

# BERGER Protecton

## Bison Chemical Resisting Enamel

### Scope

A glossy top coat possessing good resistance to chemically polluted atmosphere. It is suitable for application on primed steel as well as plastered concrete surfaces.

### Uses

Recommended for use as top coat on tank exteriors, pipelines, cladding, gantries walkways, timber, general structural steel etc.

### Product Data

**Type:** Single pack

**Composition:** Modified alkyd medium suitably pigmented.

**Application:** Brush, roller, conventional or airless spray.

**Recommended DFT:** 20–25 microns per coat

**Theoretical Spreading Rate:** 12.0–15.0 Sq. Mtr./Ltr.

#### Drying Time:

TOUCH: 3–4 hours

HANDLE: 8 hours

HARD: Overnight

#### Overcoating Interval:

Min: Overnight

**Flash Point:** Above 30°C

**Colour:** As per Protecton colour card

**Packing:** 20 Ltrs. and 4 Ltrs.

**Thinner/Cleaner:** Thinner 800

**Finish:** Glossy

**Storage Life:** Up to 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 and spillage	Mild Fumes/ Outdoor Resistance
Acids	N/R	Fair
Alkalis	N/R	Fair
Solvents	N/R	Fair
Salt	Good	Good
Water	Good	Good

#### Temperature Resistance:

Continuous: 93°C

Intermittent: 120°C

**Weatherability:** Very Good

**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<sup>1/2</sup> Swedish Standard SIS 05 5900 with a surface profile not exceeding 65 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. Best results can be achieved if the manually cleaned surface is treated with Bison Metal Conditioning Solution.

The surface should be clean and dry before application of appropriate primer coat.

## Application

Mix the contents thoroughly before and during use.

**Brush/Roller :** Apply without thinning.

**Airless spray :** Add upto 10% Thinner 800. Use any standard equipment having pump ratio 30:1. Tip Size 0.28–0.38 mm. Tip Pressure 110–160 Kg/cm<sup>2</sup>.

## Typical Painting Specifications

Surface	1st coat	2nd coat	3rd coat	4th coat
Steel	ROZC or Bison Syn R/L or Bison HB Z/P or Luxol Z/C Primer	ROZC or Bison Syn R/L or Bison HB Z/P or Luxol Z/C Primer	Bison Chem. Rest. Enamel	Bison Chem. Rest. Enamel
—do—	—do—	Bison HB MIO	—do—	—do—
Concrete	Luxol Clear Varnish or thinned coat of Bison Chem. Rest. Enamel	Bison Chem. Rest. Enamel	—do—	—
Galvanised Iron and aluminium	Degrease and abrade the surface. Apply a coat of Bison Wash Primer followed by any of the above systems excluding the primer coats.			

## Notes

1. Allow **minimum 48 hours** before subjecting the painted surface to service conditions.
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.

**Health & Safety :** Please refer to the separate safety data sheet available with detailed information.

## Disclaimer :

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