



# **BERGER** **Protecton** PROTECTIVE COATINGS

## **Luxol Zinc Chromate Primer**

### **USES**

Suitable for steelworks and non-ferrous metals in mild industrial and inland environments. It may be used as either shop or field applied primer for all general structural steel, cranes, towers, tanks, equipment, etc.

### **SCOPE**

The primer is recommended for both ferrous and non-ferrous metal surfaces. It can be overcoated with conventional as well as chlorinated rubber coatings.

### **PRODUCT DATA**

**Type :** Single Pack

**Composition :** Modified alkyd medium pigmented with zinc chromate

**Application :** Brush, Conventional or Airless Spray

**Recommended DFT :** 25–35 microns per coat

**Theoretical Spreading Rate :** 11.4–16.0 Sq. Mtr./Ltr.

**Drying Time :**

TOUCH : 1–2 hours  
HANDLE : 4–6 hours  
HARD : Overnight

**Overcoating Interval :**

MIN : Overnight for conventional and 24 hrs. for chlororubber

**Flash Point :** Above 30° C

**Colour :** Yellow

**Packing :** 20 Ltrs.

**Thinner/Cleaner :** Thinner 800

**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	N/R	Poor
Alkalis	N/R	Poor
Solvents	N/R	Poor
Salt	Good	Good
Water	Good	Good

**Note :** Not recommended for immersion services

**Temperature Resistance :**

Continuous : 93° C  
Intermittent : 120° C

**Weatherability :** Excellent with suitable top coat

**Flexibility :** Excellent

**Abrasion Resistance :** Moderate

### 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 Luxol Zinc Chromate Primer.

### APPLICATION

Mix the contents thoroughly before and during use.

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

**Conventional Spray :** Add upto 10% Thinner 800. Use any standard equipment at an atomising pressure of 4.1–4.8 Kg/cm<sup>2</sup>.

**Airless Spray :** Add upto 5% thinner if required. Use any standard equipment having pump ratio 30 : 1 or 40 : 1. Tip size 0.43–0.54 mm. Tip pressure 110–150 Kg/cm<sup>2</sup>

### TYPICAL PAINTING SPECIFICATIONS

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

### 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.
- Primed steel work should not be exposed with one coat for a long period. For long term protection, one coat of Bison HB MIO or other top coats may be applied.

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

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