

Marine Paint Manual

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NIPPON Z-MARINE 1000 QC S

A high-build self-hardening inorganic zinc silicate paint composed of zinc metal dust and alkyl silicate resin. It offers excellent anticorrosive properties achieved by a combination of a silicate resin with a large quantity of metallic zinc, as well as superior resistance to oil, heat and water. When combined with epoxy and tar epoxy paints in a coating system, its anticorrosive performance is greatly enhanced.

Suitable Use	Anticorrosive for topsides, decks, exterior of superstructures, offshore structures, etc.		
Type	Zinc dust / Ethyl silicate (High build / Two-pack)		
Color	Gray		
Gloss	Flat		
Volume Solids	60 ± 2% (ISO3233:1998)		
Typical Dry Film Thickness	40 ~ 75 µm		
Approx. Wet Film Thickness	67 ~ 125 µm		
Theoretical Coverage	8.00 m ² / L (75 µm)		
Drying Time	Surface Dry	40 minutes (5)	30 minutes (20) 20 minutes (30)
	Dry Hard	2 hours (5)	1 ¹ / ₂ hours (20) 1 hour (30)
	Full Cure	30 days (5)	25 days (20) 20 days (30)
Interval before Overcoating (Topcoat indicated below)	Min.	4 days (5)	2 days (20) 2 days (30)
	Max.	— (5)	— (20) — (30)
Thinner	NIPPON MARINE THINNER 900 (0 ~ 5%, by weight)		
Application Method	Airless Spray	Tip range	0.48 ~ 0.59 mm
		Fan angle	52 ~ 69°
		(For T/U)	30°
		Output pressure	70 ~ 120 kg / cm ²
	Brush	For touching up small areas only	
Mixing Ratio by Weight	BASE 29 / ZINC DUST 71		
Pot Life after Mixing	7 hours (5) 5 hours (20) 3 hours (30)		
Typical Package	25kg (BASE 7.25kg, ZINC DUST 17.75kg)		
	Package may vary from country to country.		
Japan Local Brand	NIPPE ZINKY 1000 QC S		
Flash Point	BASE 11		
Surface Preparation	Blast cleaned to ISO-Sa 3.0 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 MSDS 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) Steel plate should be sand-blasted or shot-blasted.
- 3) As this paint is apt to precipitate after mixing, stir continuously during application. Use up the mixed paint within the first day of mixing.
- 4) Use up the base paint in the first six months.
- 5) When applying on top of NIPPON Z-MARINE 1000 QCS, mist coat should be done in subsequent application. Thin down the paint to be applied over NIPPON Z-MARINE 1000 QCS, by 25 ~ 60% and apply a thin (DFT 25 - 50 μ m) mist like coat which penetrates into the pores and replace the air.
- 6) Store the paints in paint store.