

MORSUN INORGANIC ZINC SILICATE

PRODUCT CODE
MCS-ZS-011
PRODUCT DESCRIPTION

A two pack self-curing ethyl silicate based Inorganic Zinc Coating

SUGGESTED USES

An ideal primer for use on steel blasted to Sa 2.5 to near white metal finish. Morsun Inorganic ZincSil has excellent resistance to abrasion and corrosion and performs extremely well even when used as a single coat system in coastal, marine and industrial environments. This coating enhances anti-corrosive performance of over coating systems like chlorinated rubber based paints, epoxies, polyurethane coatings and the like. Morsun Inorganic ZincSil prevents sub film corrosion due to its galvanic action

TECHNICAL DATA

Colour	Grey
Finish	Matt
Mixing Ratio	Powder : Binder (Use Power Mixing device) 3 : 2 (by weight)
Pot Life	2 - 4 hours
Volume Solids	60% + 2
Recommended DFT	75μ Max
Theoretical Covering	8 M2 at 75μ
With 30 % Loss	5.6 M2
Drying Time	Surface dry : 30 Minutes
Overcoating Interval	Min- 12 Hours, Max- Indefinite. Ensure the substrate to be coated is free of Zinc Salts and other contaminants after prolonged exposure
Thinner Recommended	Thinner for ZincSil. (Not for Thinning / only cleaning)
Method of Application	Mixing: Mix Binder thoroughly to get homogenous material. Then add Powder part to Binder gradually under constant stirring to get uniform Slurry. Strain mixed paint through 80 – 100 mesh sieve to avoid clogging of spray gun and keep stirring the material through out application to avoid settling of Zinc Dust and pigments. Use Conventional / Airless Spray / Brush for small areas. Use plastic container for mixing the material. Application not to be done at Relative Humidity less than 50%
Airless Spray	Tip Size: 0.019"- 0.025" : Fluid Pressure: 1500-2500 psi
Heat Resistance	Upto 400°C dry heat
Shelf Life	Upto 6 months in sealed container stored at room temperature
Surface Preparation	Degrease and blast clean to Sa 2½, profile not to exceed 70 microns
Precautions	Avoid dry film thickness in excess of 75 microns at it may cause mud cracking, if it so happens surface will again have to be blast cleaned to white metal
Limitations	The primer being zinc based is not Acid/ Alkali resistant
Packing	20 litres, 10 litres, 5 litres

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