

### TANKTOP – EPP - TNK LINE

**DESCRIPTION** : It is a specially modified, epoxy resin based two-component paint. It is used especially inside the tanks that require chemical resistance. It has high resistance to chemicals such as fuel oil and gasoline. It is used as a protector inside tanks. Due to the cross-linking effect it creates, it provides very strong coating.

**AREAS OF USE** : It is especially designed for storage and carriage tanks and on metal and concrete surfaces that are exposed to acid and base like chemicals. It has a very strong physical and chemical resistance.

**SOLVENT** : Solvent – Epoxy thinner

**APPEARANCE** : Semi Matt

**COLORS** : Blue-Gray

**DENSITY** : 1,45 kg/L (as a mixture)

**SOLIDS** : by volume : % 60 ± 1 (ASTM D 2697-03)

**V.O.C.** : 394 g/L (ASTM D 3960-05)

**PACKAGE** : 24 kg 1.component and 4 kg 2.component

**STORAGE** : The product should be stored in a cool and dry location; the package covers should always be closed. Best kept over 5 degrees. Under proper conditions, storage life is 1 year.

**PREPARING THE PAINT** : **Mix well before use.** Open packages should not be used and supplier should be contacted. Due to the two-component nature of the product, it is utmost important that the mixture is made as per stated amounts. Any different mixture will contradict all theoretical estimations.

**PREPARING THE MIXTURE:** 1<sup>st</sup> component is the paint and 2<sup>nd</sup> component is the hardener. The paint and the hardener should be mixed as **6:1 ratio in terms of weight**. The amounts should be precise, any variation should be avoided. The mixture should have the fluidity for being used with epoxy thinner. The mixture should be used within 4-8 hours after preparation. Otherwise, the mixture will become jelly-like and unusable. When the two components are mixed, a drying reaction will begin. Thus, the produced amount should be equivalent to the amount to be used.

**PREPARING THE SURFACE:** Endurance of the coating system depends on proper cleaning of the surface. The surface should be cleaned from dirt, rust, grease and other unspecified layers. Best solution is

received by spraying method in accordance with DIN 55928 section 4, standard degree Sa 2 ½ or DIN ISO 12944-4. If the conditions in the location would not allow you to work with this degree, you may carry out the cleaning on St2 degree as well. (ISO 8501-1: 1998)

**APPLICATION TEMPERATURE:** Air and surface temperature should be between 5-30°C Relative humidity rate is as important as the temperature. Surface temperature should be at least 3 °C more than dew point temperature.

**APPLICATION METHOD :** with airless or air gun.

**APPLICATION :** The application can start after the surface is prepared for painting and the paint is mixed as described. During application the equipment is as important as the paint. Brush or roll applications are recommended. However, it can also be applied with a gun. It is utmost important that the mixture is made as per stated amounts and the temperature should be at least over 5°C during application. One coat can be applied on top of the other. 2 coat applications are recommended. During wet coat applications, at least 30 minutes flash off period should be waited After this period, the second coat application can begin. Mixture life is 4 hours (in 20 °C).

**DRYING TIME :** Considering 20<sup>0</sup> C and 65% of relative humidity rate

Non- dust holding Drying	Dry to Handle	Assembly Drying	Mechanical Drying
Approximately 1-2 hours	Approximately 4-7 hours	Approximately 24 hours	Approximately 7 days
If oven-dried 30 minutes in 80°C would suffice.			

**PAINTED AREA :** Depending on the surface, for both coats 5 m2 area can be painted with 1 lt. (calculations based on 100 micron dry film thickness)

**SAFETY WARNINGS :** Keep out of reach of children. Store in a cool place, best between 10 - 25 °C. Upon contact with eyes, wash with water and consult a doctor. If swallowed, immediately consult a doctor.