

EPICON T-500

(EP T-500)

PRODUCT DESCRIPTION

EPICON T-500, is a anti-corrosive paint based on epoxy resin. Product provides excellent physical properties such as adhesion, toughness, abrasion resistance, etc. as well as chemical resistance to fresh water, petroleum products, crude oil, alkalis and weak acids. It is suitable for protection of tank interiors. It is suitable for COT PSPC. Airless spray can be a dry film thickness of 70-160 microns per coat.

PRODUCT INFORMATION

REDUCED INFORMATION					
Type	Epoxy paint				
Recommended Use	Product carrier tank, Cargo oil tank, Fresh water tank, Drinking water tank, Portable water tank, Hold, Solvent tank, Chemical tank, etc				
Type of binder	Pure epoxy				
Mixing Ratio	Base : Hardener = 78 : 22 (by volume)				
Color	Red brown, Grey, Light grey, White				
Flash Point	Base : 22.0 ℃, Hardener : 21.0 ℃				
Solids by Volume	58% ± 2 (Test Method : ISO-3233)				
VOC	403 g/ℓ (EPA Method24), 436 g/ℓ (Korea Clean Air Conservation Act)				
Coverage(Theoretical)	4.64 m²/ℓ [0.215 ℓ/m²] at D.F.T 125μm				
Wet Film Thickness	121 – 276 μm				
Dry Film Thickness	70 – 160 μm				
Drying Time (at D.F.T. 125μm)	Temperature	5℃	10℃	20℃	30℃
	Surface Dry	3.5 hrs.	2.5 hrs.	1.5 hrs.	30 min.
	Hard Dry	36 hrs.	24 hrs.	12 hrs.	6 hrs.
Painting Interval (at D.F.T. 125μm)	Minimum	36 hrs.	24 hrs.	12 hrs.	6 hrs.
	Maximum*	28 days.	28 days.	21 days.	14 days.
	Maximum **	10 days	10 days	7 days	5 days
Pot Life		10 hrs.	7 hrs.	5 hrs.	3 hrs.
Thinner	EPICON T-500 THINNER, EPOXY THINNER B, EPOXY THINNER D				
Method of Application	Airless spray, Brush, Roller				
Condition of Application	Temperature	: Minimum		5 ℃	
	Humidity	: Maximum		85 % R.H.	
	For Airless spray ;				
	Tip No.	: GRACO 619, 621, 623			
	Paint output pressure	: 14.7 - 17.7 MPa			
Preferable Preceding Coats	Viscosity	: 1.0 - 1.8 Pa·s			
	CERABOND 2000, EPICON ZINC RICH PRIMER B-2, EPICON T-500 PRIMER H, etc.				
Preferable Subsequent Coats	EPICON T-500				
Packaging	Two pack product				

TECHNICAL DATA (at 125 μ m)

Temp(℃)		0	5	10	15	20	25	30	35	40
Item										
Set to touch		-	3.5H	2.5H	2H	1.5H	1H	30m	20m	15m
Dry to hard		-	36H	24H	18H	12H	8H	6H	5H	4H
Dry to recoat	Min.	-	36H	24H	18H	12H	8H	6H	5H	4H
	Max.*	-	28D	28D	28D	28D	28D	28D	28D	28D
	Max.**	-	28D	28D	24D	21D	18D	14D	12D	10D
	Max.***	-	10D	10D	9D	7D	6D	5D	4D	3D
Dry to immerse	Body coating	-	20D	15D	10D	7D	7D	5D	5D	5D
	Touch-up	-	15D	12D	9D	6D	5D	4D	4D	3D
Temporary Immersion****		-	10D	8D	6D	5D	4D	3D	2D	2D
Pot life		-	10H	7H	6H	5H	4H	3H	2H	1.5H
Shelf life (M)		-	12M	12M	12M	12M	12M	12M	12M	12M
Max. heat resistance		Continuous: 60℃ / Non-continuous: 75℃								

Abbreviation ; Y : Year, M : Month, D : Day, H : Hour, m : Minute

* : Between EPICON T-500 PRIMER H and EPICON T-500

** : Between EPICON T-500 and EPICON T-500. (In case that the surface is never exposed to sunshine.)

*** : Between EPICON T-500 and EPICON T-500 (In case of outdoor exposure.)

**** : It means temporary immersion time for tank test or sea trial (max. period of immersion :7days)

Notes :

In common with all epoxy coatings, EPICON T-500 will show chalking and fading on exposure to UV light.

RECOMMENDABLE SURFACE PREPARATION

All surfaces to be free from various contaminants (oil, grease, dust, spray dust and etc.) and keep surfaces dry.
Kindly consult CSP sales office for specific information.

SAFETY PRECAUTIONS

In order to ensure safe use of our product, please be sure to follow the safety precautions indicated on the SDS and the paint container. If you need further explanation, do not hesitate to consult our personnel or our local distributors before buying, opening, using, or disposing the product. Since product contains flammable materials, keep away from sparks and open flame. No smoking should be permitted in the area on painting.

Wear an appropriate protector (eye and face protection, protective clothing, barrier creams, etc) when mixing, applying, or drying the paint. If products come into contact with the skin, wash thoroughly with warm water and soap or suitable cleaner. If the eyes is contaminated, irrigate with water and seek medical advice immediately.

DISCLAIMER

The information, including data, specifications, directions and recommendations, contained in this Data Sheet describes the experiment results under controlled or specially defined conditions and we do not guarantee that the Products, when used under the actual conditions of any intended use, will produce the same results. The performance of the Products in their actual use is affected by various factors, and the User must judge whether the Products are suitable for specific uses. We do not guarantee the performance of the Products under any specific operation environment other than the performance of the Products under the conditions described in this Data Sheet.

The content of this Data Sheet, which is intended for facilitation of the User's understanding and convenience of use of the Products, is subject to change at any time without prior notice. We use our best efforts to reflect the latest and most accurate information in this Data Sheet, but we will not bear any liability whatsoever relating thereto. The User must confirm that the Data Sheet is the latest version prior to using the Products.

We do not guarantee the performance or safety of the Products when used for a purpose or use other than what is described herein. Nor will we be liable for any explanation or guarantee provided by any distributor or sales agent with respect to the Products, other than what is described in this Data Sheet.

Furthermore, each of the Products described herein is composed of various chemical substances, some of which may contain toxic and/or harmful ingredients and may cause harmful results as a result of misuse or overuse of the Products. For specific causes of risk, conditions of use, harmfulness, etc. of each of the Products, please carefully read, prior to use of the Products, the MSDS (Material Safety Data Sheet) inserted in each of the Products. We will not be liable for any accident that may be caused in violation thereof.

The information given in this sheet is effective at the date shown above and subject to revision from time to time without notice.