

Marine Paint Manual

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Issue Date: February 2017 (EU)

NIPPON E-MARINE 400 (E)

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 (Product Code)*	Red Oxide (EPH 3900)*	Gray (EPH 7101)*		
	HARDENER (EPX 1670)*	*Not color code (See note 5)		
Gloss	Flat			
Volume Solids	58 ± 2% (ISO3233:1998)			
Typical Dry Film Thickness	125 µm			
Approx. Wet Film Thickness	210 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	30 hours (5°C)	16 hours (20°C)	12 hours (30°C)
	Full Cure	12 days (5°C)	10 days (20°C)	7 days (30°C)
Interval before Overcoating (by self)	Min.	30 hours (5°C)	16 hours (20°C)	12 hours (30°C)
	Max.	— (5°C)	— (20°C)	— (30°C)
Thinner (Code. No.)	NIPPON MARINE THINNER 600 (VEP 47) / 0 ~ 10%, by weight			
Application Method	Airless Spray	Tip range	0.38 ~ 0.59 mm (0.015" - 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 17 / HARDENER 3			
Pot Life after Mixing	10 hours (5°C) 8 hours (20°C) 6 hours (30°C)			
Typical Package	20L (BASE 17 L, HARDENER 3 L)			
Flash Point	23°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, 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.