

# Marine Paint Manual

Reference No. : E 10/16

Issue Date: February 2017 (EU)

## NEOGUARD 100 GF (E)

A high-build two pack abrasion resistant epoxy anticorrosive containing glass flake. It provides excellent resistance to water / seawater / weather and chemicals.

Suitable Use	For topsides, boottop, cargo holds, decks, etc. where exposed to significant damages caused by abrasion and wear & tear			
Type	Epoxy (High build / Glass flake / Abrasion resistant / Two-pack)			
Color (Product Code)*	Red Oxide (ERCG 3900)*	Buff (ERCG 1335)*		
	Gray (ERCG 7001)*	Green (ERCG 6102)*		
	Black (ERCG 9005)*			
	HARDENER (ERX 1655)*	*Not color code (See note 6)		
Gloss	Flat			
Volume Solids	75 ± 2% (ISO3233:1998)			
Typical Dry Film Thickness	250 µm			
Approx. Wet Film Thickness	335 µm			
Theoretical Coverage	3.00 m <sup>2</sup> / L (250 µm)			
Drying Time	Surface Dry	16 hours (5°C)	6 hours (20°C)	4 hours (30°C)
	Dry Hard	24 hours (5°C)	12 hours (20°C)	10 hours (30°C)
Interval before Overcoating (by self)	Min.	24 hours (5°C)	12 hours (20°C)	10 hours (30°C)
	Max.	21 days (5°C)	14 days (20°C)	7 days (30°C)
Thinner (Code No.)	NIPPON MARINE THINNER 600 (VEP 47) / 0 ~ 10%, by weight			
Application Method	Airless Spray	Tip range	0.48 ~ 0.58 mm (0.019" - 0.023")	
		Fan angle	55 ~ 60°	
		( T/U )	30°	
		Output pressure	above 225 kg / cm <sup>2</sup>	
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	20 L (BASE 16 L, HARDENER 4 L)			
Flash Point	25°C			
Surface Preparation	Blast cleaned to ISO-Sa2 <sup>1</sup> / <sub>2</sub> , or Power tool cleaned to ISO-St 3 is recommended. All surfaces to be coated should be clean, dry and free from contamination. High pressure fresh water wash and remove all oil / grease, soluble contaminants and other foreign matters.			
Generals	For commercial use only. Attention - Avoid exposure - obtain special instructions before use.			

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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 Two types of the hardener are available for Summer version and Winter version.
- 3) Use high ratio types of airless spray equipment (eg. Asahi Sunac Mammoth 45 : 1).  
The viscosity increases at low temperatures particularly during winter, and the paint cannot be applied with the normal airless spray equipment.
- 4) To prevent spray gun from clogging, remove all filters in the spray guns and surge chambers.  
Ball tip is recommended.
- 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.