

PRODUCT SPECIFICATIONS

Product Description

A two-component, high build, isocyanate free modified acrylic coating designed as an environment friendly substitute for conventional isocyanate cured acrylic polyurethanes.

Design Feature

- A high performance finishing coat for steel in a variety of environments including 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 75 µm in a single coat application.

Physical Characteristics

Recommended Application Data		Wet [µm]	Dry [µm]	m²/l
Theoretical Coverage		77	50	13.0

Volume Solids

:

65% (based on ASTM D2697)

Dry Film Thickness Range

:

50 µm to 75 µm

Flash Point

:

21 °C

Finish

:

Gloss & Matt

Colour Range

:

Standard Range

Standard Packing Size

:

5 litres set (4.38 litres Base : 0.62 litres Hardener)

Mix Ratio (by volume)

:

7 Base : 1 Hardener

Application Method

AIRLESS SPRAY

:

Tip Size

:

0.43- 0.53 mm (17 -21 thou)

Recommended method of application

:

Pressure

:

110 -160 kg/cm² (1600 - 2300 psi)

CONVENTIONAL AIR SPRAY

:

Can be used.

BRUSH OR ROLLER

:

Can 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
			Min.	Max.	
15 °C	6 hours	12 hours	24 hours	Indefinite	8 hours
25 °C	4 hours	9 hours	12 hours	Indefinite	5 hours
35 °C	2 hour	6 hours	8 hours	Indefinite	3 hours

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

:

24 months minimum when stored as prescribed in the MSDS.

Surface Preparation

The service life span and the service performance of LUXATHANE 5150HS are 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.

Suitable Undercoats

Epilux 610, Epilux 78, Epilux 171, Epilux 800, Epilux 218, Epilux 58, Epilux 58HS, Epilux 82, Zincode 685, Zincode 330, Luxaprime 1501, Luxaprime 1801, Epimastic 3000HS, Epimastic 3100, Epimastic 5100, Epimastic 7100

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)**

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.

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