

# Marine Paint Manual

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## TETZSOL M PRIMER

Two-pack pure inorganic zinc primer designed for super heat-resistant property up to 800 °C. It is free from burnt damages caused by welding or fairing from opposite side. After heated up to 800 °C at construction process, anticorrosive property superior to conventional rust primers is maintained and it can be overcoated with a wide range of coatings.

Suitable Use	Under insulation of engine room and interior of superstructure		
Type	Zinc dust / Heat-resistant anticorrosive pigment / Heat-resistant silicate (Two-pack)		
Color	Gray		
Gloss	Flat		
Volume Solids	31 ± 2% (ISO3233:1998)		
Typical Dry Film Thickness	30 ~ 40 µm		
Approx. Wet Film Thickness	97 ~ 129 µm		
Theoretical Coverage	8.86 m <sup>2</sup> / L (35 µm)		
Drying Time	Surface Dry	12 minutes (5°C)	3 minutes (20°C) 2 minutes (30°C)
	Dry Hard	1 <sup>1</sup> / <sub>2</sub> hours (5°C)	30 minutes (20°C) 20 minutes (30°C)
	Full Cure	12 days (5°C)	7 days (20°C) 5 days (30°C)
Interval before Overcoating ( by self )	Min.	1 <sup>1</sup> / <sub>2</sub> hours (5°C)	30 minutes (20°C) 20 minutes (30°C)
	Max.	— (5°C)	— (20°C) — (30°C)
Thinner	NIPPON MARINE THINNER 900 ( 0 ~ 10%, by weight )		
Application Method	Airless Spray	Tip range	0.53 mm
		Fan angle	55 ~ 75°
		( For T/U )	30°
		Output pressure	60 ~ 100 kg / cm <sup>2</sup>
	Brush		
Mixing Ratio by Volume	BINDER 1.67 / PASTE 1		
Pot Life after Mixing	32 hours (5°C)	24 hours (20°C)	16 hours (30°C)
Typical Package	20L (BINDER 12.5L, PASTE 7.5L)		
	Package may vary from country to country.		
Japan Local Brand	TETZSOL M PRIMER		
Flash Point	BINDER 11 °C, PASTE 7 °C		
Surface Preparation	Blast cleaned to ISO-Sa 2.0 or power tool cleaned to ISO-St 2.0 is recommended.		

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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) As this paint can precipitate after mixing, it should be continuously stirred while painting.
- 3) Use only on surfaces of inorganic paints or steel panels.
- 4) Take special care when applying at high film thickness(over 50  $\mu\text{m}/\text{pass}$ ). Or it can cause sagging and cracking.
- 5) Be careful of bubbling when painting top coats.
- 6) Be sure to use up the BASE within 6 months.
- 7) Store the paints in paint store.