

BERGER Protection PROTECTIVE COATINGS

Bergenthan PU Matt Finish

USES

Recommended for use in new construction and maintenance services as an effective top coat. This is suitable for use in refineries, petrochemical, fertilizer chemical, transportation industries, power plants etc.

SCOPE

A polyurethane coating provides a durable and finish for industrial environments. It has excellent colour and gloss retention properties. When fully cured it forms a extremely tough and abrasion resistant finish. It is compatible with epoxy and PU undercoats.

PRODUCT DATA

Type: Two Pack cured with Aliphatic Isocyanate

Composition: Polyester resin with urethane hardener
Slightly pigmented

Mixing Ratio: Resin: Catalyst: 10:1 by volume

Pot Life: 3-4 hours

Application: Brush, Roll, Spray

Recommended DFT: 30-50 microns per coat

Corresponding WFT: 60-100 microns per coat

Theoretical Spreading Rate: 10.0-16.0 Sq. Mtr./Ltr.

Drying Time:

TOUCH: Within 30 mins.
HANDLE: 6-8 hours
HARD: Overnight

Curing Time: 7 Days

Overcoating Interval:

MIN: Overnight
MAX: 5 days

Flash Point: Above 220°C

Colour: As per specification

Finish: Matt

Packaging: 11 Ltrs.

Technical Data: Tinner B25

Storage Life: Up to nine months as long as the
the containers are kept under cover in dry place
under normal temperature conditions.

RESISTANCE GUIDE

Chemical Resistance:

EXPOSURES	SPLASH & SPILLAGE	MILD / VIBES / OUTDOOR RESISTANCE
Acids	Good	Good
Alkalies	Good	Good
Solvents	Good	Very Good
SCM Salt	Good	Good
Water	Very Good	Very Good

Temperature Resistance:

Continuous: 90°C
Intermittent: 120°C

Weatherability: Very Good

Flexibility: Good

Abrasion Resistance: Very Good

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SANDIP M. General Manager

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 S 100595 or equivalent or sandblasting not exceeding 35-40 microns. If blasting is not practical, a light use of mechanical abrasives along with chipping and pickling is permitted. Excessive pickling is not recommended. Thoroughly dry down all surfaces. Best results can be achieved if the material is prepared with the Rotaplast Protective Self-Priming Surface Coating. The surface should be clean and dry before application of appropriate undercoats.

Concrete: NEW CONCRETE: Ensure that the concrete is cured for a minimum of 28 days. The surface is to be made rough and free from laitance and other contaminants by sand sweeping. OLD CONCRETE: Remove all surface deposits from the surface by water jet washing. Light and blast the surface to remove loose and scaling material. Thoroughly dry down all surfaces. Best results can be achieved if the material is prepared with the Rotaplast Protective Self-Priming Surface Coating. The surface should be clean and dry before application of appropriate undercoats.

APPLICATION

Stir the base thoroughly and then mix the paste and the catalyst by hand to a uniform consistency. Allow the mixture to mature for 30 minutes and then apply the product during application.

Brush/Appl: Apply preferably with the Rotaplast Conventional Spray. A maximum of 100% of the 825 and 825 depending on conditions. Use any standard equipment at an operating pressure of 3-6 kg/cm².

Airless Spray: Apply preferably with the Rotaplast Airless Spray. A maximum of 100% of the 825 and 825 depending on conditions. Use any standard equipment having a pump ratio of 40 to 1. Tip size 0.38-0.48 mm. Tip pressure 10-15 kg/cm².

RECOMMENDED PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat	4th Coat
Steel	Zinc Anode 8044Z Epilux 42RR Primer	Epilux 44HB MO Coating	Bergertthane PU Matt Finish	Bergertthane PU Matt Finish
-do-	Epilux 610 or Primer Epilux HBZP Primer	Epilux 610 Primer or Epilux HBZP Primer	-do-	-do-
Concrete & Plastered surfaces	Epilux 44HB MO Primer	Epilux 44HB MO	-do-	-do-

Notes:

- Use off the mix of paint within the stipulated life period.
- Do not apply when temperature falls below 10°C or rises above 35°C and when relative humidity is above 90%. Do not apply during rain or mist.
- Brushes and spray equipment should be used with 825 inner 825 otherwise equipment is likely to be damaged.
- Special care is to be taken to immediately dry the surface after the catalyst is applied as it is very susceptible to moisture.

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

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BERGER PAINTS IS IMMEDIATELY Berger House, 129 Park Street, Kolkata 700017

Phone: (033) 3 22299724 (lines) 12499754 (4 lines) Fax: 91-33-22299729/22499009 9009

Email: NORTH: bjl_1@vsnl.net SOUTH: bjl_2@vsnl.net

EAST: bjl_1@vsnl.net WEST: bjl_2@vsnl.net