

## Marine Paint Manual

Reference No. : E 10/16

Issue Date: February 2019 (EU)

### NIPPON PX-MARINE FINISH

High Solid, two-pack hybrid finish based on epoxy/silicone resin without isocyanates with excellent durability against solvents, chemicals, humidity, salt and other impurities. Shows improved gloss and colour retention as well as excellent mechanical properties. Specially designed as polysiloxane topcoat for high performance constructions such as bridges, offshore structures, tank farms and marine objects on top of a high performance anti-corrosive system when superior durability is required.

Suitable Use	Finish for top sides, superstructures, offshore structures, etc.							
Type	Polysiloxane (Two-pack)							
Color (Product Code)*	White (EPSI 9110)*	Other colors (See Note No.4)						
	HARDENER (EPX 2200)*	*Not color code (See note 5)						
Gloss	High Gloss							
Volume Solids	80 ± 2% (ISO3233:1998)							
Typical Dry Film Thickness	60 - 100 μm							
Approx. Wet Film Thickness	75 - 125 μm							
Theoretical Coverage	8.0 m²/ L (100 μm)							
Drying Time	Surface Dry	6 hours	(5°C)	3 hours	(20°C)	2 hours	(30°C)	
	Dry Hard	8 hours	(5°C)	6 hours	(20°C)	4 hours	(30°C)	
	Full Cure	14 days	(5°C)	7 days	(20°C)	5 days	(30°C)	
Interval before Overcoating ( by self )	Min.	8 hours	(5°C)	6 hours	(20°C)	4 hours	(30°C)	
	Max.	–	(5°C)	–	(20°C)	–	(30°C)	
Thinner (Code. No.)	NIPPON MARINE THINNER 700 (VFE 35) / 5 ~ 15%, by volume							
Application Method	Airless Spray	Tip range	0.33 ~ 0.48 mm (0.013" - 0.018")					
		Fan angle	55° ~ 60°					
		Output pressure	120 ~ 150 kg / cm²					
	Brush / Roller	For touching up small areas only						
Mixing Ratio by Volume	BASE 14L / HARDENER 6L							
Pot Life after Mixing	3 hours (5°C) 1 hours (20 °C) 30 minutes (30°C)							
Typical Package	20L (BASE 14 L, HARDENER 6 L)							
Flash Point	BASE 25°C, HARDENER 27°C							
Surface Preparation	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.							
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 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) During applications at high temperatures, use NIPPON MARINE THINNER 750.
- 3) Store the paints in paint store.
- 4) The following colours are available as our standard. (on request)
- 5) This code is internal product code of NPMEU. Please be careful as it isn't color code.