

# Marine Paint Manual

Reference No. : E 10/16

Issue Date: June 2019 (EU)

## NEOGUARD 100 (E)

A flexible, surface tolerant multipurpose epoxy paint designed for maintenance and repair/upgrading of topsides, exposed decks, exterior of superstructure, cargo holds, etc. It provides both properties of anticorrosive and finish. Applicable to hand tool-cleaned surfaces as well as directly over existing coatings. Ships in service can be upgraded by the long-term maintenance-free system. It offers excellent resistance to water and corrosion, and can be applied directly over existing acrylic, chlorinated rubber and alkyd resin coatings.

Suitable Use	Anticorrosive for topsides, exposed decks, outfitings on decks, hatch covers, exterior for superstructures, cargo holds, engine room and pump room, void spaces, cofferdams, etc.				
Type	Epoxy (High build / Surface tolerant / Two-pack)				
Color (Product Code)*	Red Oxide (EPEM 3900)*	Black (EPEM 9005)*			
	Gray (EPEM 7001)*	Green (EPEM 6102)*			
	White (EPEM 9110)*				
	HARDENER (EPX 1703)*				*Not color code (See note 6)
Gloss	Semi-gloss				
Volume Solids	60 ± 2% (ISO3233:1998)				
Typical Dry Film Thickness	100 ~ 200 µm				
Approx. Wet Film Thickness	166 ~ 332 µm				
Theoretical Coverage	6.00 m <sup>2</sup> / L (100 µm)				
Drying Time	Surface Dry	10 hours (5°C)	6 hour (20°C)	2 hours (30°C)	
	Dry Hard	24 hours (5°C)	12 hours (20°C)	6 hours (30°C)	
	Full Cure	14 days (5°C)	7 days (20°C)	5 days (30°C)	
Interval before Overcoating (by self)	Min.	24 hours (5°C)	12 hours (20°C)	6 hours (30°C)	
	Max.	14 days (5°C)	7 days (20°C)	5 days (30°C)	
Thinner (Code. No.)	NIPPON MARINE THINNER 600 (VEP 46 / VEP 47) / 0 ~ 10%, by weight				
Application Method	Airless Spray	Tip range	0.43 ~ 0.53 mm (0.017 -0.021")		
		Fan angle ( T/U )	55 ~ 62° 30°		
		Output pressure	150~200 kg / cm <sup>2</sup>		
Mixing Ratio by Volume	BASE 3 / HARDENER 1				
Pot Life after Mixing	8 hours (5°C)	6 hours (20°C)	4 hours (30°C)		
Typical Package	20L (BASE 15L, HARDENER 5L)				
Flash Point	25 °C				
Surface Preparation	Blast cleaned to ISO-Sa 2 or Power tool cleaned to ISO-St 2 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) Water soluble rust and salt tend to remain in pitted areas where heavy and/or thick rust has been removed. Clean such areas with high-pressure fresh water.
- 3) Prior to full coat of NEOGUARD 100, treat heavily corroded areas in accordance with Note 2), then apply NEOGUARD BULCON.
- 4) For a higher level of anticorrosive performance and more aesthetic appearance, apply epoxy or urethane resin based paints as finishes. For further details, please contact Nippon Paint Marine Coatings.
- 5) Store the paints in paint store.
- 6) This code is internal product code of NPMEU. Please be careful as it isn't color code.