

BANNOH 500

Product description:

BANNOH 500 is a high performance pure epoxy primer.

BANNOH 500, is a multi purpose primer, which gives excellent physical properties such as toughness, abrasion resistance and adhesion, etc.

BANNOH 500 has also excellent flexibility, resistance to sea water and resistance to cathodic protection.

BANNOH 500 is suitable for most areas on ships.

TECHNICAL DATA

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Type:	Pure epoxy paint.					
Recommended use:	Anti-corrosive paint for ship's hull, exposed decks, superstructures, ballast water tanks, cargo oil tanks, etc.					
Surface Preparation:	New steel: Consult your CMP representative for recommendations.					
	pressure) fresh water standard Sa2 (ISO 850): Consult your CMP redepends on type and o	faintenance: Remove oil and grease etc. Remove salt and the other contaminants by (high p) fresh water cleaning and completely dry. Clean damaged area by abrasive blasting to the I Sa2 (ISO 8501-1:2007) minimum or power tooling to St3 (ISO 8501-1:2007). Water jetting to your CMP representative for recommendations. Type and degree of surface preparation on type and condition of actual substrate and on desired performance. Use in accordance adard worldwide marine specifications.				
Physical Data:	Colour:	Grey, Red	dbrown.			
•	Flash point:	24°C (Mix	()			
	Volume solids %:	60 ±2				
	VOC (Theoretical):	397 g/l.				
Application Details:	Mixing ratio:	Base: 81		Hardener: 19	(by volume)	
	Thinner:					
	Min.Temperature:	5°C		000		
	Surface temperature:	•				
	Max. humidity:	85% R.H.				
	Application Data:	Airless spray, brush*				
	A.I	Add the hardener to the base whilst mixing. Stir well before use.				
For airless spray:	Tip No.:	Graco 62	•			
	Paint output pressure:					
	Thinning:	0 - 5% (by	/ volume)			
Film thickness and sp	reading rate:	Min.	Max.			
	Film Thickness, wet:	167	333	μm		
	Film Thickness, dry:	100	200	μm		
	Spreading Rate: (theoretical)	6,0	3,0	m²/l		
Preferable preceding		ICON ZIN	C RICH P	RIMER, NZ PRIME	R S, etc.	
coating:						
Preferable	BANNOH 500 N, SILV	AX SQ-K,	EPICON N	MARINE, BANNOH	500 R, UNY MARINE, etc.	
subsequent coating:						

Notes: * In case of brush application more layers may be required to achieve the specified film thickness.

When painting edges and welds, stripe coating is recommended.

Two Pack Product

In confined spaces such as tanks, void spaces, etc. ventilation is required during application and curing to remove vapours and to promote curing.



Packing:



Temperature	Drying time (at DFT 200 μ)	Overcoating interval (at DFT 200 μ)	Induction time	Pot life	Dry to launch	Remarks
-5 °C	-	-	-	-	-	-
0 °C	-	-	-	=	-	-
5 °C	Surface dry:7 hours Hard dry 24 hours	Min.: 24 hours Max.: 180 days*	-	18 hours	-	-
10 °C	Surface dry:5,5 hours Hard dry 18 hours	Min.: 18 hours Max.: 150 days*	-	14 hours	-	-
20 °C	Surface dry:4 hours Hard dry 10 hours	Min.: 10 hours Max.: 120 days*	-	7 hours	hours -	
30 °C	Surface dry:2,5 hours Hard dry 8 hours	Min.: 8 hours Max.: 90 days*	-	4 hours	-	-

Note: Drying times and overcoating intervals will increase with increasing film thickness applied. Before re-coating, always check that the existing paint film is 'through' dry.

If Health, Safety and Environmental information is required a Health and Safety Data Sheet can be Safety information: obtained from Chugoku Paints B.V.

Personal Protection advice and additional information can be obtained from the product Health and Safety Data Sheet which is available on request. The minimum safety precautions in dealing with this paint are:

- a. Observe the precautionary notices displayed on the container.
- b. Provide adequate ventilation.
- c. Avoid skin contact and inhalation of spray mist.
- d. If the product comes into contact with the skin, wash thoroughly with luke warm water and soap or suitable cleaner. If the eyes are contaminated, irrigate with water and seek medical advice immediately.
- e. Since the product contains flammable materials, keep away from sparks and open flames. No smoking should be permitted in the area.

