BCI BUILDING CHEMISTRY INDUSTRY

BC Poxy 200

Product Description:-

BC Poxy 200 is a two component epoxy polyamine high-build, wear- resistant coating that provides protec tion against chemical attack. BC Poxy 200 provides a semi- gloss and matt finish consistency.

Features & Benefits:

Provides excellent wear under heavy traffic
Excellent resistance to a variety of chemicals Hardens to semi-gloss finish
Easy to apply with standard equipment
Can be applied as a non-slip floor finish Available in a range of colors
Hygienic in service, BC Poxy 200 will not support bacterial growth

Primary application:

Warehouse floors
Auto/truck repair
Chemical plants
Terminals
Fabrication facilities
Manufacturing plants
Showrooms

Colours :

Grey, Light grey and available upon request.

Technical information :

The following results were developed under laboratory conditions.

Mixing Ratio 100/13.2
Mixed Specific gravity 1.58 g/ml
Mixed viscosity @27°C 2500 cps
Suitable for wheel traffic @48 hours
Dry to touch (at 25o C) 6 hours
Pot Life (at 25o C) 2 hour

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Chemical resistance:

Acetic Acid, 5%	Excellent
Alkalies	Excellent
Ammonia	Excellent
Battery Acid	Excellent
Bleach	Excellent
Brake fluid	Excellent
Ethanol	Excellent
Ethylene Glycol	Excellent
Gasoline	Excellent
Hydrochloride Acid, 10%	Excellent
Methylene Chloride	Excellent
Nitric Acid, 5%	Excellent
Oil	Excellent
Salt water	Excellent
Skydrol	Excellent
Toluene	Excellent
Urine	Excellent
Xylene	Excellent
MEK	Excellent
MIBK	Excellent

Surface Preparation:

New concrete must be a minimum of 28 days old and possess an open surface texture with all curing com- pounds and sealers removed. The moisture content shall be checked before application of the coating.
The concrete must be clean and sound. All oil, debris, dirt, paints and unsound concrete be prepared mechanically using sandblast, shotblast or scarifier which will give an open surface profile with the cement past removed from the surface. The Above surface preparation is that recommended by BCI . Acid etching is acceptable only when mechanical preparation is impractical. It is recommended that only contractors experienced in the acid etching process use this means of surface preparation. The salt of the reaction must be thoroughly pressure washed away. Allow the concrete to completely dry.

Note:Even with proper procedures, an acid etched surface may not produce as strong a bond as produced by other preparation methods. Also acid etching will not remove oil, grease, sealers and other materials that will interfere with the bond on the surface of the concrete

Priming:

BC POXY 200 is self-priming

Coverage:

Approximately 2.8 m2/liter at 350 microns dry film thickness.
Packaging Available in 20 liter kits.
Color Grey, Light grey and available upon request.

Joint and Edges:

If the floor is subject to wheel traffic the edges of the floor area should be saw-cut (6 mm) deep to provide a locked in edge. Moving joints as in the case of expansion joints should be brought up through the coating. All cracks over 0.3 mm wide should be filled with100% solids epoxy such as BC poxy mortar 5000 to fill wide cracks, joints and keyed edges.

Mixing:

All material should be kept within an ambient temperature of 16°C – 32°C. Add Part B (hardener) into the Part A (resin). Using slow speed heavy duty fitted with a jiffy mixer. Mix BC Poxy 200 for at least 3 minutes until uniform consistency is obtained. The epoxy must be well mixed to ensure proper chemical reaction. Let stand for at least 5 minutes prior application.

Placement:

BC POXY 200 may applied using squeegee, roller or industrial sprayer. After application, it is recom- mended the coating be back rolled to reduce surface imperfections and improve bond.
For Non-skid application, fine sand can be broad- casted on the epoxy surface while still wet. Allow to cure for at least 24 hours and finally top with a thin coat of BC poxy 200

Health & safety:

Avoid application when air and floor temperature are below 10°C
For vertical surface, build up the thickness with multiple coat. Suggested thickness 100-150 micron WFT.
Store in room temperature environment 24 hours prior to use.
Avoid contact with eyes and skin. Epoxy components may cause irritation. Wear protective clothing, gloves, safety googles at all time.

NOTE: Thickness may be increased up to 500 microns, if desired. Greater thickness can be achieved by broadcast- ing silica sand as a filler. The concrete surface texture greatly affects coverage rates and final appearance.

Clean-up:

Clean tools and equipment with solvent such as Xylene, toluene or MEK. Do not allow the epoxy to harden on equipment.

Shelf life:

1 years

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