

Marine Paint Manual

Reference No. : E 10/16

Issue Date: February 2019 (EU)

UNIPRIME 200 HS

UNIPRIME 200 HS is a two-pack, high volume solid epoxy universal primer aiming for less volatile organic compounds. As this epoxy coating offers excellent resistant to water, seawater, abrasion and cathodic protection, it is suitable for all areas on both newbuildings and drydocks such as the underwater hulls, boottop, topsides, decks, holds, ballast tanks, etc. It can be overcoated with various kinds of finishes.

Suitable Use	Universal anticorrosive for all areas (underwater hulls, boottop, topsides, decks, holds, ballast tanks, etc.)				
Type	Epoxy (High-build / Two-pack)				
Color (Product code)*	Buff (ERP 1335)*		Red Oxide (ERP 3900)*		
	Gray (ERP 7101)*		Silver (ERP 9106)*		
	HARDENER (ERX 1755)*		*Not color code (See note 4)		
Gloss	Semi-gloss				
Volume Solids	82 ± 2% (ISO3233:1998)				
Typical Dry Film Thickness	250 µm				
Approx. Wet Film Thickness	305 µm				
Theoretical Coverage	3.28 m ² / L (250 µm)				
Drying Time	Surface Dry	20 hours (5°C)	8 hours (20°C)	6 hours (30°C)	
	Dry Hard	26 hours (5°C)	14 hours (20°C)	12 hours (30°C)	
	Full Cure	21 days (5°C)	14 days (20°C)	10 days (30°C)	
Interval before Overcoating (by self)	Min.	26 hours (5°C)	14 hours (20°C)	12 hours (30°C)	
	Max.	14 days (5°C)	14 days (20°C)	12 days (30°C)	
Thinner (Code. No.)	NIPPON MARINE THINNER 600 (VEP 46 / VEP 47) / 0 ~ 10%, by weight				
Application Method	Airless Spray	Tip range	0.48 ~ 0.59 mm (0.019" - 0.023")		
		Fan angle	55° ~ 62°		
		(T/U)	30 ~ 35°		
		Output pressure	150~250kg/cm ²		
	Brush / Roller	For touching up small areas only			
Mixing Ratio by Volume	BASE 18 / HARDENER 2				
Pot Life after Mixing	8 hours (5°C)	5 hours (20°C)	3 hours (30°C)		
Typical Package	20L (BASE 18L, HARDENER 2L)				
Flash Point	25°C				
Surface Preparation	Blast cleaned to ISO-Sa 2.5 or Power tool cleaned to ISO-St 3.0 is recommended.				
Generals	For commercial use only. Attention - Avoid exposure - obtain special instructions before use.				

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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 MSDS 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) Since pot life is shortened at high temperatures (2 hours at 30°C), avoid mixing excessive amounts at one time under such conditions. Do not store the paints outdoors in hot weather.
- 3) Discoloration (blackening) may occur on the surface due to sulphide in ballast water / sludge. Its anti-corrosive performance is not adversely affected by the discoloration .
- 4) This code is internal product code of NPMEU. Please be careful as it isn't color code.