Definitions:	Tolerances:	The numerical information quoted in this Technical Data Sheet is subject to
		normal manufacturing tolerances.
	Spreading Rate:	The spreading rate can vary depending on application conditions, the
		geometrical complexity of the structure, the weather conditions, etc.
	Volume Solids:	The volume solids figure given in this Technical Data Sheet is the
		percentage of dry film obtained from a given wet film thickness under
		specified application rate and conditions measured by the Chugoku
		Standard Method corresponding to ASTM method D2697.
	Overcoating Intervals:	The intervals given assume preparation consistent with good painting
	Hard dn/:	The time taken until the product can be walked on without damaging it. Time

Hard dry: The time taken until the product can be walked on without damaging it. Time taken until full mechanical strength is obtained is longer.

V.O.C Theoretical quantity of volatile organic compounds in g/l.

Disclaimer:

Data, specifications, directions and recommendations given in this data sheet represent test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use is not guaranteed and must be determined by user. Product data is subject to change without notice and automatically void two years from issue. All legal relations of Chugoku Paints B.V. will be governed by the Uniform Terms of Sale and Delivery of Chugoku Paints B.V. as last filed with the district court of Rotterdam and upon request they will be made available without charge. Chugoku Paints B.V. explicitly rejects the applicability of any General Conditions, which its contractual parties may use. Exclusive jurisdiction: competent Court in Rotterdam

The Inspector will undertake to the best of their ability, to carry out assistance during application of the products delivered by Chugoku, by only rendering advice in connection with the application at site. The Inspector undertakes to carry out the project in a conscientious manner, but Chugoku and/or the Inspector will not accept any kind of liability, direct or indirect, if the project does not give the results expected. Under all circumstances, the Buyer remains responsible for the execution of the project. Any advice and/or assistance rendered by the Inspector will be subject to such (final) responsibility of the buyer, and moreover subject to the Uniform Terms of Sale and Delivery of Chugoku Paints B.V. Even when damages or delays have been caused by faults or negligence on the side of Chugoku and/or the Inspector, such will not result in any liability whatsoever of Chugoku or the Inspector. Liability of both Chugoku or the Inspector for any consequential damages is explicitly excluded.

Some products have been specially modified to adapt to specific European requirements with regard to European-, national- and local laws and regulations or with regards to specific European use requirements. As a result some physical properties in a TDS may differ from those given in the original Japanese TDS.



^{*}Overcoating intervals apply to BANNOH 500 recoated by itself. For overcoating details, see table 1 and 2 on page 3.



Table-1: Over coatability between BANNOH 500 and various subsquent coats for DK & INT, TS, BT, BTM

DK & INT: DECK AND INTERIOR

TOPSIDES TS: BT: **BOOTTOP**

BTM: **UNDERWATER BOTTOM**

01/2000		E X I S BANNO		
OVERCOAT	DK & INT TS		ВТ	BTM
EVAMARINE	7*	-	-	-
RAVAX FINISH (Japan)Code 1227XX	120	5	3	-
POLIBI T-1	3	1	-	-
EPICON MARINE FINISH	120	90	60	-
EPICON MARINE HB	180	150	120	-
UNY MARINE	15	5	-	-
UNY MARINE 700	60	7	-	-
BANNOH 500 (NB)	180	180	150	150
BANNOH 500 N	-	150	150	150
BANNOH 500 QD	60	60	60	60

*: Interior only (Max. painting interval: day)

Table-2: Over coatability of BANNOH 500 (NB) for COT, BWT, HOLDS

COT: CARGO OIL TANKS **BWT**: **BALLAST WATER TANKS**

HOLDS: HOLDS

	COT	BWT	HOLDS
BANNOH 500 (NB)+ BANNOH 500 (NB)	30	30	180
BANNOH 500 (NB) + BANNOH 500 QD	30	30	60
BANNOH 500 QD + BANNOH 500 (NB)	30	30	60
BANNOH 500 QD +BANNOH 500QD	30	30	60

(Max. painting interval : day)

