BERGER

PROTECTIVE COATING

LUXATHANE 5075

High Build Polyurethane Finish

PRODUCT DESCRIPTION

A two-component, high build, aliphatic isocyanate cured acrylic polyurethane high gloss finish.

DESIGN FEATURES

A high performance finishing coat for structural steel in aggressive and corrosive environments such as onshore and offshore steel superstructures, pipelines, bridges etc.
Easy maintenance coating with long term recoatability properties.
Excellent colour and gloss retention and overall durability properties.
Excellent flow and levelling properties.
Resistant to spillage or splashes of mild chemicals.
Able to achieve a film build of 75µm in a single coat application.

PHYSICAL CHARACTERISTICS

Recommended Application Data	Wet [µm]	Dry [µm]	m^2/l
Theoretical Coverage	85	50	12

Volume solids	60% (based on ASTM D2697)
Dry Film Thickness Range	50 µm to 75 µm
Flash Point	29 °C
Finish	Full Gloss
Colour Range	Standard Range
Standard Packing Size	5 litres set (4.32 litres Base : 0.68 litres Hardener) & 20 litres
Mix Ratio (by volume)	6.4 Base : 1 Hardener

APPLICATION METHOD

AIRLESS SPRAY Recommended method of application	Tip Size : 0.43– 0.53 mm (17 -21 thou)	
	Pressure : 110 –160 kg/cm^2 (1600 – 2300 psi)	
CONVENTIONAL AIR SPRAY	May be used.	
BRUSH OR ROLLER	May be used. However, additional coats may be required to achieve the recommended film thickness. Suitable for stripe coating, weld-seams, edges, corners, rivets, etc.	

DRYING & CURING TIME

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Minimum	Maximum	
15 °C	3 hours	10 hours	10 hours	Indefinite	3 hours
25 °C	2 hours	6 hours	6 hours	Indefinite	2 hours
35 °C	1 hour	3 hours	3 hours	Indefinite	90 minutes

USEFUL INFORMATION

THINNER	:	SOLVALUX 7-25 (Maximum 5% addition)
CLEANER	:	SOLVALUX 7-77
STORAGE	:	Store in a cool dry shaded area.

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SURFACE PREPARATION

The service life span and the service performance of LUXATHANE 5075 is directly related to the degree of surface preparation.

STEEL

- For optimum performance, this product should be applied to a surface that has been blast cleaned and suitably primed and built (e.g. with EPILUX 610 and EPILUX 58HS).
- This coating is usually applied over a suitable primer and undercoat or build-coat. This underlying system should be sound and undamaged.
- Ensure that the surface to be over-coated is clean, dry, free from dust, grease and oil, or any other surface contaminants.
- Always ensure the maximum over-coating time for the primer or build-coat has not been exceeded prior to application.

ALUMINIUM, GALVANISED STEEL

- Degrease with SOLVALUX 7-45 and where practical abrade lightly to increase anchoring sites and improve adhesion. Pre-treat with one coat of LUXAPRIME 1501 followed by one coat of a suitable build coat e.g. EPILUX 218.

To avoid condensation of moisture onto substrate prior to coating application, relative humidity should not exceed 85% and substrate temperature should be more than 3 °C above Dew Point.

TYPICAL COATING SPECIFICATIONS

Substrate Surface	Priming	2nd Coat	3rd Coat	4th Coat
STEEL (Abrasive blasted - Sa 2½)	ZINCANODE 668	EPILUX 58HS	LUXATHANE 5075	LUXATHANE 5075
ALUMINIUM, GALVANISED STEEL (Abrade lightly)	LUXAPRIME 1501	EPILUX 218	LUXATHANE 5075	LUXATHANE 5075

NOTES

- The coating specifications given above are typical. For specific recommendations to suit individual applications, please refer to your Berger Paints representative.
- Condensation occurring during or immediately after application may result in a drop in gloss and inferior film properties.
- This product is not suitable in use in immersed conditions.
- Do not apply this product when the pot-life is exceeded, even if the paint still appears liquid.
- Premature exposure to ponding-water will cause colour change, especially with dark colours and at low temperatures.

SAFETY PRECAUTION

Avoid contact with eyes and skin. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use barrier cream.

Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe in vapour or spray mist.

This product is flammable. Keep away from sources of ignition. Do not smoke.

Take precautionary measures against static discharge.

In case of fire, blanket flames with foam, carbon dioxide or dry chemicals.

FIRST AID

Eyes : In the event of accidental splashes, flush eyes with warm water immediately and seek medical advice.

Skin : Wash skin thoroughly with soap and water or approved industrial cleaner. Do Not Use solvents or thinners.

Inhalation : Remove to fresh air, loosen collar and keep patient rested.

Ingestion : In case of accidental ingestion, DO NOT INDUCE VOMITING. Obtain immediate medical attention.

For further safety information, please refer to our **Material Safety Data Sheet (MSDS)**

DISCLAIMER