

Marine Paint Manual

Reference No. 16 - 04

Issue Date: January 2019 (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 ² /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)		
(for LT HARDENER)						
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)		
(for LT HARDENER)						
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 volume)					
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 ²			
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)					
	(for LT HARDENER) 6 hours (5°C) 4 hours (10°C) 2 hours (20°C)					

Marine Paint Manual

NEOGUARD 100 GF

Issue Date: January 2019 (ES)

Typical Package	16 L (BASE 12.5 L, HARDENER 3.5 L) Package may vary from country to country.
Japan Local Brand	NEOGUARD 100 GF
Flash Point	BASE 28°C, HARDENER 21°C, LT HARDENER 27°C (ISO3679:2015)
Surface Preparation	Blast cleaned to ISO-Sa 2 ¹ / ₂ , 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.
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.