

Marine Paint Manual

Reference No. : E 10/16

Issue Date: February 2017 (EU)

TETZSOL 500 ECO (E)

A finish composed of silicone resin and colour pigment. It is widely used as a heatresistant (up to 500°C) finish for protecting steel of general structures from corrosion in high temperature environments. It offers good bendability and adhesion, as well as excellent resistance to sudden cooling. It does not contain hazardous heavy metal contents such as chrome or lead.

Suitable Use	Heat-resistant finish for boilers, funnels, etc.				
Type	Silicone (up to 500°C)				
Color (Product Code)*	Silver (SIE 9006)*	*Not color code (See note 6)			
Gloss	Flat				
Volume Solids	30 ± 2 % (ISO3233:1998)				
Typical Dry Film Thickness	20 µm				
Approx. Wet Film Thickness	65 µm				
Theoretical Coverage	15.00 m ² / L (20 µm)				
Drying Time	Surface Dry	2 hours (5°C)	30 minutes (20°C)	20 minutes (30°C)	
	Dry Hard	16 hours (5°C)	6 hours (20°C)	5 hours (30°C)	
Interval before Overcoating (by self)	Min.	16 hours (5°C)	6 hours (20°C)	5 hours (30°C)	
	Max.	- (5°C)	- (20°C)	- (30°C)	
Thinner (Code. No.)	NIPPON MARINE THINNER 200 (VCC 20M) / 0 ~ 5%, by volume				
Application Method	Airless Spray	Tip range	0.38 - 0.43 mm (0.015" - 0.017")		
		Fan angle	55 ~ 69°		
		Output pressure	120 ~ 150 kg / cm ²		
	Brush / Roller	For touching up small areas only			
Package	20L				
Flash Point	24°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.				
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.				

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<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) Strictly adhere to the painting intervals. Detachment may occur when the specified interval is exceeded.
- 3) Heating up to 200 °C for an hour is essential to achieve the designated film performance.
- 4) Detachment may occur if the coating is heated and dried at a rapidly rising temperature due to machinery operation. To prevent this, slowly increase the temperature by no more than 200 °C per hour or run the machinery intermittently.
- 5) Store the paints in paint store.
- 6) This code is internal product code of NPMEU. Please be careful as it isn't color code.