

Marine Paint Manual

Reference No. 05 - 03

Issue Date: January 2022 (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, 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 m²/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 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/cm²			
	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)					
Packaging	Two Packs					
Japan Local Brand	EPOMITY 400 HS					
	BASE 24°C, HARDENER 28°C					
	【Product produced and supplied in China】 BASE 17 °C					
Surface Preparation	Blast cleaned to ISO-Sa 2 ¹ / ₂ 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 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' cargo holds.
- 4) For availability of product consult Nippon Paint Marine representatives.
- 5) Unit size and filled volumes can vary due to local regulations.
- 6) Store the paints in paint store.
- 7) Some regions will be supplied with NIPPON MARINE THINNER 615 instead of NIPPON MARINE THINNER 600.
- 8) Use products that comply with local regulations to clean the paint equipment.