

Marine Paint Manual

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ECOLOFLEX SPC 200

A hydrolytic self polishing antifouling which contains special silyl acrylate copolymer based on our patented technology. Using a patented water trapping function with unique hydrogel technology, it lowers the hydrodynamic footprint of hull. The combination of clean hull, accurate and predictable low friction and the unique water trapping function gives low friction effect, lowering the ship's surface friction leading to fuel and CO₂ emission savings. It can be applied over existing antifouling.

Suitable Use	For general ocean-going vessels			
Type	Cuprous oxide / Special silyl acrylate copolymer (Tin-free / Self-polishing / Hydrolysis / High Solid)			
Color	Brown LF, Light Brown LF			
Gloss	Semi-gloss			
Volume Solids	62 ± 2% (ISO3233:1998)			
Typical Dry Film Thickness	65 ~ 150 μm			
Approx. Wet Film Thickness	105 ~ 242 μm			
Theoretical Coverage	6.21 m ² / L (100 μm)			
Drying Time	Surface Dry	1 hour (5°C)	40 minutes (20°C)	30 minutes (30°C)
	Dry Hard	3 hours (5°C)	1 hour (20°C)	40 minutes (30°C)
Interval before Overcoating (by self)	Min.	6 hours (5°C)	4 hours (20°C)	3 hours (30°C)
	Max.	— (5°C)	— (20°C)	— (30°C)
Interval before Immersion (100 μm)	Min.	18 hours (5°C)	12 hours (20°C)	10 hours (30°C)
		※See Note (4).		
Thinner	NIPPON MARINE THINNER 300 (0 ~ 5%, by volume)			
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		
Typical Package	16 L Package may vary from country to country.			
Japan Local Brand	ECOLOFLEX SPC 200			
Flash Point	24 °C 【Product produced and supplied in China】 28 °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) 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.
- 5) Store the paints in paint store.