

ECMAGUARD - TC

UV STABLE, POLYURETHANE BASED TOP COAT

Description

ECMAGUARD TC is a two component, UV stable protective top coating to enhance the durability and performance of Polyurethane or Polyurea membranes in exposed conditions as it provides excellent weather resistance and light stability. ECMAGUARD TC films are hard, tough but flexible and have excellent adhesion over Polyurethane or Polyurea coatings.

Uses

- Weather resistant, Exposure grade Top Coating
- Multi-purpose Top Coating – Building Roofs, Stadiums, Industrial & Infrastructure Structures
- Yellowing prevention Top Coating for Polyurea and Polyurethane

Advantages

- Seamless, High-gloss coating
- Cold application, easy to apply. It cures at room temperature.
- Excellent adhesion and abrasion resistance in polyurethane, poly urea and composite elastic materials.
- Excellent UV and weather resistance
- Mild chemical resistance

Technical Specifications

Appearance	Pack A-Transparent, Pack B- Pigmented
Physical State	Pack A-Liquid, Pack B-Liquid
Mixing Ratio	Pack A: Pack B – 1: 4
Specific Gravity at 27°C Pack A	1.0±0.05
Specific Gravity at 27°C Pack B	1.0±0.05
Viscosity at 27°C Pack A, Cps	<60
Viscosity at 27°C Pack B, Cps	<1000
Pot Life 27 °C	2~3 Hours
Curing Time at 27°C	12±5 Hours
Re-coating Time	8-24 Hours
Theoretical Coverage (Kg/m ²)	0.2±0.05

Application Instructions

Surface Preparation

Substrates or surfaces shall be sound, clean and free from dust, loose particles oil, grease, dirt, moisture and chemical contaminations.

Mixing

Stir the Component A and Component B separately. Add component A slowly in component B whilst stirring using a slow speed (500-1000 rpm) electric mixer and mix at least 5 minutes and get homogeneous material for application.

Application:

Mixed ECMAGUARD TC material can be applied by brush, roller or with sprayer on dry surfaces as top coating with coverage @ 0.15-0.20 Kg/ Sqm/ coat.

Precautions

1. Mix only quantity as necessary and it should be used within pot life.
2. Hardener reacts with moisture, close a cap of remaining material immediately, and store in an air-tight container, in a cool, dry place.
3. Clean all painting instruments with suitable Thinner after use.
4. Re-coating intervals should be observed by recommended time.
5. For perfect film properties, avoid application in rainy day (humidity<80%)

Packaging

Total Pack 20 Kg (Pack A- 4 Kg and Pack B- 16 Kg)

Shelf Life

12 Months from the date of manufacture in a factory sealed, original containers when stored in a cool, dry & place at room temp. (5-30°C).

Storage & Handling

Store in an air-tight container in a cool, dry & well-ventilated place at room temp. Keep away from heat and open flames. Keep container closed when not in use. Please avoid stacking of containers and handle carefully during transport. Please avoid exposure to humidity and avoid contamination of water, and alcohol.

Safety Precautions

Wear all PPE's at the time of application like Safety boot, Safety Goggle, Hand Gloves, Mask and avoid contact with Skin and Eyes. Any direct skin contamination with the hardeners should be washed off immediately with soap and water.

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