

Technical Data Architecture Coatings

Luxathane 5160

Polyurethane Finish

Product Description

A two component acrylic polyurethane giving a high performance finish in new construction and maintenance industries.

- Long term recoatable properties
- Excellent gloss and colour retention
- Resistance to large number of chemicals and water
- Can be applied to a wide range of substrates
- High build application in a single coat
- Confirms to BS 5493-KF2A

Designed Use

- As a topcoat for the exterior of chemical storage tanks, pipelines.
- Suitable for application on structural steel, tanks and piping for onshore and offshore facilities
- Suitable as topcoat for upto C5 Environment as per ISO12944 Part 2

Physical Data

Volume Solids (Based on ASTM D2697)	: 63%+ 2%
Typical Dry Film Thickness	: 75 microns
Wet Film Thickness	: 125 microns
Theoretical Coverage	: 8.4 m ² /litre @ 75 microns DFT
VOC "As Supplied" (Based on ASTM D3960)	: 370 gms/ltr
Colour	: As per RAL/BS shade cards
Finish	: Gloss

Application Details

Airless Spray	: This is the recommended method of application: Maximum 5% Thinner may be added. Tip Size: 0.43 - 0.53 mm (0.017 - 0.021 in) Pressure: 110 - 150 kg/cm ² (1600 - 2100 psi)
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 5160 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	Overcoating Interval		Pot Life
				Minimum	Maximum	
	15°C	3 hours	24 hours	12 hours	Indefinite	6 hours
	25°C	2 hours	12 hours	6 hours	Indefinite	3 hours
	35°C	½ hour	6 hours	3 hours	Indefinite	2 hours
	45°C	20 minutes	4 hours	2 hours	Indefinite	1 hour
No. of Components		Two				
Mixing Ratio		10 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 27°C
Packaging	: 5 litres and 20 litres
Shelf Life	: 24 months from the date of manufacture of base 6 months from the date of manufacture of hardener

Surface Preparation

Steel:

For maximum performance, this product should be applied to a surface that has been blast cleaned and suitably primed (eg., with Epilux or Zincanode or Epimastic range of products).

- A build coat should be applied e.g., Epilux or Epimastic range of build/Intermediate coats.
- The underlying system should be sound and undamaged.
- All surfaces to be overcoated 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 follow 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, Galvanised Metal:

- Degrease with Tool Cleaner and where practical, abrade lightly to form key.
- Pre treat with one coat of Luxaprime 1500 followed by one coat of Epilux range of primers. Then apply Luxathane 5160 as specified.

New Wood, Plywood, Chipboard, Hardboard, Shuttering Etc.:

- Sand paper smooth and dust down.
- Fill holes, cracks etc. with Epilux 829.
- Prime with 1 or 2 coats of Epilux 610. Then apply Luxathane 5160 as specified.

Concrete, Plaster, Brick, Siporex Blocks Etc.:

- Dust down, remove all splashes of plaster, concrete, cement etc.
- Fill holes, cracks etc. with Epilux 829.
- Apply 1 or 2 coats of Epilux Concrete Primer thinned 20-25% as priming coat.
- Then apply Luxathane 5160 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 liquid.
- Dry heat resistance up to 1200C.
- May also be applied between 50 and 75 microns DFT.
- Contact Representative for suggesting suitable paint system.

Storage, Safety Information And Precautions

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.
- 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.

This Technical Data Sheet supersedes those previously issued with immediate effect