

BONDIT COAL TAR EPOXY

(Two component solvent coal tar epoxy coating for chemical resistance)

PRODUCT DESCRIPTION

Bondit Coal Tar Epoxy coating is a solvent free, epoxy system modified with coal tar. The amalgamation with coal tar imparts excellent chemical resistance properties with superb adhesion.

FEATURES & BENEFITS

- Prevents corrosion
- Chemicals, salt, alkali and acid resistant.
- Compatible with concrete, metal or steel structure.
- Superb waterproofing properties
- Excellent adhesion.
- Applicable to damp surface.
- It is solvent free and non-toxic.
- Ground gas and water vapour barrier.

AREA OF APPLICATION

- Pipes, sewerage, effluent plants, drainage harbour.
- Cooling tower and underwater structure.
- Asphalt, bitumen and tar based surfaces protection
- Waterproof membrane.

STANDARD COMPLIANCE

IS 9833-1981

APPLICATION INSTRUCTIONS

Surface preparation

- Surface should be cleaned with wire brush followed by vacuum cleaning to make it free of dirt, cement, laitance, mould oil etc.
- Get rid of gravel pockets, ridges. Defective joints and cracks should be chased out. Clean the cracks by blowing oil free air to completely get rid of dust and loose particles.
- Make sure to wash the surface with water to remove accumulated dust for good and effective bonding.
- Surface should be dry during application.

Mixing



Corporate Office

Sai Prithvi Arcade,
Office No. 3 & 4
First Floor, Above
Bata Showroom
Madhapur
Hyderabad 500081



- Bondit Coal Tar Epoxy is supplied as a two component product i.e. resin (pack A) and hardener (PACK B) component.
- The two packs supplied are pre-weighed in the correct proportion which needs to be mixed completely.
- Stir the content of resin and hardener thoroughly to disperse any settlement.
- Pour the entire content of PACK B to PACK A and mix thoroughly until a uniform consistency is obtained.
- Scrape the sides and bottom of the container.
- Heavy duty, slow speed electric drill fitted with a paddle should be employed for the mechanical mixing of the two packs.
- The mixed material should be applied with a suitable nylon type brush.
- Apply the first coat with a wet film thickness of 100 to 150 microns.
- Apply the second coat only when the first coat becomes tack free.
- The coating needs to be cured for 7 days.


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Cleaning

The tools should be immediately cleaned with Bondit Solvent.

Points to note

- Apply the material without diluting with thinner.
- At elevated temperature, resin and hardener packing should be stored in a cool dry environment away from direct sunlight.
- Place the mixing equipment in a cool place under shade protection.
- Provide good ventilation while applying to tanks or closed areas.

TECHNICAL DATA

Property	Test Standard	Typical Values
Appearance	Part A	Free flowing black viscous liquid
	Part B	White to pale yellow free flowing liquid
Pot Life @ 27°C, hrs		5-6 hrs
Mix Ratio, by wt.		2:1
Mixed Density @27°C, g/cm³		1.35 ± 0.1
Solid, %		85
pH value		6-7
Mixed viscosity @27°C, cps		35
Touch dry time, minutes		60
Full curing time @ 27°C, days		7
Bonding adhesion test, N/mm²		>4.5
Chemical Resistance		Good
1) Dilute acid		Passes

2) Alkali	Passes
3) Salt	Passes
Wet Film Thickness, microns	100-150
Minimum application temperature	10°C
Recoating time @ 27°C, hrs	7-9



COVERAGE

4 m²/kg per coat (120 microns per coat)

PACKING SIZE

1.5 kg

SHELF LIFE & STORAGE

12 months. Should be stored in cool and dry area in an unopened packaging at ambient temperature. It should be kept away from direct sunlight under normal temperature.

HEALTH AND SAFETY

Avoid contact with skin. Protective gloves, safety shoes, safety goggles and clothing are recommended when using this product. Avoid contact with skin and eyes. In case of accidental contact with eyes, wash with plenty of water and seek medical treatment immediately. Please refer to full MSDS (material safety datasheet) for this product, which is available from Bondit upon request.

TECHNICAL SERVICE

Technical information and guidance regarding BONDIT range of admixtures, repairs and bonding, waterproofing systems, epoxy industrial flooring systems etc, will be available from the technical services department, BONDIT CONSTRUCTION CHEMICAL PVT LTD.

Important note

BONDIT products undergo high standard quality checks and every reasonable precaution is taken in the manufacture of all products. BONDIT continuously strive to ensure the products, recommendations, specifications & information given is reliable, correct and accurate. No specific guarantee can be assured as product performance depends not only on quality but also on many other factors which are not under our control. The customer should make his own trials to determine the compatibility of the product for his own purpose. All products are sold subject to our standard terms and conditions of sale.



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