

LUXATHANE 5000

Polyurethane High Gloss Finish

PRODUCT DESCRIPTION

A two component Acrylic Polyurethane giving a high performance finishes in new construction and maintenance industries.

- Excellent gloss and colour retention.
- Long term recoatable properties.
- Resistant to large number of chemicals and water.
- Can be applied to a wide range of substrates.

DESIGNED USE

- As a finishing coat for structural steel in aggressive corrosive environments.
- As a topcoat for the exterior of chemical storage tanks, pipelines.
- As a durable topcoat for topsides modules in the offshore industry.

PHYSICAL DATA

VOLUME SOLIDS (Based on ASTM D2697)	52 % $\pm$ 2 %
TYPICAL DRY FILM THICKNESS	50 microns
WET FILM THICKNESS	96 microns
THEORETICAL COVERAGE	10.4 m ² /litre @ 50 microns dft
COLOUR	As per shade card
FINISH	Glossy

APPLICATION DETAILS

METHOD OF APPLICATION:		This is the recommended method of application: Maximum 5% Thinner may be added. Tip Size: 0.28 - 0.38 mm (0.011 - 0.015 in) Pressure: 110 - 160 kg/cm ² (1600 - 2300 psi)
AIRLESS SPRAY		
CONVENTIONAL SPRAY		This is also a suitable method of application. Maximum 20% Thinner may be added Tip Size: 1.80 - 2.20 mm (0.071 - 0.087 in) Pressure: 2.75 - 3.45 kg/cm ² (40-50 psi)
BRUSH OR ROLLER		May be used for difficult shapes or touch-up. However, additional coats may be required to achieve the recommended film thickness.

NOTE: Luxathane 5000 is supplied in two separate containers. Contents must be thoroughly intermixed before use. Once mixed allow to stand for 5 – 10 minutes, this allows any aeration to settle. Unopened tins should be stored in a warm dry atmosphere away from moisture.

DRYING TIME:

Surface Temperature	Touch Dry	Hard Dry	Re coating Interval		Pot Life
			Minimum	Maximum	
15°C	60 mins	24 Hrs	24 Hrs	Indefinite	8 Hrs
25°C	45 mins	20 Hrs	16 Hrs	Indefinite	6 Hrs
35°C	30 mins	16 Hrs	10 Hrs	Indefinite	4 Hrs
45°C	20 mins	10 Hrs	8 Hrs	Indefinite	2 Hrs

NO. OF COMPONENTS	Two
Mixing Ratio	7 parts Base to 1 Part Hardener (by volume)
Application Conditions	Do not apply this product if the Relative Humidity exceeds 85% or if the substrate temperature is within 3°C of the dew point

ADDITIONAL INFORMATION

Thinner / Cleaning solvent	Solvalux 7-73
Storage Instruction	Store in a cool shaded dry area
Flash Point	Mixed 29°C
Packaging	5 liters & 20 liters
Shelf Life	12 months from the date of manufacture.

SURFACE PREPARATION

STEEL:

- For maximum performance, this product should be applied to a surface that has been blast cleaned and suitably primed with Epilux Primers.
- A build coat should be applied e.g., Epilux 155, Epilux 218, Epilux 58.
- This coating usually applied over a suitable primer undercoat or build coat. The underlying system should be sound and undamaged.
- All surfaces to be over coated must be dry and free from surface contaminants.
- All wax, oil and grease should be removed by solvent cleaning in accordance with guidelines given in SSPC – SPI.
- Soluble salts, dirt and dust must be removed prior to applying the coating. Dry brushing should be sufficient. A fresh water wash must followed to remove all soluble salts.
- Always ensure maximum over coating time for the primer/ build coat has not been exceeded prior to application.

ALUMINIUM, COPPER, ZINC SPRAYED STEEL, GALVAINISED METAL:

- Degrease with Berger Tool Cleaner and where practical abrade lightly to form key.
- Pre treat with one coat of Luxaprime 1500 followed by one coat of Epilux 610. Then apply Luxathane 5000 as specified.

NEW WOOD, PLYWOOD, CHIPBOARD, HARDBOARD, SHUTTERING ETC.:

- Sand paper smooth and dust down.
- Fill holes, cracks etc. with Solvent less epoxy filler. Then apply 2 – 3 coats of Luxathane 5000 as specified.

CONCRETE, PLASTER, BRICK, SIPOREX BLOCKS ETC.:

- Dust down, remove all splashes of plaster, concrete, cement etc.
- Fill holes, cracks etc. with Solventless epoxy filler.
- Apply 1 or 2 coats of Epilux Concrete Primer as priming coat.
- Then apply Luxathane 5000 as specified.

PRODUCT USE RESTRICTIONS

- This product is not suitable for use in immersed conditions.
- Do not apply this product if the pot life has been exceeded even if the paint still appears to liquid.
- Dry heat resistance up to 120° C.
- May also be applied between 25 and 50 microns dft.

SAFETY PRECAUTIONS

- Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves. Use a barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapor or spray.
- 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.
- Refer to MSDS for further information.

FIRST AID

- Eyes: In the event of accidental splashes, flush eyes with water immediately and obtain medical advice.
- Skin: Wash skin thoroughly with soap and water or approved industrial cleaner.
- DO NOT USE solvent 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.

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.