

# BANNOH 1500 R Z

## Product description:

BANNOH 1500 R Z is a two component epoxy anticorrosive tie coat which provides:

- Excellent water and sea water resistance
- Excellent physical properties such as toughness and abrasion resistance
- Excellent overcoatability with subsequent antifouling products, as well as a wide range of other topcoats
- Excellent workability for high build applications
- Smooth surface and low Friction Increase Ratio (FIR).

## TECHNICAL DATA

<b>Type:</b>	Epoxy paint		
<b>Recommended use:</b>	Anti-corrosive paint for outside shell, tie coat, exposed decks, superstructures.		
<b>Surface Preparation:</b>	New steel: Consult your CMP representative for recommendations. Repair/Maintenance: Remove oil and grease etc. Remove salt and the other contaminants by (high pressure) fresh water cleaning and completely dry. Clean damaged area by abrasive blasting to the standard Sa2 (ISO 8501-1:2007) minimum or power tooling to St3 (ISO 8501-1:2007). Water jetting: Consult your CMP representative for recommendations. Type and degree of surface preparation depends on type and condition of actual substrate and on desired performance. Use in accordance with standard worldwide marine specifications.		
<b>Physical Data:</b>	Colour:	Grey, Plum, Black	
	Flash point:	25°C (Mix)	
	Volume solids %:	64 ±2	(ISO : 3233 (1998))
	VOC (Theoretical):	319 g/l	
<b>Application Details:</b>	Mixing ratio:	Base: 81	Hardener: 19 (by volume)
	Thinner:	EPOXY THINNER A	
	Min.Temperature:	-5 °C	
	Surface temperature:	Dew point + minimum 3°C	
	Max. humidity:	Maximum 85% R.H.	
	Application Data:	Airless spray, Brush*	
		Add the hardener to the base whilst mixing. Stir well before use.	
<b>For airless spray:</b>	Tip No.:	Graco 619, 621, 623	
	Paint output pressure:	15 - 25 MPa	
	Thinning:	0 - 15% by volume	
<b>Film thickness and spreading rate:</b>		Min.	Max.
	Film Thickness, wet:	156	391 μm
	Film Thickness, dry:	100	250 μm
	Spreading Rate:	6,4	2,6 m <sup>2</sup> /l
	(theoretical)		
<b>Preferable preceding coating:</b>	CERABOND 2000, EPICON ZINC RICH PRIMER B-2, BANNOH 1500 (QD).		
<b>Preferable subsequent coating:</b>	SEA GRANDPRIX series, SEAFLO NEO series, SEATENDER series, UNY MARINE HS M, EPICON MARINE FINISH.		
<b>Packing:</b>	Two Pack Product		

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

When painting edges and welds, stripe coating is recommended.

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

## BANNOH 1500 R Z

Temperature	Drying time (at DFT 250 µ)	Overcoating interval (at DFT 250 µ)	Induction time	Pot life	Dry to launch	Remarks
-5 °C	Surface dry:30 hours Hard dry 66 hours	Min.: 66 hours Max.: *	-	16 hours	-	-
0 °C	Surface dry:16 hours Hard dry 42 hours	Min.: 42 hours Max.: *	-	12 hours	-	-
5 °C	Surface dry:14 hours Hard dry 20 hours	Min.: 20 hours Max.: *	-	9 hours	-	-
10 °C	Surface dry:5 hours Hard dry 12 hours	Min.: 12 hours Max.: *	-	6 hours	-	-
20 °C	Surface dry:3 hours Hard dry 8 hours	Min.: 8 hours Max.: *	-	4 hours	-	-
30 °C	Surface dry:2 hours Hard dry 6 hours	Min.: 6 hours Max.: *	-	3 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.

Application at temperature down to -5°C is possible, but curing time takes longer and full cure will be reached when temperature increase.

\*Kindly consult with CMP sales office.

**Safety information:** If Health, Safety and Environmental information is required a Health and Safety Data Sheet can be 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:

- Observe the precautionary notices displayed on the container.
- Provide adequate ventilation.
- Avoid skin contact and inhalation of spray mist and vapours.
- 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.
- Since the product contains flammable materials, keep away from sparks and open flames. No smoking should be permitted in the area.

<b>Definitions:</b>	<b>Tolerances:</b>	The numerical information quoted in this Technical Data Sheet is subject to normal manufacturing tolerances.
	<b>Spreading Rate:</b>	The spreading rate can vary depending on application conditions, the geometrical complexity of the structure, the weather conditions, etc.
	<b>Volume Solids:</b>	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.
	<b>Overcoating Intervals:</b>	The intervals given assume preparation consistent with good painting
	<b>Hard dry:</b>	The time taken until the product can be walked on without damaging it.
		Time taken until full mechanical strength is obtained is longer.
	<b>V.O.C.:</b>	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.

# BANNOH 1500 R Z

Over coatability between BANNOH 1500 R Z and various subsequent coats

for DK & INT, TS, BT, BTM

**DK & INT:** DECK AND INTERIOR  
**TS:** TOPSIDES  
**BT:** BOOTTOP  
**BTM:** UNDERWATER BOTTOM

OVERCOAT	E X I S T I N G			
	BANNOH 1500 R Z			
	DK & INT	TS	BT	BTM
BANNOH 1500 R Z	120	120	120	120
ACRI 700 FINISH	90	15	5	N.A.
EPICON FINISH HB	120	90	30	N.A.
EPICON FINISH HB EX White	120	90	30	N.A.
EPICON MARINE FINISH	120	90	30	N.A.
UNY MARINE HS M	15	7	N.A.	N.A.
SEAFLO NEO CF Z	-	-	5	5
SEAFLO NEO CF PREMIUM	-	-	5	5
SEAFLO NEO SL / SL Z	-	-	5	5
SEATENDER 10	-	-	3	3
SEATENDER 20	-	-	3	3
SEA GRANDPRIX 1000	-	-	5	5
SEA GRANDPRIX 1000 L	-	-	5	5
SEA GRANDPRIX MARK II	-	-	5	5
SEA GRANDPRIX 500 M HS	-	-	3 (T/U)*	3 (T/U)*
SEA GRANDPRIX 660 HS / 220 HS	-	-	5	5
SEA GRANDPRIX 880 HS/880 HS PLUS	-	-	5	5

\* In the case of RP vessels: If the total areas of T/U are below 30% as a guideline, the overcoating intervals listed in above table are applicable.  
Therefore, if those areas are over 30%, one pack AC binder coat is highly recommended.

( Max. painting interval : day )