

# Marine Paint Manual

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## ICEBAN 1600

A super high solids, low VOC, two pack pure epoxy abrasion and low frictional resistant anticorrosive for underwater hull of ice-going vessels. Super high build coating with a single coat is available. It facilitates the sailing in ice bound areas, by protecting outer hull from corrosion and keeping the surface smooth to reduce frictional resistance to ice.

Suitable Use	Underwater hull of ice-going vessels ( Ice coating )			
Type	Pure epoxy (High solids / Abrasion and low frictional resistant / Two-pack)			
Color	Red Oxide, Black			
Gloss	Gloss			
Volume Solids	95 ± 2% (ISO3233:1998)			
Typical Dry Film Thickness	500 µm			
Approx. Wet Film Thickness	526 µm			
Theoretical Coverage	1.90 m <sup>2</sup> / L (500 µm)			
Drying Time	Surface Dry	24 hours (10°C)	16 hours (15°C)	5 hours (25°C)
	Dry Hard	4 days (10°C)	78 hours (15°C)	48 hours (25°C)
Interval before Overcoating ( by self )	Min.	8 hours (10°C)	6 hours (15°C)	3 hours (25°C)
	Max.	16 hours (10°C)	12 hours (15°C)	6 hours (25°C)
Thinner	Dilution Not Allowed. For cleaning, use NIPPON MARINE THINNER 600.			
Application Method	Airless Spray	Dedicated Painting Equipment ( Hot Twin Feed ) See "Painting Procedure" for the details.		
	Brush	For touching up small areas only		
Mixing Ratio by Volume	BASE 2 / HARDENER 1			
Pot Life after Mixing	5 minutes (45°C)			
Typical Package	30 Liter (BASE 20 L, HARDENER 10 L) Package may vary from country to country.			
Japan Local Brand	ICEBAN 1600			
Flash Point	BASE 30 °C, HARDENER 38 °C			
Surface Preparation	Blast cleaned to ISO-Sa 2 <sup>1</sup> / <sub>2</sub> 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.			

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## Safety

Take precautions to avoid skin and eye contact (i.e. air-line masks and protective equipment 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) Do not dilute this product for the application. For cleaning, use NIPPON MARINE THINNER 600.
- 3) Store the paints in paint store.