275 microns per coat at the above coverage rate.

CLEAN-UP

Tools are washable with Xylene.

STORAGE

1 year when stored in well sealed container

PACKAGING

FIBPOXY ARC 6kg & Project standard

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