

SIPZINC 130

Alkyl Silicate Inorganic Zinc Rich Coating

Product No. 6130

Features

- Cathodic protection against corrosion.
- Conductive zinc rich primer. - Pure ethyl silicate binder.
- Excellent drying at low temperatures and at high humidity.
- Compatible with most high performance coatings systems.
- Heat Resistant: Totally inorganic limited only by the melting point of zinc.
- Approved under APCS-1A, 1D, 11A & 17A

Recommended Use

- SIPZINC 130 zinc rich coating provides cathodic protection properties to all high performance coating systems used in the following industries:
 - Maritime: ships, barges, and piers.
 - Offshore: production platforms and drilling rigs.
 - Structural steel of all type, Pulp and paper, sewage and waste treatment.
 - Chemical and refinery. Bridges and tank coating.

Physical Data

Finish : Flat

Colour : Grey

Volume Solids : 68%

Recommended Film Thickness :
50 - 100 microns dry = 75 - 147 microns wet

Theoretical Coverage :
13.6 m²/ltr. at 50 microns

Density (Mixed) : 2.4 kg/ltr.

Drying Times :
At 25°C / 50 % RH

Tack free : 1 Hour

Recoatable : Overnight

Heat Resistant : 400°C dry

Flash Point : 27°C

Specification Data

Preparation Steel

All surfaces must be free of oil, grease and moisture before blast cleaning to a near white Steel Structures Painting Council SP10 or ISO 8501-1 Sa 2.5. The steel profile should be between 1.5 to 2.5 mils (38 to 63 microns) in depth and be of a jagged nature as opposed to a peen pattern. Surface must be free of grit dust. SIPZINC 130 coating is compatible with alternate surface preparations such as wet blasting, pickling and chemical treatments. There must, however, always be a surface roughness to obtain adhesion. Consult the SIPCO Technical Services Department if alternate surface preparations are planned.

Application Data

Mixing Ratio by Weight	10 Lit. Kit : 9.00kg. of Binder : 15.00 kg. of Zinc Dust
Mixing Advice	SIPZINC 130 is supplied in two components comprised of a liquid portion and a dry powdered metal portion in the proper mixing ratios. The two components, when mixed together, make up a 5 or 10 ltr. unit. The powder portion should be added to the liquid portion slowly while agitating with a power mixer at low speeds. After the powder adds is complete, mix well at higher speeds. Always filter through a wire screen 30 to 60 mesh or equivalent before spraying to insure removal of any powdered zinc agglomerates.
Thinning	Thinner 770 Normally, SIPZINC 130 does not need to be thinned; however, under hot and windy conditions, the slow evaporation rate of Thinner 770 may help to prevent "dry spray". 0 - 20 % Thinning may be utilized.
Pot Life	6 hours at 25°C.
Application Condition	The substrate temperature must be at least 3°C above the dew point to prevent condensation. Never apply paint under adverse weather conditions. In confined spaces, constant purging of the air during application and drying is necessary to eliminate solvent vapours for reasons of health and safety as well as to assist evaporation.
Notes	Cure and hardness of the coating is a function of moisture content in the air. At low humidity, curing time may be reduced by using sweet water mist on the coated surface. A mist coat or tie coat, thinned down version (10-25%), may be required to minimize topcoat bubbling in subsequent coat.
Application Method	Airless spray
Application Details	For airless spray application: - 30 : 1 ratio airless pump. For inorganic zinc, Teflon packing and stainless steel or hard chrome trim is recommended. - Airless spray gun fitted with .017" diameter orifice tip or larger. Use of a .030" pre-orifice disc is also recommended. - 50 ft. (15.2 mtr.) 3/8" diameter ID airless hose. Re-circulating lines are recommended for spraying zinc through airless equipment when delays in application procedures occur. - Air supply minimum of 100 PSI (7 BAR) at pump intake.
Cleaning of Equipment	Use Thinner 770.

Storage Information

Pack Size	5 and 10 ltr. two component kits.
Storage	Store generally in original sealed container, indoors, at a temperature between 5 and 40°C and relative humidity below 70%.
Shelf Life	1 Year

Safety Information

See the material safety data sheet and product label for complete safety and precaution requirements.

Disclaimer

The information in this data sheet represents test results or experience under well defined conditions. Its accuracy or suitability under the actual conditions of any intended use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate and application, manufacturer and seller can not accept any liability in connection with the use of the product relative to coverage, performance, injury or damage, unless we specifically agree in writing to do so. The information in this data sheet is subject to change without notice and it is the user's responsibility to ensure it is current. For further information and advice contact SIPCO Technical Services Department on Tel. (03) 847 2299, Fax (03) 847 3780.