



# BERGER **Protecton** PROTECTIVE COATINGS

## Bison High Build Black

### USES

Recommended for use on the underside of tank bottoms, concrete jetties and pilings, gas holders, coal bunkers and cooling towers, etc.

### SCOPE

A bituminous based coating suitable for application at high thickness. The product cures to a hard film having excellent water and chemical resistance.

### PRODUCT DATA

**Type :** Single Pack

**Composition :** Bituminous medium suitably pigmented

**Application :** Brush or Airless Spray

**Recommended DFT :** 75–100 microns per coat

**Corresponding WFT :** 144–192 microns per coat

**Theoretical Spreading Rate :** 5.2–6.9 Sq. Mtr./Ltr.

#### Drying Time :

|        |                                       |
|--------|---------------------------------------|
| TOUCH  | : 4–6 hours                           |
| HANDLE | : Overnight                           |
| HARD   | : 24–48 hours depending on conditions |

#### Overcoating Interval :

|     |            |
|-----|------------|
| MIN | : 24 hours |
|-----|------------|

**Flash Point :** Above 30° C

**Colour :** Black

**Packing :** 20 Ltrs.

**Thinner/Cleaner :** Thinner 843

**Finish :** Egg-shell Gloss

**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 AND SPILLAGE | MILD FUMES / OUTDOOR RESISTANCE |
|-----------|---------------------|---------------------------------|
| Acids     | Fair                | Fair                            |
| Alkalis   | Fair                | Fair                            |
| Solvents  | Poor                | Poor                            |
| Salt      | Excellent           | Excellent                       |
| Water     | Excellent           | Excellent                       |

#### Temperature Resistance :

|              |         |
|--------------|---------|
| Continuous   | : 80° C |
| Intermittent | : 93° C |

**Weatherability :** Chalks on exposure

**Flexibility :** Fair

**Abrasion Resistance :** Good

**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. For severe corrosive conditions, blast to Sa 3 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 clean surfaces. The surface should be clean and dry before application of appropriate primer coat.

**Concrete** : **NEW CONCRETE** : Ensure that the concrete is cured for minimum three months. The surface is to be made rough and free from laitance and other contaminants by sand sweeping. **OLD CONCRETE** : Remove all salt deposits from the surface by water jet washing. Light sand blast the surface to remove all loosely bound coatings and roughening up of firmly adhering coating to ensure anchorage with recommended system. Ensure all dust/other particles are fully removed by suction or air blast and the surface is fully cleaned and dry before application of paint. In non critical areas where blasting is not possible, water jet washing and hard wire brushing are minimum requisites.

**APPLICATION**

Mix the contents thoroughly before and during use.

**Brush** : Apply without thinning. However, add upto 5% Thinner 843 if absolutely essential.

**Airless Spray** : Add upto 5% Thinner 843 depending on conditions. Use any standard equipment having pump ratio 40 : 1. Tip size 0.48–0.58 mm. Tip pressure 140–165 Kg/cm<sup>2</sup>.

**TYPICAL PAINTING SPECIFICATIONS**

| Surface                       | 1st Coat   | 2nd Coat               | 3rd Coat               |
|-------------------------------|--|------------------------|------------------------|
| Steel                         | Zinc Anode 304 MZ                                  | Bison High Build Black | Bison High Build Black |
| -do-                          | Bison HB Zinc Phosphate Primer or Luxol Z/C Primer | Bison High Build Black | -do-                   |
| Concrete & Plastered Surfaces | Bison High Build Black (thin coat)                 | -do-                   | -do-                   |

**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. Adequate ventilation must be provided when applying Bison High Build Black particularly in confined spaces. Smoking or naked lights should not be permitted and flameproof equipment correctly earthed.
3. Brushes and spray equipment should be cleaned with Thinner 843 otherwise equipment is likely to be damaged.
4. The film should be allowed to cure for atleast 7 days for optimum performance.

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

**DISCLAIMER**

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**BERGER PAINTS INDIA LIMITED**