

Marine Paint Manual

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UNIPRIME 100

UNIPRIME 100, is an abrasion resistant epoxy anticorrosive. With excellent resistance to water/seawater, it can be used for not only outer hull but also above water areas. This multipurpose anticorrosive primer enables unlimited intervals for by-self coating, and for various kinds of finishes in above water areas.

Suitable Use	Anticorrosive for outer hull (including bottom, boottop and topsides), decks, superstructure, cargo holds, etc.					
Type	Epoxy (High build / Two-pack)					
Color	Gray, Red Oxide					
Gloss	Flat					
Volume Solids	63 ± 2% (ISO3233:1998)					
Typical Dry Film Thickness	100 ~ 250 μm					
Approx. Wet Film Thickness	159 ~ 397 μm					
Theoretical Coverage	5.04 m ² /L (125 μm)					
Drying Time	Surface Dry	2 hours (5°C)	1 hour (20°C)	1 hour (30°C)		
	Dry Hard	24 hours (5°C)	10 hours (20°C)	8 hours (30°C)		
	(for LT HARDENER)					
	Surface Dry	2 hours (5°C)	2 hours (10°C)	1 hour (20°C)		
	Dry Hard	20 hours (5°C)	16 hours (10°C)	8 hours (20°C)		
Interval before Overcoating (by self)	Min.	24 hours (5°C)	10 hours (20°C)	8 hours (30°C)		
	Max.	— (5°C)	— (20°C)	— (30°C)		
	* As long as no one steps in the painted area, the interval can be shortened to at minimum 4 hours (20°C).					
	(for LT HARDENER)					
	Min.	20 hours (5°C)	16 hours (10°C)	8 hours (20°C)		
	Max.	— (5°C)	— (10°C)	— (20°C)		
	* As long as no one steps in the painted area, the interval can be shortened to at minimum 4 hours (10°C).					
Thinner	NIPPON MARINE THINNER 600					
Application Method	Airless Spray	Tip range	0.53 ~ 0.64 mm			
		Fan angle (T/U)	45° ~ 60° 30°			
		Output pressure	150 ~ 250 kg/cm ²			
		Brush / Roller	For touching up small areas only			
Mixing Ratio by Volume	BASE 3.85 / HARDENER 1					

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Pot Life After Mixing	7 hours (5°C) 5 hours (20°C) 4 hours (30°C) (for LT HARDENER) 3 hours (5°C) 2 hours (10°C) 1 hour (20°C)
Typical Package	16 L (BASE 12.7 L, HARDENER 3.3 L) Package may vary from country to country.
Japan Local Brand	UNIPRIME 100
Flash Point	BASE 14°C, HARDENER 30°C, LT HARDENER 30°C (ISO3679:2015)
Surface Preparation	Blast cleaned to ISO-Sa 2 ¹ / ₂ or power tool cleaned to St 3 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.

<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) Prior to overcoating, remove heavily chalked layer, salt contamination, etc. by fresh water washing.
- 3) Two types of the hardener are available for Summer version and Winter version.
- 4) Store the paints in paint store.