

Marine Paint Manual

Reference No. : 12 - 10C

Issue Date: July 2015 (ES)

BIOFLEX 800

A tin-free, CDP (Controlled Depletion Polymer) type antifouling paint containing cuprous oxide as the main biocide, which is designed for general ocean-going ships. This product shows stable depletion rate achieved by the combination of a special hydrophobic resin and a hydrophilic resin.

Suitable Use	Antifouling for ocean-going ships				
Type	Cuprous oxide / Special synthetic polymer (Tin-free / Controlled depletion polymer type)				
Color	Red Brown C, Brown C, Dark Brown C				
Gloss	Semi-gloss				
Volume Solids	61 ± 2% (ISO3233:1998)				
Typical Dry Film Thickness	65 ~ 150 μm				
Approx. Wet Film Thickness	107 ~ 246 μm				
Theoretical Coverage	6.10 m ² /L (100 μm)				
Drying Time	Surface Dry	4 hours (5°C)	2 hours (20°C)	1 hour (30°C)	
	Dry Hard	6 hours (5°C)	4 hours (20°C)	3 hours (30°C)	
Interval before Overcoating (by self)	Min.	12 hours (5°C)	6 hours (20°C)	4 ¹ / ₂ hours (30°C)	
	Max.	— (5°C)	— (20°C)	— (30°C)	
Interval before Immersion (100μm)	Min.	24 hours (5°C)	12 hours (20°C)	12 hours (30°C)	
		※See Note (6).			
Thinner	NIPPON MARINE THINNER 200 (0 ~ 5%, by weight)				
Application Method	Airless Spray	Tip range	0.69 ~ 0.84 mm		
		Fan angle	62 ~ 75°		
		Output pressure	above 150 kg / cm ²		
	Brush / Roller	For touching up small areas only			
Package	20 L Package may vary from country to country				
Flash Point	24 °C				
Surface Preparation	All surfaces to be coated should be clean, dry and free from contamination. High pressure fresh water wash and remove all oil / grease, soluble contaminants and other foreign matters.				

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Safety

Take precautions to avoid skin and eye contact (i.e. gloves, goggles, face masks, barrier creams etc.)
Proper ventilation and protective measures must be provided during applications and drying period to keep solvent vapor concentrations within safe limits.
Prior to use, obtain, consult and follow the SDS for this product concerning health and safety information.

<Note>

- 1) The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.
- 2) Use NIPPON MARINE THINNER 300 to wash painting appliances, hoses and guns before and after use.
- 3) The declaration letter of Tin-free Antifouling Paint would not be issued if mixed with the other antifouling paints product or another chemical products.
- 4) For application at new-building and the first application at maintenance and repair, make sure to apply the brown colour of this product as a basecoat.
- 5) After A/C touch-up on the substrates and exposed A/C parts, the brown colour of this product has to be touched up as a basecoat.
- 6) Interval before immersion is related to ambient conditions, ventilation, film thickness, and number of coats and will be affected correspondingly. Contact us for actual application.
- 7) Store the paints in paint store.