

# Marine Paint Manual

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Issue Date: April 2010 (ES)

## EVER COOL FINISH

A high heat-shield paint based on polyurethane resin with excellent weathering resistance and gloss retention. As it contains special pigment with low endothermic property under the infrared ray region, it can restrain rise in surface temperature of paint film through high heat-shield.

Suitable Use	Finish for superstructures, hatch covers, compass deck, other exposed weather decks, car decks (ferry, PCC), etc		
Type	Polyurethane (Two-pack)		
Color	Gray, Green, Red Oxide		
Gloss	Gloss		
Volume Solids	62 ± 2% (ISO3233:1998)		
Typical Dry Film Thickness	30 ~ 50 µm		
Approx. Wet Film Thickness	48 ~ 81 µm		
Theoretical Coverage	12.4 m <sup>2</sup> / L (50 µm)		
Drying Time	Surface Dry	40 minutes (5 )	30 minutes (20 ) 10 minutes (30 )
	Dry Hard	16 hours (5 )	8 hours (20 ) 6 hours (30 )
	Full Cure	14 days (5 )	7 days (20 ) 5 days (30 )
Interval before Overcoating (by self)	Min.	24 hours (5 )	16 hours (20 ) 12 hours (30 )
	Max.	— (5 )	— (20 ) — (30 )
Thinner	NIPPON MARINE THINNER 700 ( 5 ~ 15%, by weight )		
Application Method	Airless Spray	Tip range	0.38 ~ 0.43 mm
		Fan angle	55 ~ 69°
		Output pressure	100 ~ 150 kg / cm <sup>2</sup>
	Brush / Roller	For touching up small areas only	
Mixing Ratio by Volume	BASE 5 / HARDENER 1		
Pot Life after Mixing	10 hours (5 )	5 hours (20 )	3 hours (30 )
Typical Package	15 Liter (BASE 12.5 L, HARDENER 2.5 L) Package may vary from country to country.		
Japan Local Brand	EVER COOL FINISH		
Flash Point	BINDER 24 , PASTE 28		
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 MSDS 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) During applications at high temperatures, use NIPPON MARINE THINNER 750.
- 3) Use the dedicated EVER COOL primer for ships in service when in maintenance and repair.
- 4) Store the paints in paint store.