



BERGER Protecton PROTECTIVE COATINGS

Apexior No. 3

USES

Apart from boiler externals, the coating can be used in condensers, air coolers, cold water tanks, centrifugal pumps, piping, stoker wind boxes, ducting, etc.

SCOPE

A preservative coating for metal surfaces designed primarily as an external coating for boilers. The coating performs in contact with salt or fresh water at elevated temperature.

PRODUCT DATA

Type : Single Pack

Composition : Inert bitumen

Application : Brush or Airless Spray

Recommended DFT : 30–35 microns per coat

Corresponding WFT : 79–92 microns per coat

Theoretical Spreading Rate : 10.9–12.7 Sq. Mtr./Ltr.

Drying Time :

| | |
|--------|--------------|
| TOUCH | : 3–4 hours |
| HANDLE | : 8–10 hours |
| HARD | : Overnight |

Overcoating Interval :

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

Flash Point : Above 30° C

Colour : Black

Packing : 20 Ltrs. and 4 Ltrs.

Thinner/Cleaner : Thinner 800

Finish : Glossy

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 :

| EXPOSURE | SPLASH AND SPILLAGE | MILD FUMES / OUTDOOR RESISTANCE |
|----------|---------------------|---------------------------------|
| Acids | Fair | Fair |
| Alkalis | Fair | Fair |
| Solvent | N/R | N/R |
| Salt | Good | Good |
| Water | Excellent | Excellent |

Note : The product resists salt and fresh water immersion condition

Temperature Resistance : Upto 230° C dry heat and 50° C wet heat

Weatherability : Good in general industrial environment

Flexibility : Good

Abrasion Resistance : Moderate

SURFACE PREPARATION

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 Apexior No. 3.

APPLICATION

Stir the contents thoroughly before and during use.

Brush : Apply directly on the metal without thinning. Work well into the surface and ensure all corners, edges, welds, nuts/bolts are covered.

Airless Spray : Apply preferably without thinning. Add up to 5% Thinner 800 if absolutely essential, depending on conditions. Use any standard equipment having pump ratio 30 : 1.

Tip size 0.38–0.43 mm. Tip pressure 125–150 Kg/cm².

TYPICAL PAINTING SPECIFICATIONS

| Surface | 1st Coat | 2nd Coat | 3rd Coat |
|---------|------------------------------|---------------|---------------|
| Steel | Apexior No. 3 (thin coat) | Apexior No. 3 | Apexior No. 3 |

Notes :

1. Do not use the product for application in the interior of tanks.
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.
3. Adequate ventilation must be provided when applying Apexior No. 3, particularly in confined space. Smoking or naked lights should not be permitted and flameproof equipment should be earthed correctly.

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

DISCLAIMER

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