



ZINC SILICATE PRIMER

General Description:

ZINC SILICATE PRIMER is a two-pack moisture curing primer based on ethyl polysilicate for zinc rich coatings.

Major Uses:

As a protective primer for steel structures on extreme atmosphere and above waterline, to be over coated with vinyl, epoxy chlorinated rubber and polyurethane systems.

Characteristics and Physical Properties:

Color	Zinc Grey
Solid Content %	66 +/- 2
Specific Gravity	2.0
Appearance	Flat
Flash Point	20 ⁰
Pot Life @ 25 ⁰ C	8 – 10 hrs.
Dft.	60 – 80 microns.
Coverage	8 – 11 m ² / lit.

Application Details:

Method of Application: By brush ,roller and Conventional Spray.

Spray Data	
Conventional Spray	
Nozzle Orifice	2 – 3mm.
Nozzle Pressure	43 – 57 psi.
Dilution	5 – 10 %
Thinner	# 135
Airless	
Nozzle Orifice	0.38 – 0.46 mm.
Nozzle Pressure	1138 - 1710 psi.
Dilution	0 - 5%
Thinner	#135

Surface Preparation:

- The temperature of the substrate should be min. of 30⁰C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate.

- Zinc silicate, in general, requires moisture for curing and may improved by sprinkling fresh water at the paint film.
- Be assured that prior to top coating ZINC SILICATE PRIMER must be completely cured, to avoid poor adhesion.

Drying Time:

The drying time is evaluated according to ASTM D 1640 at room temperature. However, the drying time varies on the film thickness, number of coats and temperature.

Surface Dry @ 25 ⁰ C	2 hrs.
Hard Dry @ 25 ⁰ C	6 hrs.
Cured	7 days.
To recoat	12 hrs.

Typical Recommended System:

ZINC SILICATE PRIMER	- 1 Coat @ 75 microns. Topcoat with vinyl, Chlorinated.
Epoxy, Polyurethane	- 2 Coats @ 100 microns

Storage:

ZINC SILICATE PRIMER should be kept in cool place below 25⁰C. Shelf life of 12 months minimum in a tightly close container.



Cleaning of Tools:

All tools should be cleaned with Wash Thinner or Epoxy thinner # 135 as soon as possible.

Precautions:

ZINC SILICATE PRIMER does not contain dangerous solvent, nevertheless, good ventilation in a working room is recommended as well as the use of safety tools and equipment ZINC SILICATE PRIMER is flammable and harmful if swallowed. If contact with eyes occurs, rinse with fresh water and seek immediate medical advise.

The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.

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