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BANNOH 5000 QD

(B 5000 QD)

PRODUCT DESCRIPTION

BANNOH 5000 QD, is a multi-purpose solvent free epoxy which provides excellent physical and anti-corrosive properties. For ships it is ideally suited as a universal primer for most areas.

PRODUCT INFORMATION

Type	Solvent free epoxy coating				
Recommended Use	Anti-corrosive paint for ship's hull, exposed decks, superstructures, ballast water tanks, steel structures, & immersed areas etc.				
Type of binder	Pure Epoxy / Modified aliphatic polyamine				
Mixing Ratio	Base : Hardener = 80 : 20 (by volume)				
Color	Light grey, Cream, Brown and specified colors				
Flash Point	Base : 161.0℃, Hardener : 119.0℃				
Solids by Volume	95% ± 2 (Test Method : ISO-3233)				
VOC	50 g/ℓ (Korea Clean Air Conservation Act)				
Coverage(Theoretical)	2.97 ㎡/ℓ [0.337 ℓ/㎡] at D.F.T 320㎛				
Wet Film Thickness	105 - 337 ㎛				
Dry Film Thickness	100 - 320 ㎛				
Drying Time	Temperature	5℃	10℃	15℃	20℃
(at D.F.T. 320㎛)	Surface Dry	11 hrs.	6 hrs.	5 hrs.	4 hrs.
	Hard Dry	22 hrs.	15 hrs.	10 hrs.	8 hrs.
Painting Interval	Minimum	22 hrs.	15 hrs.	10 hrs.	8 hrs.
(at D.F.T. 320㎛)	Maximum	14 days	14 days	14 days	14 days
Pot Life		60 mins.	50 mins.	40 mins.	30 mins.
Thinner	EPICON THINNER, EPOXY THINNER A (for cleaner)				
Method of Application	Airless spray, Brush, Roller				
Condition of Application	Temperature : Minimum 0℃ (Preferably 5℃) Humidity : Maximum 85 % R.H. For Airless spray ; Tip No. : GRACO 415 - 731 Paint output pressure : Min. 23.5 MPa Viscosity : 2.5 - 3.0 Pa·s				
Preferable Preceding Coats	CERABOND 2000, EPICON ZINC RICH PRIMER B-2, etc.				
Preferable Subsequent Coats	BANNOH 1500 RZ, UNY MARINE Series, EPICON MARINE HB, etc				
Packaging	Two pack product				

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TECHNICAL DATA (at 320㎛)

Item \ Temp(℃)		-5	0	5	10	15	20	25	30	35	40
Set to touch		-	18H	11H	6H	5H	4H	-	-	-	-
Dry to recoat	**Min.**	-	30H	22H	15H	10H	8H	-	-	-	-
	Max.*)	-	14D	14D	14D	14D	14D	-	-	-	-
Dry to hard		-	30H	22H	15H	10H	8H	-	-	-	-
Dry to immerse	**Body**	-	7D	6D	5D	4D	3D	-	-	-	-
	Touch-up	-	4D	3D	3D	2D	2D	-	-	-	-
	Minor touch up	-	3D	2D	2D	1D	1D	-	-	-	-
Dry to Touch-up		-	30H	20H	14H	9H	7H	-	-	-	-
Pot life		-	70m	60m	50m	40m	30m	-	-	-	-
Shelf life / Base @ 25℃		18M									
Shelf life / Hardener @ 25℃		24M									
Max. heat resistance (Dry)		150℃									
Max. heat resistance (Wet)		Continuous: 60℃ / Non-continuous: 75℃									

Abbreviation ; Y : Year, M : Month, D : Day, H : Hour, m : Minute
*) for water ballast tank

Notes :
1. Pot life is short. Please mix only required amount.
2. For application in lower temperature conditions , it is recommended to facilitate the application by means of safely heating the paint and air. A viscosity adjustment may be made by heating each component and mixture.
3. Due to exothermic reaction, paint temperature may increase during and after mixing
4. In common with all epoxy coatings, BANNOH 5000 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.

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