



# BERGER PRODUCT SPECIFICATIONS

## LUXATHANE 5000HB

Polyurethane Semi-Gloss Finish

### PRODUCT DESCRIPTION

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

### DESIGN FEATURES

A high performance finishing coat for structural steel in aggressive and corrosive environments. A finishing or maintenance coat for the exterior of chemical storage tanks, pipes, etc. Excellent colour and gloss retention and overall durability properties. Long term re-coatability properties. Resistant to spillage or splashes of mild chemicals. Suitable for use over a wide range of substrates e.g. steel, concrete, wood, gypsum etc.

### PHYSICAL CHARACTERISTICS

Recommended Application Data Theoretical Coverage	Wet [ $\mu\text{m}$ ]	Dry [ $\mu\text{m}$ ]	m <sup>2</sup> /l
		85	50
Volume solids	62% (based on ASTM D2697)		
Dry Film Thickness Range	50 $\mu\text{m}$ to 100 $\mu\text{m}$		
Flash Point	29 °C		
Finish	Semi-Gloss		
Colour Range	Limited range available		
Standard Packing Size	5 litres set ( 4.32 litres Base : 0.68 litres Hardener)		
Mix Ratio (by volume)	6.4 Base : 1 Hardener		

### APPLICATION METHOD

AIRLESS SPRAY	Tip Size	: 0.43–0.53 mm	( 17 -21 thou )
	Pressure	: 110 –160 kg/cm <sup>2</sup>	(1600 – 2300 psi)
CONVENTIONAL SPRAY	Possible application method. May require additional dilution to achieve good atomisation.		
BRUSH OR ROLLER	Possible application method. 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

Ambient Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Minimum	Maximum	
15 °C	3 hours	6 hours	6 hours	Indefinite	4 hours
25 °C	2 hours	4 hours	4 hours	Indefinite	2 hours
35 °C	1 hour	2 hours	2 hours	Indefinite	1 hour

### USEFUL INFORMATION

THINNER	: SOLVALUX 7-25 (Maximum 5% addition)
CLEANER	: SOLVALUX 7-77
STORAGE	Store in a cool dry shaded area.
SHELF LIFE AT 25 °C	: 12 months minimum when stored as prescribed in the MSDS.



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## SURFACE PREPARATION

The service life span and the service performance of LUXATHANE 5000HB 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, and 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 1500 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	2 <sup>nd</sup> Coat	3 <sup>rd</sup> Coat	4 <sup>th</sup> Coat
STEEL (Abrasive blasted - Sa 2½)	ZINCANODE 668	EPILUX 58HS	LUXATHANE 5000HB	LUXATHANE 5000HB
ALUMINIUM, GALVANISED STEEL (Abrate lightly)	LUXAPRIME 1500	EPILUX 218	LUXATHANE 5000HB	LUXATHANE 5000HB

## 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

*The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.*