

# Marine Paint Manual

Reference No. : 09 - 01

Issue Date: April 2010 (ES)

## NIPPON U-MARINE FINISH

A polyurethane finish paint with excellent weathering resistance and gloss retention and whiteness of this product prevails corresponding products in the world which can be used in combination with NOA series and NIPPON E-MARINE PRIMER for undercoat.

Suitable Use	Finish for top sides, superstructures, etc.		
Type	Polyurethane (High build / Two-pack)		
Color	White, Black, Other colors		
Gloss	Gloss		
Volume Solids	62 ± 2% (ISO3233:1998)		
Typical Dry Film Thickness	25 ~ 50 µm		
Approx. Wet Film Thickness	40 ~ 81 µm		
Theoretical Coverage	20.66 m <sup>2</sup> / L (30 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 ~ 0.48 mm
		Fan angle	55° ~ 60°
		Output pressure	120 ~ 150 kg / cm <sup>2</sup>
Mixing Ratio by Volume	Brush / Roller	For touching up small areas only	
	White	BASE 5 / HARDENER 1	
	Other Color	According to color* ( same mixing ratio by weight )	
Pot Life after Mixing	10 hours (5 )	5 hours (20 )	3 hours (30 )
Typical Package	White	15 Liter (BASE 12.5 L, HARDENER 2.5 L)	
	Other Color	According to color* ( same package by weight )	
	Package may vary from country to country.		
Japan Local Brand	POLYURE MIGHTYLAC M		
Flash Point	BASE 24 , HARDENER 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) Store the paints in paint store.