

Marine Paint Manual

Reference No. 05 - 06

Issue Date: August 2019 (ES)

NIPPON E-MARINE A/C

NIPPON E-MARINE A/C is a two-pack, high volume solid epoxy universal primer aiming for less volatile organic compounds. It is for cold temperature use type of NIPPON E-MARINE A/C. As this epoxy coating offers excellent anti-abrasion property and resistant to water, seawater, and cathodic protection, it is suitable for all areas, except ballast tanks, such as the underwater hulls, boottop, topsides, decks, holds, etc. It can be overcoated with various kinds of finishes.

Suitable Use	Universal anticorrosive for all areas except ballast tanks (underwater hulls, boottop, topsides, decks, etc.)			
Type	Epoxy (Abrasion resistant / High build / Two-pack)			
Color	Red oxide, Gray			
Gloss	Semi-gloss			
Volume Solids	74 ± 2% (ISO3233:1998)			
Typical Dry Film Thickness	125 ~ 250 μm			
Approx. Wet Film Thickness	169 ~ 338 μm			
Theoretical Coverage	4.23 m ² /L (175 μm)			
Drying Time	Surface Dry	3 hours (5°C)	2 hours (20°C)	1 hour (30°C)
	Dry Hard	47 hours (5°C)	16 hours (20°C)	10 hours (30°C)
	Full Cure	14 days (5°C)	7 days (20°C)	5 days (30°C)
Interval before Overcoating (by self : Immersed area)	Min.	47 hours (5°C)	16 hours (20°C)	10 hours (30°C)
	Max.	30 days (5°C)	30 days (20°C)	14 days (30°C)
Interval before Overcoating (by self : Exposed area)	Min.	47 hours (5°C)	16 hours (20°C)	10 hours (30°C)
	Max.	— (5°C)	— (20°C)	— (30°C)
Thinner	NIPPON MARINE THINNER 600 or NIPPON MARINE THINNER 610 (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 ²	
	Brush	For touching up small areas only		
Mixing Ratio by Volume	BASE 4 / HARDENER 1			
Pot Life after Mixing	6 hours (5°C) 4 hours (20°C) 3 hours (30°C)			
Packaging	Two Packs			
Japan Local Brand	NIPPON E-MARINE A/C			
Flash Point	BASE 24 °C, HARDENER 31 °C			
	【Product produced and supplied in China】 BASE 30 °C			
Surface Preparation	Blast cleaned to ISO-Sa 2 ¹ / ₂ or power tool cleaned to St 3 is recommended. Please consult with Nippon Paint Marine representatives for water jetting.			

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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) At temperatures below 5°C, it will take longer to dry and harden.
- 3) If dusting may occur during application at high temperatures, use NIPPON MARINE THINNER 650.
- 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.