PROTECTIVE & MARINE COATINGS

Berger Luxathane 5000

PRODUCT DESCRIPTION

Berger Luxathane 5000 is a 2-component aliphatic polyurethane giving a high performance finish in new construction and maintenance industries.

- Long term recoatability properties.
- Dry heat resistance up to 120°c.
- Excellent colour and gloss retention.
- Resistant to a large number of chemicals and water.
- Excellent UV resistance.
- Can be applied to a wide range of substrates with excellent adhesion properties

DESIGNED USE

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

PHYSICAL DATA

VOLUME SOLIDS (based on ASTM D2697)	52% ± 2%
TYPICAL DRY FILM THICKNESS	50 microns
WET FILM THICKNESS	96 microns
THEORETICAL COVERAGE	9.3-10.4 m^2/litre (370-414 sq ft per 3.7L) @ 40 microns DFT
COLOUR	As per shade card or specified
FINISH	Gloss

APPLICATION DETAILS

METHOD OF APPLICATION :

AIRLESS SPRAY	This is the recommended method of application: Tip Size : 0.28 - 0.38mm (0.011 - 0.015 in) Pressure : 110 - 150kg/cm^2 (1600 - 2100 psi) (10% thinner may be added- 370 mls)
BRUSH OR ROLLER	May be used. However additional coats may be required to achieve the recommended film thickness (5% thinner may be added- 185 mls)
CONVENTIONAL SPRAY	This is an acceptable method of application. 10% thinner may be added- 370 mls. Tip Size: 1.80 mm - 2.20 mm (0.071 - 0.087 in) Pressure: 40 - 50 psi (2.75 - 3.45kg/cm^2)
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	Over-coating Interval		Pot Life
			Minimum	Maximum	
15°C	60 mins	18 Hrs	18 Hrs	Indefinite	8 Hrs
25°C	45 mins	8 Hrs	8 Hrs	Indefinite	5 Hrs
35°C	30 mins	5 Hrs	5 Hrs	Indefinite	3 Hrs

NO. OF COMPONENTS	Two
Mixing Ratio	7 parts Base (Pt A) to 1 part Hardener (Pt B) (by volume)
Application Conditions	Do not apply this product if the Relative Humidity exceeds 95% or if the substrate temperature is within 3°C of the dew point

ADDITIONAL INFORMATION

Thinner / Cleaning solvent	Solvalux 7 - 73 (Maximum 10% Addition in paint)
Storage Instruction	Store in a cool shaded dry area
Flash Point	Mixed 29°C
Packaging	1 Gallon (3.7L) and 5 Gallons (18.9L)
Shelf Life	12 months from the date of Manufacture

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SURFACE PREPARATION

STEEL

- For maximum performance, this product should be applied to a surface that has been blast cleaned and suitably primed with Berger Epimastic 5100.
- The underlying system should be free from defects and undamaged.
- The surface to be overcoated must be dry and free from surface contaminants.
- Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines given by SSPC-SP1.
- Soluble salts, dirt and dust must be removed prior to coating. Dry brushing should be sufficient. A freshwater wash must follow to remove all soluble salts.
- Always ensure the maximum overcoating time for the primer/build coat has not been exceeded prior to application

ALUMINIUM, COPPER, ZINC SPRAYED STEEL, GALVANISED METAL

- Degrease with Solvalux 7-73 and where practical, abrade lightly.
- Pretreat with one coat of Berger Etch Primer followed by one coat of Berger Epimastic 5100.
- Then apply Berger Luxathane 5000 as specified.

NEW WOOD, PLYWOOD, CHIPBOARD, HARDBOARD

- Sandpaper smooth and dust down.
- Fill holes/cracks, etc. with solventless epoxy filler, apply one coat Berger Sanding sealer.
- Apply 2-3 coats of Berger Luxathane 5000.

CONCRETE, PLASTER, BRICK, SIPOREX BLOCKS ETC.

- Dust down, remove all splashes of plaster, concrete, cement etc.
- Fill up holes, cracks with solventless epoxy filler.
- Berger Luxathane 5000 may be applied to clean, sound concrete provided the first coat is thinned.

PREVIOUSLY PAINTED

- Remove all rust and any loose flaking paint by abrasive blasting to expose clean surface.
- Treat as new substrate.

PRODUCT USE INSTRUCTIONS

- Not suitable for immersed conditions.
- Do not apply this product if the pot life has been exceeded even if the paint still appears to be liquid.
- Higher steel temperatures are acceptable provided dry spray is avoided by proper spray application and extra thinning required. In extreme cases it may be necessary to reduce film thickness in order to avoid sagging.
- The temperature of the mixed paint should be at least 15°c otherwise extra solvent may be required to obtain a proper application viscosity.

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 vapour 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.

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