



RAINBOW

WATER-BASED INORGANIC ZINC SILICATE

PRODUCT NUMBER	No.1034
TYPE	A two-pack, inorganic zinc rich rust preventive paint based on ethyl silicate and purity zinc.
USES	Long-potent rust preventive coating for ship's shell, cargo hold or steel structures of power oil refineries and pulp factories etc.
CHARACTERISTICS	<ol style="list-style-type: none">1. Excellent corrosion and weather resistance.2. Excellent heat resistance withstands up to 400 °C.3. Excellent resistance to mechanical damage.4. Unaffected by gas-cutting and welding.5. Excellent resistance to oil and organic solvents.
GLOSS	Flat
COLOR	Gray
WEIGHT	2.7 kg/L (Mixture)
VISCOSITY (25 °C)	70~85 KU (Mixture) (25 °C)
DRYING TIME (25 °C)	Set-to-touch 10 mins. Dry hard 12 hours
OPTIMUM FILM THICKNESS	WFT 150 µm DFT 75 µm
OVERCOATING INTERVALS (25°C)	Min. 12 hrs.
THEORETICAL COVERAGE	25.2 m ² /Gal 6.7 m ² /L 2.4 m ² /kg (@75µm)
MIXER RATE	Base : Zinc dust = 29 : 71 (by weight.)
NON-VOLATILE CONTENT	Above 75% (Mixer)
POT LIFE	4 hrs. (Mixer, 25 °C)
DRY TEMPERATURE RESISTANCE	Continuous: 382°C
THINNER	Water
SUBSEQUENT COATS	Epoxy, Polyurethane, Water-based epoxy
STORAGE SHELF LIFE	Minimum 1 year under normal storage conditions.
APPLICATION METHOD	Airless Spray, Brush.
NOTE	<ol style="list-style-type: none">1. Pour the zinc dust gradually into the base with constant stirring, and then pass through 60 mesh filter.2. When used inside tanks, sufficient ventilation must be provided.3. One mist coat must be applied before finish coats to avoid blistering.4. Steel surfaces must be blast-cleaned to SIS Sa2 1/2, with moderate roughness.5. It is not recommended to work under 10 °C.6. Need to use low-speed mixing equipment to continue low-speed mixing to avoid zinc powder precipitation.7. Avoid applying the paint in rainy weather or relative humidity exceeded 85% .

EPDM421034XX V1.1

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