



BERGER  **Protecton** PROTECTIVE COATINGS

Protectomastic RPL Coating

USES

Recommended for use in refineries and petrochemicals, external of pipelines in port installations etc.

SCOPE

A high build surface tolerant epoxy mastic coating designed for application over manually cleaned surfaces. An ideal maintenance coating compatible with firmly adhering aged coatings and most of the Epoxy and PU top coats. The product is suitable for application on steel substrates.

PRODUCT DATA

Type : Two Pack Epoxy with special hardener

Composition : Modified epoxy with special catalyst suitably pigmented

Mixing Ratio : Base: Catalyst :: 1 : 1 by volume

Pot Life: 90 minutes

Application: Brush and Airless Spray

Recommended DFT: 75 –125 microns per coat

Recommended WFT: 94 –156 microns per coat

Spreading Rate : 6.4 to 10.7 sq. mtr./Ltr.

Drying Time :

TOUCH	: within 1 hour
HANDLE	: Overnight
HARD	: 24 hours

Curing Time : 7 days min.

Overcoating Interval :

MIN	: Overnight
MAX	: depending on condition

Flash Point : Above 30° C

Colour : Greys

Finish : Smooth and semiglossy

Packing : 20 Ltrs.

Thinner/Cleaner : Thinner 844

Storage Life : Upto nine 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

Acids	Good
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Alkalis	Very Good
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Solvents	Good
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Salt	Good
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Water	Good
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Note:

Not recommended for immersion service

Temperature Resistance :

Continuous: 82 °C

Intermittent: 120°C

Flexibility : Excellent

Weatherability :

Excellent with suitable top coat

Abrasion Resistance : Excellent

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SURFACE PREPARATION

Steel: Remove grease, oil and other contaminants preferably by Solvent cleaning to SSPC SP 1. Make full use of mechanical tools alongwith manual chipping and wire brushing to remove loose rust and scale to SSPC SP2 or SP 3. Excessive burnishing of steel is to be avoided. Thoroughly dust down all surfaces. Performance and longevity will depend on the degree of surface cleaning achieved.

APPLICATION

Stir the base thoroughly and then mix base and catalyst in the recommended proportion to uniform consistency. Application of first coat should preferably be done by brushing for better wetting of the surface. For brushing, use a short bristle for working the material into all irregularities. However, brush marks will be visible. In order to achieve desired performance it is essential that the recommended film thickness is obtained. On sharp edges, bolt heads, flanges, etc., application of a stripe coat will assure freedom from skips or holidays. **Airless Spray:** Add maximum upto 10% Thinner 844. Use any standard equipment having pump ratio 45:1. Tip size 0.53-0.68 mm. Tip pressure 110-160 kg/cm²

TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat	4th Coat
Steel	Protectomastic RPL Coating	Epilux 155 HB MIO or Epilux 89 HB	Epilux 155 HB or Epilux 89 HB	Bergerthane or Luxathane (optional)
- do -	- do -	Epilux 155 HB MIO Coating	Bergerthane 41 SG Urethane	Bergerthane 41 SG Urethane

Notes :

1. Use off the mixed paint within the stipulated pot life period.
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. Brushes and spray equipment should be cleaned with Thinner 844 otherwise equipment is likely to be damaged.
4. Mix quantities which can be used off within the utilisation period.

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

DISCLAIMER

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