

## Marine Paint Manual

Reference No. : E 10/16

Issue Date: August 2019 (EU)

### NIPPON E-MARINE PRIMER (E)

A two-pack pure epoxy resin based anticorrosive paint which provides excellent resistance to water and chemicals. Up to 150 µm can be applied with a single coat.

Suitable Use	Anticorrosive primer for boottop, topsides, decks, holds, underwater hull, superstructure, etc.						
Type	Pure epoxy (Two-pack)						
Color	(Product Code)*	Gray	(EPBD 7101)*	White	(EPBD 9101)*		
		Red Oxide	(EPBD 8512)*	Cream	(EPBD 1502)*		
		HARDENER	(EPX 1703)*	*Not color code (See note 5)			
Gloss	Flat						
Volume Solids	65 ± 2% (ISO3233:1998)						
Typical Dry Film Thickness	60 ~ 150 μm						
Approx. Wet Film Thickness	92 ~ 230 μm						
Theoretical Coverage	6.50 m²/ L (100 μm)						
Drying Time	Surface Dry	4 hours	(5°C)	2 hours	(20°C)	90 minutes	(30°C)
	Dry Hard	20 hours	(5°C)	12 hours	(20°C)	8 hours	(30°C)
	Full Cure	12 days	(5°C)	8 days	(20°C)	4 days	(30°C)
Interval before Overcoating ( by self )	Min.	20 hours	(5°C)	12 hours	(20°C)	8 hours	(30°C)
	Max.	8 months	(5°C)	6 months	(20°C)	4 months	(30°C)
Thinner (Code. No.)	NIPPON MARINE THINNER 600 (VEP 46 / VEP 47) / 0 ~ 10%, by weight						
Application Method	Airless Spray	Tip range	0.43 ~ 0.53 mm (0.017" - 0.021")				
		Fan angle	45° ~ 60°				
		( For T/U )	30°				
		Output pressure	150 ~ 200 kg / cm²				
	Brush	For touching up small areas only					
Mixing Ratio by Volume	BASE 17.2 / HARDENER 2.8						
Pot Life after Mixing	12 hours (5°C) 8 hours (20°C) 4 hours (30°C)						
Typical Package	20L (BASE 17.2 L, HARDENER 2.8 L)						
Flash Point	25°C						
Surface Preparation	Blast cleaned to ISO-Sa 2 <sup>1</sup> / <sub>2</sub> or power tool cleaned to St 3 is recommended.						
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.						

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<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.