



## Topxy Coating 5050 SF

### Product Description

Topxy Coating 5050 SF is a two component, polyamine based epoxy specifically for potable water tanks. It is high solids, high-build potable water coating widely used for lining interior steel and concrete tanks, valves and pipe. Formulated for application at conventional builds (100-150 micron per coat) as well as high builds (250 micron per coat).

### Product uses:

- Potable water tanks (concrete or Metal)
- Sea water tanks.
- Water pipes
- Valves coating

### Properties

- Corrosion, chemical and abrasion resistant
- Solvent free - suitable for use in confined areas.
- High build application.
- Zero VOC
- Easy to clean

### TECHNICAL PROPERTIES

<i>Appearance/Color</i>	High Gloss / White or Blue color
<i>Density:</i>	1.53 kg/liter (Mixed)
<i>Volume solids %:</i>	100 %
<i>Theoretical spreading rate:</i>	5 m <sup>2</sup> /ltr / 3.29 m <sup>2</sup> /kg (200 micron DFT)
<i>Consumption:</i>	0.200 – 0.250 ltr/ m <sup>2</sup> ( 300-350 g/m <sup>2</sup> )
<i>Recommended DFT:</i> <i>(Dry Film thickness)</i>	200-250 micron
<i>Flash Point:</i>	120 ° C. /248 °F
<i>Open time:</i>	2 hours (23°C and 50% R.H.)
<i>VOC:</i>	10 g/ltr
<i>Surface dry:</i>	1-2 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

# Technical Data Sheet



## Chemical Resistance:

Sulphuric Acid (H <sub>2</sub> SO <sub>4</sub> ) 30 %:	Excellent
Sodium Hydroxide (NaOH) 25%:	Excellent
Engine Oil :	Excellent
Lactic Acid (C <sub>3</sub> H <sub>6</sub> O <sub>3</sub> ) 25%:	Good
Ammonia Solution 25%:	Good
Citric Acid (C <sub>6</sub> H <sub>8</sub> O <sub>7</sub> ) 25%:	Good
Petrol:	Excellent
Sugar Solution 40%:	Good
Hydrochloric Acid (HCl) 30%:	Excellent

## Application Details

<i>Mixing Ratio:</i>	Component A: 4 - Component B: 1 (By weight) Component A: 3 – Component B: 1 (By Volume)
<i>Application method:</i>	Roller & Brush – Airless Spray
<i>Pot Life:</i>	2 hours
<i>Thinner:</i>	Do Not Thin The Product
<i>Thinner Amount:</i>	Do Not Thin the product

## Surface Preparation:

**Concrete Surfaces:** Concrete should be minimum 28 days old to allow for curing. Prior to the application of any coating the maximum moisture content allowed is 4%. Concrete Substrates must be cured, sound, clean, dry and free from laitance, loose particles and contaminants such as oil, grease, curing compounds, shuttering oils, chemicals, etc. This is achieved by using the adequate combination of mechanical means such as abrasive blast cleaning, grinding, high-pressure water jetting (150 bars/ 2200 psi) and detergent cleaning. Unsound concrete, surface defects, blowholes, honeycombs, aggregate pop-offs, and the like should be repaired using “**Topox Filler SF-050**”

**Steel surfaces:** All surfaces should be grit blasted to meet the requirements of AS1627.4 Class 2.5. The lining work should be programmed so that newly cleaned steel is coated as soon as possible before the reformation of rust or scale.

## PRECEDING COAT:

- Top Floor 600-SF (Concrete Surfaces)
- Top Floor TS 650-MT (concrete Surfaces)
- Top Mastic Epoxy 450 (metal Surfaces)



## ***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:***

24 months 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:***

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