

Marine Paint Manual

Reference No. : 07 - 06

Issue Date: February 2012 (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. As this epoxy coating offers excellent anti-abrasion property, resistance to water and seawater, and cathodic protection, it is suitable for all areas such as the underwater hulls, boottop, topsides, decks, holds, ballast tanks, etc. It can be overcoated with various kinds of finishes.

Suitable Use	Universal anticorrosive for all areas (underwater hulls, boottop, topsides, decks, holds, ballast tanks, etc.)			
Type	Epoxy (Abrasion resistant / High build / Two-pack)			
Colour	Red Oxide, Dark gray, Gray, Light 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 hours (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 (0 ~ 10%, by weight)			
Application Method	Airless Spray	Tip range	0.48 ~ 0.59 mm	
		Fan range	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)			
Typical Package	20L (BASE 16L, HARDENER 4L)			
	Package may vary from country to country.			
Japan Local Brand	NIPPON E-MARINE A/C			
Flash Point	BASE 24°C, HARDENER 6°C			
Surface Preparation	Blast cleaned to ISO-Sa 2.5 or power tool cleaned to ISO-St 3. is recommended.			
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 vapour concentrations within safe limits.			
	Prior to use, obtain, consult and follow the MSDS for this product concerning health and safety information.			



Marine Paint Manual

NIPPON E-MARINE A/C

Issue Date: February 2012 (ES)

< 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) Store the paints in paint store.