

DUBOND EP COAT CT

Bitumen Based Epoxy

High Build, Solvent Free, Bitumen Based , Epoxy Coating

Dubond's EP Coat CT protective coating is based on solvent free, epoxy resins together with selected pigments and thixotropic which enables a substantial film thickness to be applied on vertical surfaces. The cured film is extremely tough and has a smooth, hard, surface but with fairly good skid resistant properties. Dubond's EP Coat CT protective coating has excellent adhesion to concrete and metal surfaces, outstanding chemical resistance and is unaffected by oil, grease, petrol etc. It can be used in food processing areas since after curing it is taint free. It has excellent adhesion to the substrate and cures to form a flexible film that allows the surface to breathe and acts as carbon dioxide barrier thus protecting the concrete in aggressive weather conditions.

Uses

In coating structural steel, pipelines of steel and concrete and equipments for

- Barrage Gates
- Chemical Plants
- Coatings of drain pipes of aqueous wastes, effluent treatment plants.
- Fertilizer Plants
- Jetties and Pilings
- Protection of steel and concrete structures of bridges.
- Protective coating on underground sections of concrete substrates.
- Refineries & Petrochemical Plants
- Sewage Treatment plants
- Storage silos of granular chemicals.

Advantages

- Excellent adhesion to concrete and metal surface
- It has a very good skid resistance properties
- It has excellent gap bridging ability and does not age with time thus forming an extremely durable film.
- It has excellent resistance to waste water, fuel oil, crude oil, lubricating oil and spillage of acids and alkalis.
- It is superb in most severe corrosive environments and suitable for use in conjunction with Cathodic protection.
- The product is excellent in total or partial or intermittent immersion in salt or fresh water.
- The film allows the surface to breathe and acts as carbon dioxide barrier & thus protecting the concrete in aggressive weather conditions.

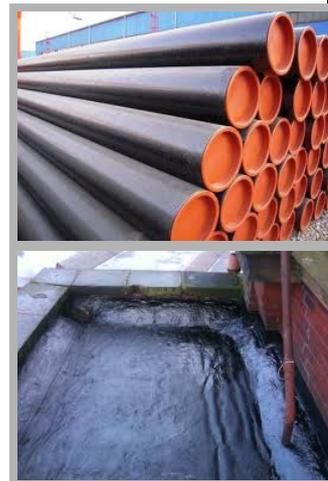
Direction for use

Metallic Surface :

Degrease and blast clean for the metal surface . If blast cleaning is not practical make full use of mechanical tools along with manual cleaning and wire brushing to remove loose rust / scale . Surface should be perfectly clean and dry before applying appropriate primer.

Concrete Surfaces :

Surface should be sound, level and free from grease, oil and all loose deposits, Blow holes and surface defects can be made good with epoxy putty to facilitate the application of a uniform continuous coating. Vacuum grit blasting or mechanical scrubbling techniques are recommended to ensure optimum adhesion.



For New Concrete Surface :

Ensure that the surface is cured for minimum 2 months. Remove laitence, loose surface powder by light sand blasting. If blast cleaning is not feasible, roughen the surface by acid etching with 10% Hydrochloric Acid solution followed by thorough freshwater hosing to remove any residual acid. The surface should be perfectly dry and clean before applying appropriate primer.

For Old Concrete Surface: Remove grease, oil etc by solvent wiping. Remove water-soluble contaminants by fresh water hosing. Roughen the surface by acid etching, if light sand blasting is not feasible. The surface should be perfectly dry and clean before applying appropriate primer.

■ Priming :

Dubond's EP Coat CT protective coating has excellent adhesion to concrete so that priming is not necessary. If the concrete substrate is exceptionally porous, a priming coat of Dubond's EP Coat CT for concrete is recommended, to be applied at a normal rate of 6M² / ltr. (Allow a minimum 24 hours dry / cure period before over coating with Dubond's EP Coat CT) As regards to steel surface, Dubond's EP Coat CT can be applied as priming coat.

■ Mixing :

Dubond's EP Coat CT protective coating comprises two components, the resin BASE and the HARDNER, which are supplied pre-weighed in the correct proportions. When required for application the HARDNER should be poured into the can containing the BASE and drained well. The two components should be thoroughly mixed using a mechanical sterrer, e.g. electric drill with paddle attachment, until material is uniform in color.

■ Application :

- Dubond's EP Coat CT protective coating should be applied by brush, roller or airless spray to give a continuous film on the prepared surface.
- The second coat should be applied in a similar manner at right angles to the first coat on the following day.
- The covering capacity of the coating will vary depending upon the porosity of the surface and the ambient temperature.
- This will give a final WFT (wet film thickness) of 325 to 350 micron for a two coat application.
- For slip resistance finish - sprinkle 3 kg/M² Dubond's EP Coat CT on the first coat. On subsequent day clean the excess aggregates and apply second coat on the aggregates. Use Dubond's EP Coat CT thinner for diluting and cleaning purpose.

■ Commissioning :

At ambient temperatures of 30°C or more, the Dubond's EP Coat CT protective coating will have hardened sufficiently in 1 day to allow light traffic, but full abrasion, and acid chemical, resistance will be achieved only after 7 days cure at 30°C.

■ Technical Information

Colour	Black
Finish	Semigloss
Flash Point	Above 20 °C
Specific Gravity	1.33
Mixing Ratio Base	Accelerator 10 : 1 (By Volume)
Volume Solids	80 % approximately
Recommended DFT	150 - 200 microns per coat.
Corresponding WFT	187 - 250 microns per coat
Theoretical Spreading Rate	5.3 – 4.0 M ² / liter
Drying time	Touch dry - 18 hours.
	Hard dry - 48 hours Full Cure - 7 days
Interval before over coating	Minimum - 24 hours Maximum - 7 days
Dry Heat Resistance	Upto 120 °C (Intermittent)

Packing

20 Kg Tin Pack, (16 liters of base & 4 liter of Hardener)

Storage Life :

Upto 9 months so long as the material is stored in sealed containers under standard warehouse storage conditions.

Safety Precautions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried).

- Use goggles and hand gloves during application
- Clean hands with warm soap water after application
- Treat splashes to eyes and skin immediately.
- If accidentally ingested, seek immediate medical attention.
- Keep away from children and animals.
- Reseal containers after use.
- Do not reuse containers for storage of consumable item.
- Do not apply when temperature falls below 10°C or rises above 50°C and when relative humidity rises above 90%.
- Do not apply during rain, fog or mist.
- Use of thinners other than supplied or approved by Dubond may adversely affect product performance and void product warranty whether express or implied.
- Please refer to the separate safety data sheet available with detailed information.
- For proper curing of film, ambient temperature should not be lower than 10°C.
- Adequate ventilation must be maintained specially while painting in tanks and similar confined places. This is to ensure proper curing of film and also safe working condition for the painters.

DISCLAIMER The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

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