

# EPICON T-500 PRIMER H

(EP T-500 H)

## PRODUCT DESCRIPTION

EPICON T-500 PRIMER H, based on a combination of epoxy resin and hardener, has excellent physical properties such as adhesion, toughness, abrasion resistance, etc. and chemical resistance to salt-water, petroleum products, crude oil, alkalis and weak acids, and it is particularly compatible with EPICON T-500.

## PRODUCT INFORMATION

Type	Epoxy coating				
Recommended Use	As primer for product carrier tank etc, interiors and useful as holding primer				
Type of binder	Pure Epoxy				
Mixing Ratio	Base : Hardener = 73 : 27 (by volume)				
Color	Pink				
Flash Point	Base : 13.0 ℃,    Hardener : 15.5 ℃				
Solids by Volume	35% ± 2 (Test Method : ISO-3233)				
VOC	578 g/ℓ (Method24), 597 g/ℓ (Korea Clean Air Conservation Act)				
Coverage(Theoretical)	7.00 m <sup>2</sup> /ℓ [0.143 ℓ/m <sup>2</sup> ] at D.F.T 50μm				
Wet Film Thickness	143 μm				
Dry Film Thickness	50 μm				
Drying Time (at D.F.T.50μm)	Temperature	5℃	10℃	20℃	30℃
	Surface Dry	120 min.	90 min.	40 min.	20 min.
	Hard Dry	24 hrs.	16 hrs.	8 hrs.	4 hrs.
Painting Interval (at D.F.T.50μm)	Minimum	24 hrs.	16 hrs.	12 hrs.	8 hrs.
	Maximum *	28 days	28 days	21 days	15 days
	Maximum **	10 days	10 days	7 days	5 days
Pot Life		24 hrs.	24 hrs.	16 hrs.	12 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 719			
	Paint output pressure	: 8.8 - 11.8 MPa			
	Viscosity	: 0.9 - 1.0 Pa·s			
Preferable Preceding Coats	CERABOND 2000				
Preferable Subsequent Coats	EPICON T-500				
Packaging	Two pack product				

**TECHNICAL DATA (at 50 $\mu$ m)**

Temp (°C)		-5	0	5	10	15	20	25	30	35	40
Item	Set to touch	-	-	120m	90m	60m	40m	30m	20m	15m	10m
	Min.	-	-	24H	16H	14H	12H	10H	8H	6H	5H
	Max.*	-	-	28D	28D	25D	21D	18D	15D	15D	15D
Dry to recoat	Max.**	-	-	10D	10D	8D	7D	6D	5D	4D	3D
	Dry to hard	-	-	24H	16H	12H	8H	6H	4H	3H	2H
	Dry to immerse	-	-	-	-	-	-	-	-	-	-
Pot life	Body	-	-	-	-	-	-	-	-	-	-
	Touch-up	-	-	-	-	-	-	-	-	-	-
Shelf life (M)		-	-	12M	12M	12M	12M	12M	12M	12M	12M
Max. heat resistance		Continuous: 60°C / Non-continuous: 75°C									

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

\* : In case that the surface is never exposed to sunshine

\*\* : In case of outdoor exposure

**Notes :**

In common with all epoxy coatings, EPICON T-500 PRIMER H 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.