

Marine Paint Manual

Reference No. : E 10/16

Issue Date: October 2019 (EU)

NIPPON E-MARINE A/C (E)

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 and resistant to water, seawater, and cathodic protection, it is suitable for all areas such as the underwater hulls, boottop, topsides, decks, holds, and ballast tanks, etc. It can be overcoated with various kinds of finishes. With winter type hardener also for lower temperatures.

Suitable Use	Universal anticorrosive for all areas (underwater hulls, boottop, topsides, decks, holds, ballast tanks, etc.)						
Type	Epoxy (Abrasion resistant / High build / Two-pack)						
Color	(Product Code)*	Red Oxide	(CEP / ERCD 3900)*	Black	(CEP / ERCD 9005)*		
		Gray	(CEP / ERCD 7001)*	Green	(CEP / ERCD 6102)*		
		Buff	(CEP / ERCD 1335)*	Silver	(CEP / ERCD 9106)*		
		HARDENER	(ERX 1655)*	winter type (ERX 1755)*		*Not color code (See note 5)	
Gloss	Semi-gloss						
Volume Solids	75 ± 2% (ISO3233:1998)						
Typical Dry Film Thickness	250 μm						
Approx. Wet Film Thickness	335 μm						
Theoretical Coverage	3.00 m ² / L (250 μm)						
Drying Time	Surface Dry	16 hours	(5°C)	6 hour	(20°C)	4 hours	(30°C)
	Dry Hard	24 hours	(5°C)	12 hours	(20°C)	10 hours	(30°C)
	Full Cure	21 days	(5°C)	14 days	(20°C)	10 days	(30°C)
Interval before Overcoating	Min.	24 hours	(5°C)	12 hours	(20°C)	10 hours	(30°C)
(by self)	Max.	21 days	(5°C)	14 days	(20°C)	10 days	(30°C)
Thinner (Code. No.)	NIPPON MARINE THINNER 600 (VEP 46 / 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 / HARDENER 4						
Pot Life after Mixing	6 hours (5°C) 4 hours (20°C) 2 hours (30 °C)						
Typical Package	20L (BASE 16 L, HARDENER 4 L)						
Flash Point	25°						
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) 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.
- 5) This code is internal product code of NPMEU. Please be careful as it isn't color code.