

EPICON T-800

Product description:

EPICON T-800 is an anticorrosive paint based on epoxy phenolic resin.

It provides excellent physical properties such as adhesion, toughness, abrasion resistance, etc. as well as chemical resistance to salt-water, fresh water, petroleum products, crude oil, alkalis and weak acids.

It is suitable as a protective coating for tank interiors.

It is suitable for COT PSPC.

Airless spray can build a dry film thickness of 75-160 microns per coat.

Meets the EI 1541 performance standards for protective coating systems used in aviation fuel storage tanks and piping.

TECHNICAL DATA

Type:	Epoxy phenolic paint.		
Recommended use:	Product carrier tank, Crude oil tank, Chemical tank, etc.		
Surface Preparation:	New building: Consult your CMP representative for recommendations. Repair/Maintenance: Remove oil and grease etc. Remove salt and the other contaminants by (high pressure) fresh water cleaning and completely dry. Clean damaged area by abrasive blasting to the standard Sa2.5 (ISO 8501-1:2007) minimum or power tooling to St3 (ISO 8501-1:2007). Water jetting: Consult your CMP representative for recommendations. Type and degree of surface preparation depends on type and condition of actual substrate and on desired performance. Use in accordance with standard worldwide marine specifications.		
Physical Data:	Colour:	Light grey, Grey, Red brown	
	Flash point:	25°C (Mix)	
	Volume solids %:	65 ±2	(ISO : 3233 (1998))
	VOC (Theoretical):	359 g/l	
Application Details:	Mixing ratio:	Base: 84	Hardener: 16 (by volume)
	Thinner:	EPOXY THINNER B	
	Min. Temperature:	10 °C	
	Surface temperature:	Dew point + min.5 °C on steel, Dew point + min.3 °C on paint film	
	Max. humidity:	Maximum 85% R.H.	
	Application Data:	Airless spray, brush, roller* Add the hardener to the base whilst mixing. Stir well before use.	
For airless spray:	Tip No.:	Graco 619, 621, 623	
	Paint output pressure:	14.7 - 17.7 MPa	
	Thinning:	0 - 10% (by volume)	
Film thickness and spreading rate:		Min.	Max.
	Film Thickness, wet:	115	246 μm
	Film Thickness, dry:	75	160 μm
	Spreading Rate: (theoretical)	8,7	4,1 m ² /l
Preferable preceding coating:	CERABOND 2000.		
Preferable subsequent coating:	EPICON T-800		
Packing:	Two Pack Product		

Notes: * In case of brush or roller application more layers may be required to achieve the specified film thickness. When painting edges and welds, stripe coating is recommended.

In confined spaces such as tank insides, ventilation is required during curing to remove solvent vapours to promote curing.

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Temperature	Drying time (at DFT 125 µ)	Overcoating interval (at DFT 125 µ)	Induction time	Pot life	Dry to launch	Remarks
-5 °C	-	-	-	-	-	-
0 °C	-	-	-	-	-	-
5 °C	-	-	-	-	-	-
10 °C	Surface dry: 2.5 hours Hard dry 24 hours	Min.: 24 hours Max.: 28 days*	-	7 hours	-	** 10 days
20 °C	Surface dry: 1.5 hours Hard dry 12 hours	Min.: 16 hours Max.: 21 days*	-	5 hours	-	** 7 days
30 °C	Surface dry: 30 min Hard dry 6 hours	Min.: 14 hours Max.: 14 days*	-	3 hours	-	** 5 days

** If the coated surface has been exposed to direct sunlight, the maximum painting interval.

* The coated surface should not be exposed to sunlight from manhole and other holes by using sun-net, etc.

If the coated surface is sweated or flooded by water, the surface should be roughened even if within coating interval.

@40 °C:

Surface dry: 15 min, Hard dry: 4 hrs, Overcoating Min.8 hrs, Max.10 days*, Pot life: 1.5 hrs, Remarks: ** 3 days.

Safety information: If Health, Safety and Environmental information is required a Health and Safety Data Sheet can be obtained from Chugoku Paints B.V.

Personal Protection advice and additional information can be obtained from the product Health and Safety Data Sheet which is available on request. The minimum safety precautions in dealing with this paint are:

- Observe the precautionary notices displayed on the container.
- Provide adequate ventilation.
- Avoid skin contact and inhalation of spray mist and vapours.
- If the product comes into contact with the skin, wash thoroughly with luke warm water and soap or suitable cleaner. If the eyes are contaminated, irrigate with water and seek medical advice immediately.
- Since the product contains flammable materials, keep away from sparks and open flames. No smoking should be permitted in the area.

Definitions:	Tolerances:	The numerical information quoted in this Technical Data Sheet is subject to normal manufacturing tolerances.
	Spreading Rate:	The spreading rate can vary depending on application conditions, the geometrical complexity of the structure, the weather conditions, etc.
	Volume Solids:	The volume solids figure given in this Technical Data Sheet is the percentage of dry film obtained from a given wet film thickness under specified application rate and conditions measured by the Chugoku Standard Method corresponding to ASTM method D2697.
	Overcoating Intervals:	The intervals given assume preparation consistent with good painting
	Hard dry:	The time taken until the product can be walked on without damaging it.
		Time taken until full mechanical strength is obtained is longer.
	V.O.C.:	Theoretical quantity of volatile organic compounds in g/l.

Disclaimer: Data, specifications, directions and recommendations given in this data sheet represent test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use is not guaranteed and must be determined by user. Product data is subject to change without notice and automatically void two years from issue. All legal relations of Chugoku Paints B.V. will be governed by the Uniform Terms of Sale and Delivery of Chugoku Paints B.V. as last filed with the district court of Rotterdam and upon request they will be made available without charge. Chugoku Paints B.V. explicitly rejects the applicability of any General Conditions, which its contractual parties may use. Exclusive jurisdiction: competent Court in Rotterdam.

The Inspector will undertake to the best of their ability, to carry out assistance during application of the products delivered by Chugoku, by only rendering advice in connection with the application at site. The Inspector undertakes to carry out the project in a conscientious manner, but Chugoku and/or the Inspector will not accept any kind of liability, direct or indirect, if the project does not give the results expected. Under all circumstances, the Buyer remains responsible for the execution of the project. Any advice and/or assistance rendered by the Inspector will be subject to such (final) responsibility of the buyer, and moreover subject to the Uniform Terms of Sale and Delivery of Chugoku Paints B.V. Even when damages or delays have been caused by faults or negligence on the side of Chugoku and/or the Inspector, such will not result in any liability whatsoever of Chugoku or the Inspector. Liability of both Chugoku or the Inspector for any consequential damages is explicitly excluded.

Some products have been specially modified to adapt to specific European requirements with regard to European-, national- and local laws and regulations or with regards to specific European use requirements. As a result some physical properties in a TDS may differ from those given in the original Japanese TDS.