

# Marine Paint Manual

Reference No. : 05 - 10

Issue Date:January 2022 (ES)

## NIPPON E-MARINE 1000GF

A super high build, glass flake pure epoxy coating, which provides excellent resistance to water, chemicals and abrasion and good cathodic protection.

Suitable Use	Anticorrosive for rudders, stern frames, sea chest, boottop, keel plate, etc. where significant damage is expected from abrasion and corrosion.					
Type	Epoxy (High build / Glass flake / Two-pack)					
Color	Gray ,Red oxide					
Gloss	Flat					
Volume Solids	80 ± 2% (ISO3233:1998)					
Typical Dry Film Thickness	200 ~ 500 μm					
Approx. Wet Film Thickness	250 ~ 625 μm					
Theoretical Coverage	1.60 m²/ L (500 μm)					
Drying Time	Surface Dry	6 hours (5°C)	2 hours (20°C)	1 hours (30°C)		
	Dry Hard	24 hours (5°C)	8 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)	8 hours (20°C)	6 hours (30°C)		
	Max.	14 days (5°C)	7 days (20°C)	5 days (30°C)		
Thinner	NIPPON MARINE THINNER 600 ( 0 ~ 10%, by volume )					
Application Method	Airless Spray	Tip range	0.89 ~ 0.99 mm			
		Fan angle	55° ~ 62°			
		( For T/U )	30°			
		Output pressure	above 225 kg / cm²			
Mixing Ratio by Volume	BASE 79.5 / HARDENER 20.5					
Pot Life after Mixing	4 hours (5°C) 1.5 hours (20°C) 45 min (30°C)					
Packaging	Two Packs					
Japan Local Brand	NIPPON E-MARINE 1000GF					
Flash Point	BASE 29 °C, HARDENER 24 °C					
Surface Preparation	【Product produced and supplied in China】 HARDENER 29 °C					
	Blast cleaned to ISO-Sa 2 <sup>1</sup> / <sub>2</sub> is recommended.					
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.					

---

## ***Marine Paint Manual***

NIPPON E-MARINE 1000GF

Issue Date: January 2022 (ES)

### <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) Use high ratio types of airless spray equipment (ex. Asahi Sunac Mammoth above 45 : 1). The viscosity increases at low temperatures, particularly during winter and the paint cannot be applied with the airless spray of normal types. The high ratio types prevent from sagging caused by excessive dilution with thinner.
- 3) To prevent spray gun from clogging, remove all filters in the spray guns and surge chambers. Ball tip is recommended.
- 4) At temperatures below 10°C, it will take longer to dry and harden.
- 5) Avoid mixing a large amount of paint at one time because the usable time is shorter during high temperatures such as summer (30°C: 45 minutes).
- 6) For availability of product consult Nippon Paint Marine representatives.
- 7) Unit size and filled volumes can vary due to local regulations.
- 8) Store the paints in paint store.
- 9) Some regions will be supplied with NIPPON MARINE THINNER 615 instead of NIPPON MARINE THINNER 600.
- 10) Use products that comply with local regulations to clean the paint equipment.