



BERGERTHANE 41 S/G PU FINISH

USES

Ideal for application on tankages (exterior), structural steel, equipment of any industry under highly corrosive environment. The product is suitable for application over suitable epoxy or zinc borne primer or intermediates.

SCOPE

A high performance urethane semi-glossy coating suitable for corrosion protection in chemical environments. The high build finish provides excellent durability and aesthetic retention for structurals exposed to marine, highly humid and chemical conditions.

PRODUCT DATA

Type: Two Pack, cured with Aliphatic Isocyanate.

Composition: Acrylic resin with urethane hardener suitably pigmented

Mixing Ratio : Base: Catalyst 10:1 by volume

Pot Life: 2-4 hours depending on conditions.

Application: Brush and spray. Airless spray suggested for uniform and high film build.

Recommended DFT: 75-125 microns per coat. .

Corresponding WFT: 108-179 microns per coat.

Theoretical Spreading Rate : 5.2 – 8.6 Sq. Mtr. / Ltr.

Drying Time :

Touch : Within 1 hour 30 minutes.

Handle : 12 – 14 hours

Hard : 24 Hours.

Curing: 7 days.

Over coating Interval : Min: 24 hours

Max: 5 days.

Flash Point : Above 22° C

Colour: Assorted shades.

Finish : Glossy

Packing : 11ltrs.

Thinner / Cleaner : Thinner 825

Storage Life : Up to 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	Good	Very Good
Alkalis	Very Good	Excellent
Solvents	Very Good	Excellent
Salt	Excellent	Excellent
Water	Very Good	Excellent.

Temperature Resistance:

Continuous : 120° C

Intermittent : 150° C

Weatherability: Excellent

Flexibility : Excellent

Abrasion Resistance : Excellent

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BERGER PAINTS INDIA LIMITED

Berger House 129 Park Street, Kolkata 700017 **Phone** (033) 2229 9724 (5 lines) / 2249 9754 (4 lines) **Fax:** 91-33-2249 9729 / 2249 9009
Email : NORTH : bpil_okh@mantraonline.com SOUTH : bpil_ch2@sify.com EAST : bpil_al1@vsnl.net WEST : bpil_vsh@vsnl.net

SURFACE PREPARATION

Steel : Remove grease, oil and other contaminants preferably by using Bison Degreasing Solvent. Blast clean to a minimum Sa 2 ½ Swedish Standard SIS 05 5900. For severe corrosive conditions, blast to Sa 3 with a surface profile not exceeding 35 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. The surface can be achieved if the manually cleaned surface is primed with Protectomastic Self Priming Surface Tolerant Coating. The surface should be clean and dry before application of appropriate primer coat.

APPLICATION

Stir the base thoroughly and then mix ten part of base and one part of catalyst by volume to uniform consistency. Allow the mixture to mature for 30 minutes and stir again before use and during application.

Brush : Apply preferably without thinning.

Conventional Spray : Add upto 10% Thinner 825 depending on conditions. Use standard equipment like De Vibiss 510 'E' Fluid TIP # 704, # 765 or #78 Air Cap.

Spray : Apply preferable without thinning. However upto 5% Thinner 825 may be added. If absolutely essential depending on conditions. Use any standard equipment having Tip size 0.33 – 0.43mm. Tip pressure 110-160 kg / cm²

TYPICAL PAINTING SPECIFICATIONS

Surface	1 st Coat	2 nd Coat	3 rd Coat	4 th Coat.
Steel	Zinc Anode 304 / Zinc Anode 11 <u>OR</u> Epilux 4 Z/R Primer	Epilux 4 HB MIO <u>OR</u> Epilux 155 HB MIO	B'thane 41 S/G Finish	B'thane 41 S/G Finish
- Do -	Epilux 610 Primer <u>OR</u> Epilux 13 Primer	Epilux 610 Primer <u>OR</u> Epilux 13 HB Primer'	- DO-	- DO-
- Do -	Protectomastic	Epilux 155 HB MIO	- DO-	- DO-
Galvanised Iron & Aluminium	Degrease and abrade the surface. Apply a coat of Bison Wash Primer followed by any of the above systems excluding the Primer Coats.			

Notes:

1. Used off the mixed paint very quickly within the stipulated pot life period.
2. Do not apply when temperature falls below 10^o C or rises above 50^o C and when relative humidity rises above 80%. Do not apply during rain, fog or mist.
3. Brushes and spray equipment should be cleaned with Thinner 825 otherwise equipment is likely to be damaged.
4. Special care is to be taken to immediately close the partly used catalyst container since the catalyst is very susceptible to atmospheric moisture.

HEALTH & SAFETY

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

DISCLAIMER

This information contained within this Data Sheet is based on information believed to be reliable at the time of its preparation. The Company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user of the data contained herein. It is the users' responsibility to conduct all necessary test to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.

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