

# Technical Data Architecture Coatings

## Luxathane Polyurethane

### Product Description

A high performance two pack aliphatic isocyanate polyurethane coating, containing titanium dioxide and other high grade colour fast pigments to provide tough durable coating with excellent gloss and colour retention properties. It is suitable as a decorative and protective coating, particularly for the Luxatile system.

### Recommended Areas of Application

**Area of use** : Interior and Exterior  
**Substrate** : Concrete, Plaster, Masonry, Brickwork, Blockwork, Timber, Metal

### Technical Data

**Finish** : Hi-Gloss, can also be offered in semi gloss or low  
**Colours** : As required  
**Thinner/Cleaner** : Solvalux 7-73  
**Volume Solids** : 50 ± 2%

Theoretical Covering Capacity	Recommended Dry Film Thickness per coat		Theoretical Spread rate
	Minimum	40 microns	12.50 m <sup>2</sup> /Ltr
	Maximum	60 microns	8.33 m <sup>2</sup> /Ltr
	Typical	50 microns	10.00 m <sup>2</sup> /Ltr

**Practical Covering Capacity** : While estimating the practical spread rates, due allowance should be made for surface profile, uneven application, over spray, losses in containers and equipment. Particularly in case of application over textured surfaces, the practical spread rate would be less due to the profile of the texture.

Drying time	Substrate temp.	Touch dry	Overcoating Interval	
			Minimum	Maximum
	25 °c	6 hours	12 hours	Indefinite
	35 °c	4 hours	4 hours	
45 °c	2 hours	2 hours		

## Surface Preparation

The performance of this coating is directly related to the degree of surface preparation.

### **Concrete, Plaster, Masonry, Brickwork, Blockwork:**

- Ensure surface is clean, dry and free from all contaminants.
- Surface must be sound and free from laitance.
- Remove laitance by wire brush or sweep blast.

Apply one coat of AR Primer. Allow to dry, followed by Luxatile/Weathercoat Acrylic Spray. Allow to dry at least for 24 hours.

(or)

Apply one coat of Epilux Concrete Primer, followed by Luxatile Epoxy Spray Compound. Allow to dry overnight.

## Applications Details

- Ensure adequate ventilation during application and drying.
- Do not apply when humidity exceeds 95% and condensation is likely.
- Only apply coating when surface temperature is 3°C or more above dew point.
- Use 5% to 10% thinner for ease of application depending on the method of application.
- Stir base thoroughly and add hardener. Continue stirring until well mixed.

**Brush or Roller:** Apply an even coat taking care to avoid runs and sags.

**Conventional Spray:** This is the most recommended method of application. Spray at an atomizing pressure of 3.5 – 4.9 kg/cm<sup>2</sup> (50-70 psi)

**Airless Spray:** Tip size: 0.28 – 0.38 mm (0.011 – 0.015 in) Tip pressure: 130 – 160 kg/cm<sup>2</sup> (1800 – 2300 psi)

## Storage, Safety Information And Precautions

- Keep out of reach of children.
- Store in cool, dry conditions; ensure adequate ventilation during application.
- Avoid contact with skin and eyes; wear suitable protective clothing such as overalls, goggles, dust masks and gloves.
- Shelf life up to 24 month is from the date of manufacture of Base and 6 months from the date of manufacture of Hardener.

### **First-Aid**

- Eyes: In the event of accidental splashes, flush eyes immediately with warm water and obtain medical advice.
- Skin: Wash skin thoroughly with soap and water, or with an approved industrial cleaner. Do not use solvents.
- Inhalation: Move patient to fresh air, loosen collar and keep patient rested.
- Ingestion: Do not induce vomiting. Obtain immediate medical attention.
- Dispose in landfill only.

## Disclaimer

The information provided in this data sheet is not intended to be complete. It is the responsibility of the user to ensure that the product used is suitable for the purpose it is meant to serve. In view of various factors affecting the performance of the coating, we cannot assume responsibility for the product performance, nor do we accept any liability arising from use of this product, unless specifically agreed to in writing by us. The information provided in the data sheet may be modified by us without notice.

*This Technical Data Sheet supersedes those previously issued with immediate effect*