BERGER Protecton PROTECTIVE COATINGS

Linosol High Build Zinc Phosphate Primer

USES

Recommended for protection of steel structures including cranes, bridges, conveyors, etc., under industrial and saline conditions. Specified in fertilizer plants, thermal power plants, gas works, paper mills, steel plants, etc.

SCOPE

A high build anticorrosive primer based on chlorinated rubber incorporating zinc phosphate as the passivating pigment. When used in combination with Linosol top coats, the coating system exhibits exceptional water impermeability, resistance to salt spray and fumes of most acids.

PRODUCT DATA

Type : Single Pack

Composition : Plasticised chlorubber medium / Zinc Phosphate

Application : Brush or Airless Spray

Recommended DFT : 35–50 microns per coat

Corresponding WFT : 80–114 microns per coat

Theoretical Spreading Rate : 8.8–12.6 Sq. Mtr./Ltr.

Drying Time :

TOUCH	: 30 minutes
HANDLE	: 6 hours
HARD	: 8 hours

Overcoating Interval :

MIN	: 8 hours

Flash Point : Above 25° C

Colour : Grey & Red Oxide

Packing : 20 Ltrs.

Thinner/Cleaner : Thinner 853

Finish : Matt

Storage Life : Upto twelve months as long as the sealed containers are kept under cover in a dry place under normal temperature conditions.

RESISTANCE GUIDE

Chemical Resistance :

EXPOSURES	SPLASH & SPILLAGE	MILD FUMES / OUTDOOR RESISTANCE
Acids	Good	Very Good
Alkalis	Fair	Fair
Solvents	Poor	Poor
Salt	Good	Good
Water	Very Good	Very Good

Temperature Resistance :

Continuous	: 65° C
Intermittent	: 75° C

Weatherability : Good in combination with suitable top coat

Flexibility : Good

Abrasion Resistance : Moderate

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SURFACE PREPARATION

Remove grease, oil and other contaminants preferably by using Bison Degreasing Solvent. Blast clean to a minimum of Sa 2 1/2 Swedish Standard SIS 05 5900 with a surface profile not exceeding 35–40 microns.

If blasting is not practical, make full use of mechanical tools along with manual chipping and wire brushing to remove loose rust and scale to St. 2 Swedish Standard SIS 05 5900. Excessive burnishing of steel is to be avoided. Thoroughly dust down all surfaces.

The surface should be clean and dry before application of Linosol HB Zinc Phosphate Primer.

APPLICATION

Stir the contents thoroughly before and during use.

Brush : Apply, without thinning, to the recommended dry film thickness.

Airless Spray : Add upto 5% Thinner 853 if required. Use any standard equipment having pump ratio 30 : 1 or 40 : 1. Tip size 0.38–0.48 mm. Tip pressure 110–160 Kg/cm^2.

TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat	4th Coat
Steel	Linosol HB Z/P Primer	Linosol C/R Paint or Linosol HB Chlorofinish	Linosol C/R Paint or Linosol HB Chlorofinish	
-do-	-do-	Linosol HB MIO	-do-	Linosol C/R Paint or Linosol HB Chlorofinish
Galvanised Iron & Aluminium	Degrease and abrade the surface. Apply a coat of Bison Wash Primer followed by any one of the above systems.			

Notes :

1. Do not overwork as wet edge properties are limited.
2. 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.
3. Brushes and spray equipment should be cleaned with Thinner 853 otherwise equipment is likely to be damaged.
4. Primed steel work should not be exposed with one coat for long periods. For longer protection, one coat of Linosol HB MIO or other top coat may be applied.

Health & Safety : Please refer to the separate Ssafety Data Sheet available with detailed information.

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