

Marine Paint Manual

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Issue Date: June 2013 (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)			
Colour	Red Brown, Plum, Brown			
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)	4½ hours (30°C)
	Max.	- (5°C)	- (20°C)	- (30°C)
Interval before Immersion	Min.	24 hours (5°C)	12 hours (20°C)	12 hours (30°C)
Thinner	NIPPON MARINE THINNER 200 (0 ~ 5%, by weight)			
Application Method	Airless Spray	Tip range	0.69 ~ 0.84 mm	
		Fan range	62 ~ 75°	
		Output pressure above 150 kg / cm ²		
	Brush / Roller	For touching up small areas only		
Package	20L			
	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.			
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 vapour concentrations within safe limits.			
	Prior to use, obtain, consult and follow the MSDS for this product concerning health and safety information.			



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< 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) Store the paints in paint store.