

# Marine Paint Manual

Reference No. : 07 - 03

Issue Date: March 2014 (ES)

## NIPPON E-MARINE 400 HS

A high-build and high-solid epoxy paint which provides excellent resistance to water, chemicals, abrasion and corrosion. It is rarely blooming due to night dew, etc. It can be used all through the year as it has good drying property at low temperatures. There is no maximum interval in the case of by-self overcoating.

Suitable Use	Anticorrosive for cargo holds(wet, dry), decks, superstructures, engine room and pump room, void spaces, cofferdams, etc.			
Type	Epoxy (High build /High solid / Two-pack)			
Color	White, Gray (060, 070), Green(, Red Oxide			
Gloss	Flat			
Volume Solids	72 ± 2% (ISO3233:1998)			
Typical Dry Film Thickness	80 ~ 250 µm			
Approx. Wet Film Thickness	111 ~ 347 µm			
Theoretical Coverage	3.60 m <sup>2</sup> /L (200 µm)			
Drying Time	Surface Dry	2 hours (5°C)	1 hour (20°C)	40 minutes (30°C)
	Dry Hard	20 hours (5°C)	7 hours (20°C)	5 hours (30°C)
	Full Cure	10 days (5°C)	6 days (20°C)	5 days (30°C)
Interval before Overcoating ( by self )	Min.	20 hours (5°C)	7 hours (20°C)	5 hours (30°C)
	Max.	— (5°C)	— (20°C)	— (30°C)
Thinner	NIPPON MARINE THINNER 600 ( 0 ~ 10%, by weight )			
Application Method	Airless Spray	Tip range	0.48 ~ 0.59 mm	
		Fan angle	55 ~ 62°	
		( For T/U )	30°	
		Output pressure	150 ~ 200 kg / cm <sup>2</sup>	
	Brush	For touching up small areas only		
Mixing Ratio by Volume	BASE 3.7 / HARDENER 1			
Pot Life after Mixing	5 hours (5°C) 3 hours (20°C) 2 hours (30°C)			
Typical Package	16L (BASE 12.6L, HARDENER 3.4L)			
	Package may vary from country to country.			
Japan Local Brand	EPOMITY 400 HS			
Flash Point	BASE 24 °C, HARDENER 6 °C			
Surface Preparation	Blast cleaned to ISO-Sa 2.5 or Power tool cleaned to ISO-St 3.0 is recommended.			

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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) When applying a finish coat over NIPPON E-MARINE 400 HS, remove any chalked layers, salt and other foreign matter with high pressure fresh water, etc.
- 3) Basically one coat system is used for the application to wooden chip carriers.
- 4) Store the paints in paint store.