

# Marine Paint Manual

Reference No. 05 - 02

Issue Date: January 2019 (ES)

## NIPPON E-MARINE 400

A high-build epoxy paint which provides excellent resistance to water, chemicals 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, decks, superstructures, engine room and pump room, void spaces, cofferdams, etc.			
Type	Epoxy (High build / Two-pack)			
Color	White, Gray (060, 075), Red Oxide			
Gloss	Flat			
Volume Solids	62 ± 2% (ISO3233:1998)			
Typical Dry Film Thickness	100 ~ 250 μm			
Approx. Wet Film Thickness	161 ~ 403 μm			
Theoretical Coverage	3.10 m <sup>2</sup> /L (200 μm)			
Drying Time	Surface Dry	2 <sup>1</sup> / <sub>2</sub> hours (5°C)	1 <sup>1</sup> / <sub>2</sub> hours (20°C)	1 hour (30°C)
	Dry Hard	20 hours (5°C)	8 hours (20°C)	6 hours (30°C)
	Full Cure	10 days (5°C)	6 days (20°C)	5 days (30°C)
Interval before Overcoating	Min.	20 hours (5°C)	10 hours (20°C)	8 hours (30°C)
	Max.	— (5°C)	— (20°C)	— (30°C)
Thinner	NIPPON MARINE THINNER 600 (0 ~ 10%, by volume)			
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 3.25 / HARDENER 1			
Pot Life after Mixing	7 hours (5°C) 5 hours (20°C) 3 hours (30°C)			
Package	17 L (BASE 13 L, HARDENER 4 L)			
	Package may vary from country to country.			
Japan Local Brand	EPOMITY 400 M			
Flash Point	BASE 24°C, HARDENER 22°C (ISO3679:2015)			
Surface Preparation	Blast cleaned to ISO-Sa 2 <sup>1</sup> / <sub>2</sub> or power tool cleaned to St 3 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 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) When applying a finish coat over NIPPON E-MARINE 400, 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' cargo holds.
- 4) Store the paints in paint store.