



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/cm².

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/cm²

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 :

1. 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.
2. 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.

DISCLAIMER

The information contained within this Data Sheet is based on information believed to be reliable at the time of its preparation. 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 herein. It is the users' responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.

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