

## ***Marine Paint Manual***

Reference No. : 13-08

Issue Date: July 2019 (ES)

### **BIOFLEX A/F**

A special synthetic resin antifouling paint that contains cuprous oxide as the main biocide.

Suitable Use	Antifouling						
Type	Cuprous oxide / Special synthetic resin (Tin-free / Conventional)						
Color	Red oxide						
Gloss	Semi-gloss						
Volume Solids	54 ± 2% (ISO3233:1998)						
Typical Dry Film Thickness	40 ~ 75 μm						
Approx. Wet Film Thickness	74 ~ 139 μm						
Theoretical Coverage	13.50 m²/L (40 μm)						
Drying Time	Surface Dry	1 hour	(5°C)	30 minutes	(20°C)	20 minutes	(30°C)
	Dry Hard	4 hours	(5°C)	2 hours	(20°C)	1 <sup>1</sup> / <sub>3</sub> hours	(30°C)
Interval before Overcoating ( by self )	Min.	6 hours	(5°C)	3 hours	(20°C)	1 <sup>1</sup> / <sub>2</sub> hours	(30°C)
	Max.	—	(5°C)	—	(20°C)	—	(30°C)
Interval before Immersion ( 40 μm )	Min.	10 hours	(5°C)	6 hours	(20°C)	4 hours	(30°C)
Thinner	NIPPON MARINE THINNER 200 ( 0 ~ 5%, by volume )						
Application Method	Airless Spray	Tip range	0.48 ~ 0.53 mm				
		Fan angle	55 ~ 69°				
		Output pressure	100 ~ 150 kg / cm²				
	Brush / Roller	For touching up small areas only					
Packaging	Single Pack						
Japan Local Brand	BIOFLEX A/F						
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 vapor concentrations within safe limits.						
	Prior to use, obtain, consult and follow the SDS 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 200 to wash painting appliances, hose 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 availability of product consult Nippon Paint Marine representatives.
- 5) Unit size and filled volumes can vary due to local regulations.
- 6) Store the paints in paint store.