

# PERMAX No.3300

(PM 3300)

## PRODUCT DESCRIPTION

**PERMAX No.3300**, based on a combination of epoxy resin with glass-flake. It provides excellent physical properties such as adhesion, toughness and abrasion resistance, etc., and chemical resistance to salt water, fresh water, crude oil, alkalis and weak acids.

It is suitable for protective coating of splash zones, underwater areas and tank interiors.

## PRODUCT INFORMATION

Type	Epoxy mastic paint with glass flake				
Recommended Use	Splash zone and underwater area of ship's outer shell and offshore structures				
Mixing Ratio	Base : Hardener = 77:23(by volume)				
Color	Light Grey, Red Brown				
Flash Point	Base : 32.0 ℃,    Hardener : 28.0 ℃				
Solids by Volume	80% ± 2 (Test Method : ISO-3233)				
VOC	241 g/l (EPA Method24), 302 g/l (Korea Clean Air Conservation Act)				
Coverage(Theoretical)	3.20    m <sup>2</sup> /ℓ [0.312 ℓ/m <sup>2</sup> ] at D.F.T 250μm				
Wet Film Thickness	250 – 625    μm				
Dry Film Thickness	200 – 500    μm				
Drying Time (at D.F.T. 250μm)	Temperature	5℃	10℃	20℃	30℃
	Surface Dry	7 hrs.	4 hrs.	2.5 hrs.	1.5 hrs.
	Hard Dry	24 hrs.	13 hrs.	7 hrs.	5 hrs.
Painting Interval (at D.F.T. 250μm)	Minimum	24 hrs.	13 hrs.	7 hrs.	5 hrs.
	Maximum*	7 days	7 days	7 days	7 days
Pot Life		8 hrs.	5 hrs.	3 hrs.	2 hrs.
Thinner	EPICON THINNER, EPOXY THINNER A				
Method of Application	Airless spray, Brush, Roller				
Condition of Application	Temperature	: Minimum    -5℃			
	Humidity	: Maximum    85 % R.H.			
	For Airless spray ;				
	Airless Gun	: GRACO ZINC GUN (208 - 663) etc			
	Tip No.	: GRACO Ball Tip No. 205 – 723 or 621, 623			
	Paint output pressure	: 14.7 – 19.7 MPa			
	Viscosity	: 1.5 – 2.0 Pa.s			
Preferable Preceding Coats	-				
Preferable Subsequent Coats	BANNOH Series, BANNOH 1500 R Z, EPICON MARINE HB, etc.				
Packaging	Two pack product				

**TECHNICAL DATA (at 250 $\mu$ m)**

Temp (°C)		-5	0	5	10	15	20	25	30	35	40
Item											
Set to touch		15H	10H	7H	4H	3H	2.5H	2H	1.5H	1H	1H
Dry to recoat	Min.	60H	36H	24H	13H	10H	7H	6H	5H	4H	3H
	Max.*)	7D	7D	7D	7D	7D	7D	7D	7D	7D	7D
Dry to hard		60H	36H	24H	13H	10H	7H	6H	5H	4H	3H
Dry to immerse	Body	-	-	-	-	-	-	-	-	-	-
	Touch-up	-	-	-	-	-	-	-	-	-	-
Dry to Touch-up		60H	36H	24H	13H	10H	7H	6H	5H	4H	3H
Pot life		15H	11H	8H	5H	4H	3H	2.5H	2H	1H	1H
Shelf life (M)		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 refer to the painting specifications.
2. In common with all epoxy coatings, PERMAX No.3300 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.