

# Marine Paint Manual

Reference No. : 16 - 04

Issue Date: April 2014 (ES)

## NEOGUARD 100 GF

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	Red Oxide, Gray					
Gloss	Flat					
Volume Solids	70 ± 2% (ISO3233:1998)					
Typical Dry Film Thickness	150 ~ 250 μm					
Approx. Wet Film Thickness	214 ~ 357 μm					
Theoretical Coverage	2.80 m <sup>2</sup> / L (250 μm)					
Drying Time	Surface Dry	24 hours (5°C)	6 hours (20°C)	4 hours (30°C)		
	Dry Hard	42 hours (5°C)	18 hours (20°C)	8 hours (30°C)		
<b>(for LT HARDENER)</b>						
Surface Dry    6 hours (5°C)    4 hours (10°C)    3 hours (20°C)						
Dry Hard        24 hours (5°C)    18 hours (10°C)    8 hours (20°C)						
Interval before Overcoating ( by self )	Min.	42 hours (5°C)	18 hours (20°C)	8 hours (30°C)		
	Max.	14 days (5°C)	7 days (20°C)	5 days (30°C)		
<b>(for LT HARDENER)</b>						
Min.            24 hours (5°C)    18 hours (10°C)    8 hours (20°C)						
Max.            10 days (5°C)     7 days (10°C)     5 days (20°C)						
Thinner	NIPPON MARINE THINNER 600 ( 0 ~ 10%, by weight )					
Application Method	Airless Spray	Tip range	0.89 ~ 0.99 mm, Ball Tip			
		Fan angle	55 ~ 60°			
		( T/U )	30°			
		Output pressure	above 225 kg / cm <sup>2</sup>			
Mixing Ratio by Volume	BASE 3.57 / HARDENER 1					
Pot Life after Mixing	8 hours (5°C)    4 hours (20°C)    2 hours (30°C)					
	<b>(for LT HARDENER)</b> 6 hours (5°C)    4 hours (10°C)    2 hours (20°C)					
Typical Package	16 L (BASE 12.5 L, HARDENER 3.5 L)					
	Package may vary from country to country.					

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Japan Local Brand	NEOGUARD 100 GF
Flash Point	BASE 14 °C, HARDENER 28 °C, LT HARDENER 10 °C
Surface Preparation	<p>Blast cleaned to ISO-Sa 2.5 or Power tool cleaned to ISO-St 3.0 is recommended.</p> <p>All surfaces to be coated should be clean, dry and free from contamination.</p> <p>High pressure fresh water wash and remove all oil / grease, soluble contaminants and other foreign matters.</p>
Safety	<p>Take precautions to avoid skin and eye contact (i.e. gloves, goggles, face masks, barrier creams etc.)</p> <p>Proper ventilation and protective measures must be provided during applications and drying period to keep solvent vapor concentrations within safe limits.</p> <p>Prior to use, obtain, consult and follow the MSDS for this product concerning health and safety information.</p>

## <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.