

Marine Paint Manual

Reference No. : E 10/16

Issue Date: February 2017 (EU)

NIPPON E-MARINE 400 HS (E)

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.

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 (Product Code)*	Red Oxide (ETED 3900)*		Black (ETED 9005)*	
	Gray (ETED 7101)*			
	HARDENER (EPX 1703)*			*Not color code. See note 5.
Gloss	Flat			
Volume Solids	69 ± 2% (ISO3233:1998)			
Typical Dry Film Thickness	125 ~ 250 μm			
Approx. Wet Film Thickness	180 ~ 360 μm			
Theoretical Coverage	5.50 ~ 2.75 m ² /L (Based on commended dft/wft)			
Drying Time	Surface Dry	6 hours (5°C)	2 hours (20°C)	1 hour (30°C)
	Dry Hard	36 hours (5°C)	16 hours (20°C)	12 hours (30°C)
	Full Cure	14 days (5°C)	10 days (20°C)	7 days (30°C)
Interval before Overcoating (by self)	Min.	36 hours (5°C)	16 hours (20°C)	12 hours (30°C)
	Max.	45 days (5°C)	30 days (20°C)	14 days (30°C)
Thinner (Code. No.)	NIPPON MARINE THINNER 600 (VEP 47) / 0 ~ 10%, by weight			
Application Method	Airless Spray	Tip range	0.48 ~ 0.59 mm (0.019" - 0.023")	
		Fan angle	55 ~ 62°	
		(For T/U)	30°	
		Output pressure	150 ~ 200 kg / cm ²	
	Brush	For touching up small areas only		
Mixing Ratio by Volume	BASE 16.5 / HARDENER 3.5			
Pot Life after Mixing	8 hours (5°C) 6 hours (20°C) 4 hours (30°C)			
Typical Package	20L (BASE 16.5 L. HARDENER 3.5 L)			
Flash Point	22°C			
Surface Preparation	Blast cleaned to ISO-Sa 2 ¹ / ₂ or power tool cleaned to St 3 is recommended.			

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Generals For commercial use only. Attention - Avoid exposure - obtain special instructions before use.

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) Store the paints in paint store.
- 5) This code is internal product code of NPMEU. Please be careful as it isn't color code.