



## Top Tar EP-1000

### Product Description

Top Tar EP-1000 is a solvent-based, two-component coal tar epoxy coating designed for heavy-duty protection of steel and concrete structures exposed to aggressive environments. It combines the chemical resistance of epoxy resins with the water-impermeability of coal tar, making it ideal for marine, industrial, and underground applications.

### Product uses:

- Marine Structures: Protection of ship hulls, docks, jetties, and offshore platforms against seawater immersion and corrosion.
- Underground & Submerged Steel: Pipelines, tanks, and piles exposed to soil moisture or groundwater.
- Concrete Protection: Basements, foundations, and retaining walls requiring waterproofing and chemical resistance.
- Industrial Facilities: Chemical plants, refineries, and wastewater treatment plants where aggressive environments demand long-term durability.
- Bridges & Infrastructure: Steel and concrete bridges, piers, and supports exposed to harsh weather and water.

### Feature of the product :

- Excellent resistance to water, seawater, and chemicals.
- High build, heavy-duty protection in one coat
- Strong adhesion to steel and concrete substrates
- Long-term corrosion protection
- Suitable for immersion and buried service

### TECHNICAL PROPERTIES

<i>Appearance/Color</i>	Semi Gloss / Black
<i>Density:</i>	1.5 kg/liter (Mixed)
<i>Volume solids %:</i>	85 ± 5 %
<i>Theoretical spreading rate:</i>	4.25 m <sup>2</sup> /ltr / 2.84 m <sup>2</sup> /kg (200 micron DFT)
<i>Recommended DFT:</i> (Dry Film thickness)	200-400 micron
<i>Flash Point:</i>	>25 °C/77 °F
<i>Open time:</i>	120-180 minutes (23°C and 50% R.H.)
<i>Recoating Time:</i>	12 approx. hour(s) 23°C/73.4°F 50% R.H
<i>Light foot traffic</i>	12-14 hours (23°C and 50% R.H.)
<i>Full dry:</i>	24 hours (23°C and 50 % R.H.)
<i>Full cure time:</i>	7 days (23°C and 50 % R.H.)
<i>Application temperature:</i>	+8 °C/46.4° F and +35 °C/ 95°F
<i>Min. cure temperature:</i>	+10°C/50°F

### Application Details

<i>Mixing Ratio:</i>	Component A: 4- Component B: 1 (By weight)
<i>Application method:</i>	Roller & Brush – Airless Spray
<i>Pot Life:</i>	2-3 hours
<i>Thinner:</i>	Epoxy thinner
<i>Thinner Amount:</i>	5 % for Airless spray – 10 % for roller



## **Surface Preparation:**

- Steel: Blast clean to Sa 2½ (ISO 8501-1), remove dust and contaminants.
- Concrete: Ensure fully cured, dry, and free of laitance. Mechanical abrasion recommended.
- Other substrates: Consult TTC Coating technical service.

## **PRECEDING COAT:**

- Top Floor 600-SF For concrete surfaces
- For metal surface please consult the technical department in our company

## **Important Remarks:**

- Surfaces must have enough structural strength.
- Concrete should have minimum of 25 N/mm<sup>2</sup> compression resistance and minimum 1, 5 N/mm<sup>2</sup> tensile strength.
- Applications below 10°C should be avoided.
- High temperatures lower the pot life of the product, while low temperatures extend cure time and consumption.
- Be careful about product mixing ratios.
- The surface should be protected from moisture and rain for 12-16 hours after application.
- All application tools and equipment should be cleaned with thinner immediately after the use. Cured material can only be removed mechanically.
- Use only where application and drying can proceed at temperatures above: 10°C/50°F. The temperature of paint itself should be 15°C/59°F or above. Apply only on a dry and clean surface with a Temperature above the dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.
- The natural tendency of epoxy coatings to chalk in outdoor exposure.

## **Shelf life & Storage:**

12months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

## **Safety:**

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

## **Mixing:**

Before mixing with the curing agent, stir the base thoroughly in order to prevent any possible settling after storage. After mixing it is equally important to maintain stirring to keep the wet paint as a Homogeneous mixture.

## **Legal Notice:**

The information presented herein is given in good faith but without warranty. It's based on our experience, indicates our laboratory work results and does not necessarily indicate final product performance. We cannot be held liable for the results obtained with our products and for any loss or accident that may result from its use. Our suggestions don't release you from the obligation to check their validity and to test our products for both your process and end use application. All our products are sold in accordance with our General Conditions of Sale. We don't make any warranty, express or implied, including but not limited to the merchant ability and fitness for a particular purpose.