BERGER Protecton PROTECTIVE COATINGS

BR PU High Gloss Enamel

USES

An aliphatic acrylic polyurethane finish recommended for use over properly primed surface of cargo tankers, railway coach exterior, bus or coach bodies and industrial instalations where colour and gloss retention is of primary importance.

SCOPE

A high performance polyurethane top coat with outstanding gloss and outdoor durability. The product has a proven record of aesthetic retention ability in various environments including high humidity and salinity for prolonged periods.

PRODUCT DATA

Type : Two Pack, cured with Polyisocyanate

Composition : Aliphatic Acrylic resin with urethane hardener suitably pigmented

Volume Solids: 52 ± 2%

Mixing Ratio : Base : Catalyst – 4:1 by volume

Pot Life : 4 hrs @ 15°C; 2 hrs @ 25°C; 1 hr @35^{o}C

Application : Brush, Airless Spray

Recommended DFT : 50 - 60 µ per coat

Corresponding WFT : 96-115 µ per coat

Theoretical Spreading Rate : 8.7 to 10.4 m^2/ltr

Drying Time: @50% RH

Touch Dry	2 hours
Handle Dry	8 hours
Hard Dry	12 hours

Curing Time : 7 days

Overcoating Interval : 35^{o}C @50% RH

Min	12 hours
MAX:	7 days

Flash Point : Above 22º C (mixed paint)

Colour : Wide Range

Finish : Glossy

Packing : 20 Ltrs

Thinner/Cleaner : Thinner 825

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	MILD FUMES / OUTDOOR RESISTANCE
Acids	Good	Very Good
Alkalis	Very Good	Excellent
Solvent	Good	Good
Salt	Excellent	Excellent
Water	Very Good	Excellent

Temperature Resistance :

Continuous	: 90^{o}C
Intermittent	: 120^{o}C

Weatherability : Excellent

Abrasion Resistance : Very Good

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SURFACE PREPARATION

Remove grease, oil and other contaminants preferably by using Solvent Cleaning as per SSPC SP1. Abrasive Blast clean to a minimum SSPC SP10, with a surface profile of 50 - 75 microns.. For severe corrosive conditions, blast clean to SSPC SP5 Special care must be taken on weld areas to remove flux and spatter; welds should be ground back to avoid pockets. The cleaned surface should be dry and free of dust. The coating to be applied before the surface gets contaminated.
SSPC SP3 is recommended for repair jobs on galvanized surfaces and for zinc primed steel. Brush painting and stripe coat is recommended on all edges, angle, corners, pitted, welded areas.

APPLICATION

Stir the base thoroughly and then mix three parts of base and one part of catalyst by volume to uniform consistency. Brush : Apply without thinning. Conventional Spray: Normally no thinning is required. However, addition of Thinner 825 upto 5% is recommended for ease of application. Use any standard equipment at an atomising pressure of 3.2 - 4.2 Kg/cm2. Airless Spray: Apply without thinning. Use any standard equipment having pump ratio 45:1, Tip size 0.38 to 0.43mm. Tip pressure 145 - 190 Kg/cm2.

TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat	4th Coat
Steel	Zinc Anode 304 HZ Coating (or) Epilux ZR Primer	Epilux 155 HB MIO / Epilux 455 HB MIO	BR PU High Gloss Enamel	BR PU High Gloss Enamel
Steel	Epilux 610 Primer (or) Epilux 13 HB Primer	Epilux 610 Primer (or) Epilux 13 HB Primer	BR PU High Gloss Enamel	BR PU High Gloss Enamel
Steel	Protectomastic TIO CoatingXL	Epilux 155 HB MIO (or) Protectomastic TIO Undercoating	BR PU High Gloss Enamel	BR PU High Gloss Enamel

Notes :

1. Use off the mixed paint within the stipulated pot life period.
2. Do not apply when temperature falls below 10º C or rises above 50º C and when relative humidity rises above 85%. Do not apply during rain, fog or mist.
3. Always apply the paint when the substrate temperature is 3^{o}C higher than the dew point temperature.
4. Brushes and spray equipment should be cleaned with Thinner 825 otherwise equipment is likely to be damaged.

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

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