



BERGER Protecton PROTECTIVE COATINGS

BP Synthetic Enamel To IS : 2932

USES

Recommended for use on tank exterior, structurals, pipelines, cladding gantries etc

SCOPE

BP Synthetic Enamel is formulated to give a glossy durable coating meeting IS: 2932 specification. It is ideally suitable for application on primed steel structures in polluted atmosphere.

PRODUCT DATA

Type : Single Pack

Composition : Modified alkyd medium suitably pigmented

Application : Brush, Conventional or air less spray

Recommended DFT : 20 -25 microns per coat

Theoretical Spreading Rate : 12.0 - 15.0 Sq. Mtr./Ltr/coat

Drying Time :

TOUCH : 3-4 hours

HARD : Overnight

Overcoating Interval :

MIN: : Overnight

Flash Point : Above 30° C

Colour : Assorted shades / Snow white

Packing : 20 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 :

EXPOSURES	SPLASH & SPILLAGE	MILD FUMES / OUTDOOR RESISTANCE
Acids	N/R	Fair
Alkalis	N/R	Fair
Solvents	N/R	Fair
Salt	Good	Good
Water	Good	Good

* Not recommended for immersion.

Temperature Resistance :

Continuous : 80 ° C
Intermittent : 100 ° C

Weatherability: Good under milde industrial

and chemical exposure

Flexibility: Excellent

Abrasion Resistance: Moderate

DATA SHEET No. : 008/2

Issue Date : Dec 2007

SURFACE PREPARATION

STEEL: Remove grease, oil and other contaminants preferably by using Bison Degreasing Solvent. Blast clean to a minimum Sa 2 1/2 Swedish Standards SIS 05 5900 with a surface profile not exceeding 65 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. 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: Apply without any thinning.

Airless spray: Add upto 5% Thinner 800 if required. Use any standard equipment having pump ratio 30:1. Tip size 0.28.0.38 mm. tip pressure 110-160 kg / cm².

TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat	4th Coat
Steel	ROZC or Bison Syn R/Lor Bison HB Z/P Primer Or Luxol Z/C Primer	ROZC or Bison Syn R/Lor Bison HB Z/P Primeror Luxol Z/C Primer	BP Synthetic Enamel	BP SyntheticEnam
do	do	Bison HB MIO	do	do
Concrete	Luxol Clear Varnish or Thinned coat of BP Synthetic Enamel	BP Synthetic Enamel	do	
Galvanised iron and Aluminium	Degreasing and abrade the surface. Apply Bison Wash Primer followed by any of the above systems excludng the primer coats.			

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

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