



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

## Bison Zinc Phosphate RSP Primer

### USES

Anticorrosive Primer for general atmospheric conditions for application on structural steel, equipments and pipelines.

### SCOPE

A steel primer recommended for exterior and interior surfaces subjected to humidity, condensation and industrial environments in general. It can be overcoated with conventional synthetic top coats as well as aluminium paints.

### PRODUCT DATA

**Type :** Single Pack

**Composition :** Modified alkyd medium pigmented with zinc phosphate and fortified with redoxide

**Application :** Brush and Conventional Spray

**Recommended DFT :** 30- 40 microns per coat

**Theoretical Spreading Rate :** 9 -12 sqmts/ ltr/coat

**Drying Time :**

Touch	1 -2 hrs
Handle	6 - 8 hrs
Hard	Overnight

**Overcoating Interval :**

Minimum	Overnight
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**Flash Point :** Above 30° C

**Colour :** Red Oxide

**Packing :** 20 Ltrs.

**Thinner/Cleaner :** Thinner 800

**Finish:** Matt

**Storage Life :** Upto nine 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	Fair	Good
Water	Good	Good

**Temperature Resistance :**

Continuous	: 93 ° C
Intermittent	: 120 ° C

**Weatherability:** Excellent with suitable top coat

**Flexibility:** Good

**Abrasion Resistance:** Moderate

**DATA SHEET No: XXII**  
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**SURFACE PREPARATION**

Remove grease, oil and other contaminants preferably by using a degreasing solvent. Abrasive blast clean to a minimum of Sa2 Swedish Standard SIS 05 5900 with a surface profile not exceeding 30 -35 microns. If blasting is not practical, make full use of mechanical tools alongwith 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. The surface should be clean and dry before application of the Primer.

**APPLICATION**

Mix the contents thoroughly before and during use.

**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>.

**TYPICAL PAINTING SPECIFICATIONS**

Surface	1st Coat	2nd Coat	3rd Coat	4th Coat
Steel	Bison Zinc Phosphate RSP Primer	Bison Zinc Phosphate RSP Primer	Luxol HG Synthetic Enamel/ Bison CR Enamel	Luxol HG Synthetic Enamel/ Bison CR Enamel
Steel	Bison Zinc Phosphate RSP Primer	Bison Zinc Phosphate RSP Primer	Superior Aluminium	Superior Aluminium

**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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