



SIPZINC 150

Product No. 6150

Alkyl Silicate Inorganic Ultra High Zinc Coating

Features

- Heavy Duty Permanent Primer: Outstanding cathodic protection against corrosion contains high levels of zinc metal.
- Compatible: With most high performance coating systems.
- Approvals:
Meets US Naval ships technical manual chapter 631, meets SSPC-Paint 20 specification, MIL-P-38336.

Recommended Use

- Chemical Industries, Ships, Piers and Docks Refineries, Structural Steel Tanks and Bridges.
- Sewage and Waste Plants, Offshore Platforms and Drilling Rigs.
- Pulp and Paper Mills, Fertilizer Plants, Barges and Work Boats.

Physical Data

Finish : Flat

Colour : Grey

Volume Solids : 67%

Recommended Film Thickness :
50 -100 microns dry = 75 - 150 microns wet

Theoretical Coverage :
13.4 m²/ltr. at 50 microns

Density (Mixed) : 2.65 kg/ltr.

Drying Times :
At 25°C / 50 % RH

Tack Free : 1 Hour

Recoatable : 8 Hours

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 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 150 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 Volume	5 Litre Kit	:	3.70 kg Binder 9.30 kg Zinc Dust
Mixing Advice	<p>SIPZINC 150 is supplied in two components comprising 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.</p> <p>The powder portion should be added to the liquid portion slowly while agitating with a power mixer at low speeds. When all the powder has been added, mix well at higher speeds. Always filter through a wire screen 30 to 60 meshes or equivalent before spraying to ensure removal of any powdered zinc agglomerates.</p>		
Thinning	<p>Thinner 770</p> <p>Normally, SIPZINC 150 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 - 10% Thinning may be utilised.</p>		
Pot Life	8 hours at 25°C		
Application Condition	<p>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.</p>		
Application Methods	Airless spray		
Application Details	<p>For airless spray application:</p> <ul style="list-style-type: none"> - 30 : 1 ratio airless pump. For inorganic zinc, Teflon packing and stainless steel or hard chrome trim are 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 Tools	Use Thinner 770.		

Storage Information

Pack Size	5 and 10 ltr. two component kits containing powdered zinc and a liquid component in the proper mixing ratios.
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 represent 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.