

Product Details

A two component self-curing solvent based primer specially developed by us for the protection of steel in Marine, Coastal and Corrosive Industrial environments. It gives outstanding cathodic protection to steel by eliminating sub-film corrosion. It is compatible with a wide range of topcoats and it immensely upgrades anticorrosive performance of over coating system. This paints' specifications are meet to IS:14946:2001

SURFACE PREPARATION

Degrease and blast clean to Sa 2 ½ grade minimum of Swedish specification SIS - 05 - 5900 - 1967. No other mode of surface preparation is acceptable. Surface profile not to exceed 65 microns and surface should be perfectly clean and dry before application of Surya SOLID COAT HB Zinc Ethyl Silicate Primer

APPLICATION METHOD

Conventional spray / Airless spray / Brush for small

area only. Stir Accelerator thoroughly to uniform consistency and add zinc paste (Base) to binder with constant stirring preferably with mechanical stirrer, to get a thorough dispersion. The mixed paint should be strained through 80 – 100 mesh sieves and also it should be kept well stirred during application to avoid any settling and clogging of spray gun. Use plastic container for mixing base & Accl.

APPLICATION DETAILS

Notes on Airless Spray:

Tip Range: 15 - 21 thou

Total out put fluid pressure-

1700 – 2300 psi

(120 - 162 kg/sq.cm)

LIMITATIONS

Being Zinc based, the coating is not resistant to acid and alkali solutions

USES

Zinc-rich primer is protecting ferrous surfaces, such as bridges, tanks, and structural steel. Zinc pigment provides cathodic protection and film undercutting resistance to corrosion. Performance is similar to hot-dipped galvanizing. It is single coat system or priming coat for heavy duty systems for:- Structural Steel, Pipelines, interior and exterior of storage tanks for Fertilizer plants, Refineries & Petrochemical units, Chemical units, Offshore Platforms, Power Plants etc.

NOTES

1. This cancels all previous literature on this product and is subject to revision without notice
2. Use off mixed paint within stipulated pot life period.
3. Use of thinners other than supplied or approved by Shalimar may adversely affect product performance and void product warranty whether express or implied.
4. The coating cures by reaction with moisture and may be applied at high humidity provided the surface itself is free from condensation.

5. PRECAUTION

For proper curing relative humidity should not be lower than 40%. Dry film thickness in excess of 75 microns must be avoided since mud cracking could occur. If it occurs blast cleaning to bright metal and re priming will be necessary.

Technical Data Sheet

Description	Specification
Color	Grey
Finish	Matt
Flash Point	Above 15° C
Mixing Ratio Base: Accelerator	1:1 (by volume)
Volume Solids	60 % ± 3 % approximately
Zinc Content	80% Zinc in Dry film
Zinc Type	ASTM D-520, Type II (98% zinc in powder component), or Type III (99% zinc in powder component) when specified
VOC	470 g/l
Recommended dry film thickness	65 - 75 Microns / Coat
Corresponding wet film thickness	108 - 125 Microns
Theoretical Spreading Rate	8 – 9 Sq. Mtr. / Ltr.
Drying time	Touch dry- 30 Min. Handleable- 4 – 6 hrs. Full Cure- 7 Days
Interval before over coating	Minimum – 12 hrs. Maximum – indefinite at 20° C & 50% RH
Dry Heat Resistance	Upto 400° C
Pot life	4 - 6 hrs.
Weight Per Liter	2.1 Kg/Liter, Minimum

Chemicals Resistance

Exposures	Splash and Spillage	Mild Fumes / Outdoor resistance
Acids	Good	Good
Alkalis	Good	Good
Solvents	Poor	Poor
Water	Excellent	Excellent
Salt	Good	Good

Painting Specification

Surface	1 st Coat	2 nd Coat	3 rd Coat	4 th Coat
Steel	Zinc Ethyl Silicate/ Zinc Rich Primer	Coal Tar Epoxy	Coal Tar Epoxy	-
--- do ---	Epoxy Zinc Phosphate Primer	Epoxy HB MIO Primer	Coal Tar Epoxy	Coal Tar Epoxy
--- do ---	HB MIO Surface Tolerant Coating	Coal Tar Epoxy	Coal Tar Epoxy	-
Concrete	Epoxy Clear Coating	Coal Tar Epoxy	Coal Tar Epoxy	
Galvanized or Aluminum	Etch Primer	Coal Tar Epoxy	Coal Tar Epoxy	-

Notes

- Do not apply when temperature falls below 10° C or rises above 50° C and when relative humidity rises above 90%. Do not apply during rain, fog or mist.
- Use off mixed paint within stipulated pot life period.
- Use of thinners other than supplied or approved by Surya WALL CARE may adversely affect product performance and void product warranty whether express or implied
- For proper curing of film, ambient temperature should not be lower than 10° C.

The information in this leaflet is given in good faith. The company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user of the data contained therein. It is the user's responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of result is extended since conditions of use are beyond our control.

Mfg. by

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