

Marine Paint Manual

Reference No. 17 - 09

Issue Date: July 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 m²/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/cm²				
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)						

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Packaging	Two Packs
Japan Local Brand	NEOGUARD 100 GF
Flash Point	BASE 28°C, HARDENER 21°C, LT HARDENER 27°C
Surface Preparation	<p>Blast cleaned to ISO-Sa 2¹/₂, or Power tool cleaned to ISO-St 3 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 SDS 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) For availability of product consult Nippon Paint Marine representatives.