

# Marine Paint Manual

Reference No. : E 10/16

Issue Date: February 2019 (EU)

## NIPPON U-MARINE FINISH (E)

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 (Two-pack)					
Color (Product Code)*	White (FAE 9010)*		Black (FAE 9005)*			
	Other colors (See Note No.4)		*Not color code (See note 5)			
	HARDENER (FAX 1541)*					
Gloss	Gloss					
Volume Solids	46 ± 2% (ISO3233:1998) depending on colourshade					
Typical Dry Film Thickness	40 µm					
Approx. Wet Film Thickness	90 µm					
Theoretical Coverage	11.50 m <sup>2</sup> / L (40 µm)					
Drying Time	Surface Dry	4 hours (5°C)	2 hours (20°C)	1 hours (30°C)		
	Dry Hard	20 hours (5°C)	12 hours (20°C)	8 hours (30°C)		
	Full Cure	14 days (5°C)	7 days (20°C)	5 days (30°C)		
Interval before Overcoating (by self)	Min.	20 hours (5°C)	12 hours (20°C)	8 hours (30°C)		
	Max.	- (5°C)	- (20°C)	- (30°C)		
Thinner (Code. No.)	NIPPON MARINE THINNER 700 (VFE 35) / 5 ~ 15%, by volume					
Application Method	Airless Spray	Tip range	0.38 ~ 0.48 mm (0.015" - 0.019")			
		Fan angle	55° ~ 60°			
		Output pressure	120 ~ 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	8 hours (5°C) 6 hours (20 °C) 4 hours (30°C)					
Typical Package	20L (BASE 16.7 L, HARDENER 3.3 L)					
Flash Point	25°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.					
Generals	For commercial use only. Attention - Avoid exposure - obtain special instructions before use.					

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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) During applications at high temperatures, use NIPPON MARINE THINNER 750.
- 3) Store the paints in paint store.
- 4) The following colours are available as our standard. (on request)
- 5) This code is internal product code of NPMEU. Please be careful as it isn't color code.