

# Marine Paint Manual

Reference No. : 17 - 05  
Issue Date: July 2019 (ES)

## TETZSOL 500 ECO

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℃)					
Color	Silver					
Gloss	Flat					
Volume Solids	22 ± 2 % (ISO3233:1998)					
Typical Dry Film Thickness	10 ~ 15 μm					
Approx. Wet Film Thickness	45 ~ 68 μm					
Theoretical Coverage	22.00 m²/ L (10 μm)					
Drying Time	Surface Dry	30 minutes	(5℃)	20 minutes	(20℃)	15 minutes (30℃)
	Dry Hard	16 hours	(5℃)	4 hours	(20℃)	3 hours (30℃)
Interval before Overcoating ( by self )	Min.	16 hours	(5℃)	4 hours	(20℃)	3 hours (30℃)
	Max.	7 days	(5℃)	7 days	(20℃)	7 days (30℃)
Thinner	NIPPON MARINE THINNER 500 ( 0 ~ 10%, by weight )					
Application Method	Airless Spray	Tip range	0.33 mm			
		Fan angle	55 ~ 69°			
		Output pressure	120 ~ 150 kg / cm²			
	Brush / Roller	For touching up small areas only				
Packaging	Single Pack					
Japan Local Brand	TETZSOL 500 ECO					
Flash Point	28 °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.					
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.					

---

## ***Marine Paint Manual***

TETZSOL 500 ECO

Issue Date: July 2019 (ES)

### <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) For availability of product consult Nippon Paint Marine representatives.
- 6) Unit size and filled volumes can vary due to local regulations.
- 7) Store the paints in paint store.