TARALAC®

TARA PAINTS & CHEMICALS

(An ISO 9001:2015, 18001:2007 Certified Company)

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SOLVENT FREE EPOXY 100 % FC PAINT

PRODUCT CODE: 2303 - EPOXY FC RAL – 7001 (PART A + B)

General Description:

EPOXY TOP COAT PAINT is a, two components, **and high solid 100% epoxy coating**. System consist of an epoxy resin and polyamine hardener. Specially formulated to give superior adhesion, abrasion resistant and excellent heavy-duty coating. It consists of Aliphatic "IPD" resin/curative for versatile combination for chemical resistance, damp surface adhesion. It has high build cross linking density & Passes 3000 hrs salt spray test & can give 500-1000 microns dft. in single coat.

Major Uses:

- Ideal for machine shops, heavy engineering plants, chemical process areas, passenger walkways in airports when an attractive appearance must be coupled with exceptional wear resistance and laboratories subjected to mild acids and spillages. Radial Gate and Hoist Mechanism at the dams.
- It is also widely used for commercial and industrial establishments, heavy-duty loading bays and storage. On floors such as breweries, textile mills, distilleries and other food processing, Tank linings and manufacturing industries.

Advantages:

- Solvent free – low odor.
- High chemical resistance.
- Hard wearing.
- Easy to clean – seamless.
- Flexible and waterproof.
- Available in wide range of color.
- Exceptional wear – resistance.
- Non – slip also Available
- Excellent abrasion resistant.

Characteristics and Physical Properties

Appearance	Coloured Liquid
Mixing Ratio	2 : 1
Solid Content	100%
Specific Gravity	1.2 – 1.9
Pot Life @ 30^{0}C.	30 – 35 minutes.
Initial Hardness @30^{0}C	8 - 10 Hours.
Full Cure @30^{0}C	7 Days
Compressive Strength	80 N/mm^2 ASTM C 579
Flexural Strength	28 N/mm^2 ASTM C 580
Water Absorption	0.2%
Modulus of Elasticity	5500 N/mm^2 ASTM C 580

Chemical Resistance Properties

Hydrochloric Acid -	Excellent
Sulphuric Acid,20% -	Excellent.
Phosphoric Acid, 20% -	Excellent.
Lactic Acid, 20% -	Very Good.
Sodium hydroxide,50% -	Excellent.
Water, de – ionized -	Unaffected
Sulfuric Acid, 14% -	Unaffected
Nitric Acid, 10% -	Unaffected
Acetic Acid, 30% -	Unaffected
Caustic Soda, 20% -	Unaffected
Petrol -	Unaffected
Toluene -	Stiffened
Xylene -	Unaffected
Styrene -	Unaffected
Hydraulic Fluid -	Unaffected
Alcohol -	Excellent.
Ketones -	Good.

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Surface Preparation:

Old Concrete:
Concrete should be dry, free from dust, oil, loose debris and other contaminants. Remove all existing coat (if any) by scraping, grinding or with paint remover. Apply one (1) coat of multi – etch solution and rinse with fresh water and let it dry for 24 hrs. to ensure an excellent penetration.

New Concrete:
New concrete should be cured for at least 28 days, the moisture content of the substrate should be less than 5%. Apply one (1) coat of etch solution, rinse and let it dry. Remove all loose debris prior to the application of EPOXY TOP COAT PAINT.

Mild Steel:
Steel should be sanded up to sa21/2. The Epoxy coat should be applied using suitable brush / roller so that overall thickness of approx. 350-450 microns is achieved. The range is given for the decision of Engineer in charge where the DFT minimum or maximum is required. Allow the coating to dry for at least 48 hours before ultimately exposing to fluid media.

Maintenance:
Remove all traces of oil, grease and other contaminants with suitable degreaser and detergent. Remove all rust and loose materials by power tool cleaning or by wire brushing. Application of wash primer to damaged or rusted surface is recommended prior to the application of EPOXY TOP COAT PAINT. Surface contaminated with oil or grease should be flame cleaned or by using a degreaser and wash with detergent.

Important Note:

- Avoid inhaling vapor. Do not use below 5◦C
- While applying the atmospheric moisture should be less than 75%.
- While applying in food base industry the work should only be started after 7days of application.

Storage:

At least 1 year in unopened cans. The product should be stored in cool and dry area. Keep container tightly closed.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or TARALAC Epoxy Thinner as soon as possible.

Physiological Hazards:

Keep Resin and Hardener away from eyes and skin contact. Good ventilation should be provided particularly in closed work areas. Keep uncured epoxy materials away from the mouth, food or drink, do not use empty tins to store food and do not empty cans into drains. Always wear gloves and safety materials when handling this product. Clean any splashes or smears from the skin immediately, using warm water and soap. Avoid inhaling vapor.