



# BERGER **Protecton** PROTECTIVE COATINGS

## Bison Synthetic High Build ROZP Primer

### USES

Recommended for use as a primer on general structural steel subject to aggressive atmospheric corrosion. Ideal for tank exteriors, bridges, cranes, towers, etc.

### SCOPE

A high build Synthetic Primer recommended for exterior and interior steel surfaces subjected to high humidity, condensation, marine and coastal corrosive environments. It can be overcoated with conventional top coats as well as aluminium paints.

### PRODUCT DATA

**Type :** Single Pack

**Composition :** Modified alkyd medium pigmented with Zinc Phosphate and Red Oxide of Iron

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

**Recommended DFT :** 35–50 microns per coat

**Theoretical Spreading Rate :** 8.0–11.4 Sq. Mtr./Ltr.

#### Drying Time :

TOUCH : 1–2 hours  
 HANDLE : 8–10 hours  
 HARD : 18–24 hours

#### Overcoating Interval :

MIN : 18–24 hours  
 MAX : Indefinite

**Flash Point :** Above 30° C

**Colour :** Red Oxide

**Finish :** Matt

**Packing :** 20 Ltrs.

**Thinner/Cleaner :** Thinner 800

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

#### Temperature Resistance :

Continuous : 93° C  
 Intermittent : 120° C

**Weatherability :** Excellent with suitable top coat

**Flexibility :** Excellent

**Abrasion Resistance :** Moderate

**SURFACE PREPARATION**

**Steel :** 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 the primer.

**APPLICATION**

Mix the contents thoroughly before and during application.

**Brush :** Apply preferably without thinning. If required, add upto 5% Thinner 800.

**Conventional Spray :** Add upto 10% Thinner 800. Use any standard equipment at an atomising pressure of 4.2–4.9 Kg/cm<sup>2</sup>.

**Airless Spray :** Add upto 5% Thinner 800 if required. Use any standard equipment having pump ratio 30 : 1. Tip size 0.43–0.53 mm. Tip pressure 120–150 Kg/cm<sup>2</sup>.

**TYPICAL PAINTING SPECIFICATIONS**

Surface	1st Coat	2nd Coat	3rd Coat	4th Coat
Steel	Bison HB ROZP Primer	Bison HB ROZP Primer	Berger Aluminium Paint or Torpedo Syn. Enl.	Berger Aluminium Paint or Torpedo Syn. Enl.
-do-	-do-	Bison HB MIO	-do-	-do-
Galvanised Iron & Aluminium	Degrease and abrade the surface. Apply a coat of 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 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.

**DATA SHEET No. : 109**  
**Issue Date : Mar. 04**

**BERGER PAINTS INDIA LIMITED**