Marine Paint Manual

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TETZSOL P-500 ECO

A primer composed of silicone resin and colour pigment. It is widely used as a heatresistant (up to 500 ℃) primer for protecting steel of general structures and other areas from corrosion in high temperature environments. It offers good bendablity 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 primer for boilers, funnels, etc.							
Type	Silicone (up to 500℃)							
Color	Gray, Red Oxide							
Gloss	Flat							
Volume Solids	36 ± 2 % (ISO3233:1998)							
Typical Dry Film Thickness	20 ~ 30 μm							
Approx. Wet Film Thickness	56 ~ 84 μm							
Theoretical Coverage	14.40 m²/ L (25 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	Min.	16 hours	(5℃)	4 hours	(20℃)	3 hours	(30℃)	
(by self)	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						
Package	18kg Package may vary from country to country.							
Japan Local Brand	TETZSOL P - 500 ECO							
Flash Point	28 ℃							

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.

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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 ℃ 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 ℃ per hour or run the machinery intermittently.
5) Store the paints in paint store.