

EPICON MARINE HB

(EPM HB)

PRODUCT DESCRIPTION

EPICON MARINE HB, based on a combination of epoxy resin and polyamide curing agent, has high-build excellent durability and adhesion properties.

It is suitable as a finish coat for protection of steel ships, bridges and steel structures.

PRODUCT INFORMATION

Type	Epoxy / Polyamide finish coat, high-build				
Recommended Use	Finish coat of epoxy system of steel ships, bridges and other steel structures				
Type of binder	Epoxy / Polyamide resin				
Mixing Ratio	Base : Hardener = 73 : 27 (by volume)				
Color	White, As specified				
Flash Point	Base : 23.0 ℃, Hardener : 27.5 ℃				
Solids by Volume	58% ± 2 (Test Method : ISO-3233)				
VOC	377 g/l (Korea Clean Air Conservation Act)				
Coverage(Theoretical)	5.80 m ² /l [0.172 l/m ²] at D.F.T. 100μm				
Wet Film Thickness	86 – 172 μm				
Dry Film Thickness	50 – 100 μm				
Drying Time (at D.F.T. 100μm)	Temperature	5℃	10℃	20℃	30℃
	Surface Dry	3.5 hrs.	2.5 hrs.	1.5 hrs.	1 hr.
	Hard Dry	38 hrs.	28 hrs.	16 hrs.	12 hrs.
Painting Interval (at D.F.T. 100μm)	Minimum	24 hrs.	18 hrs.	10 hrs.	8 hrs.
	Maximum	-	-	-	-
Pot Life		4 hrs.	3 hrs.	2.5 hrs.	1.5 hrs.
Thinner	EPICON THINNER, EPOXY THINNER A				
Method of Application	Airless spray				
Condition of Application	Temperature	: Minimum - 15 ℃			
	Humidity	: Maximum 85 % R.H.			
	For Airless spray ;				
	Tip No.	: GRACO 719, 721			
	Paint output pressure	: 14.7 -17.7 MPa			
	Viscosity	: 1.5 Pa·s			
Preferable Preceding Coats	BANNOH Series, UMEGUARD Series, etc.				
Preferable Subsequent Coats	-				
Packaging	Two pack product				

TECHNICAL DATA (at 100 μ m)

Temp (°C)		-10	-5	0	5	10	15	20	25	30	35	40
Item												
Set to touch		8H	5.5H	4.5H	3.5H	2.5H	2H	1.5H	1.5H	1H	0.8H	0.6H
Dry to recoat	Min.	48H	38H	30H	24H	18H	14H	10H	9H	8H	6H	5H
	Max. *)	-	-	-	-	-	-	-	-	-	-	-
Dry to hard		72H	55H	44H	38H	28H	22H	16H	14H	12H	10H	8H
Dry to immerse	Body coating	-	-	-	-	-	-	-	-	-	-	-
	Touch-up	-	-	-	-	-	-	-	-	-	-	-
Dry to Touch-up		48H	38H	30H	24H	18H	14H	10H	9H	8H	6H	5H
Pot life		6H	5H	4H	4H	3H	3H	2.5H	2H	1.5H	1.5H	1H
Shelf life (M)		12M	12M	12M	12M	12M	12M	12M	12M	12M	12M	12M
Max. heat resistance		150°C										

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

Notes :

1. *)Please consult with CSP sales office
2. In common with all epoxy coatings, EPICON MARINE HB 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.