

**LUXATHANE 6050**

Polyurethane Finish, High Gloss

**PRODUCT  
DESCRIPTION**

A two component acrylic polyurethane providing top quality performance finish with

- Outstanding gloss and colour retention.
- High mechanical and chemical resistance.
- Long term recoatable properties.

**DESIGNED USE**

- As a finishing coat for structural steel such as the exterior of chemical storage tanks and pipelines and galvanized steel transmission tower
- Suitable as topcoat for upto C5 Environment as per ISO12944 Part 2

**PHYSICAL DATA**

<b>VOLUME SOLIDS</b> (Based on ASTM D2697) (may vary slightly depending on colour)	55% + 2%
<b>TYPICAL DRY FILM THICKNESS</b>	50 microns / 60 microns (Depending on Berger Paints System Recommendation)
<b>CORRESPONDING WET FILM THICKNESS</b>	90 microns / 110 microns
<b>THEORETICAL COVERAGE</b>	11.0 m <sup>2</sup> /ltr @ 50 microns dft / 9.16 @60 microns dft
<b>VOC "As Supplied"</b> (Based on ASTM D3960)	410 gms / ltr.
<b>COLOUR</b>	Regular and Customised colours available
<b>FINISH</b>	Full Gloss

**APPLICATION  
DETAILS****METHOD OF APPLICATION:****AIRLESS SPRAY**

This is the recommended method of application:  
Maximum 5% Thinner may be added.  
Tip Size: 0.48 - 0.58 mm (0.019 - 0.023 in)  
Pressure: 98 - 126 kg/cm<sup>2</sup> (1400 - 1800 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<sup>2</sup> (40 - 50 psi)

**BRUSH OR ROLLER**

This is also a suitable method of application.

**DRYING TIME:**

Surface Temperature	Touch Dry	Hard Dry	Re coating Interval		Pot Life
			Minimum	Maximum	
15°C	60 mins	4 Hrs	24 Hrs	Indefinite	8 Hrs
25°C	30 mins	2 Hrs	12 Hrs	Indefinite	6 Hrs
35°C	20 mins	1 Hr	8 Hrs	Indefinite	3 Hrs
45°C	10 mins	45 mins	6 Hrs	Indefinite	1½ Hrs

**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 above 23°C
Packaging	20 liters
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 eg EPILUX or, ZINCANODE or EPIMASTIC primers
- A build coat should be applied e.g., EPILUX 58 / 68.
- 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 or sweep sand blast followed by one coat of EPILUX 58/68
- Then apply LUXATHANE 6050 as specified.
- Consult Berger Paints for further information on surface preparation and other primers.

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

- Sand paper smooth and dust down.
- Fill holes, cracks etc. with EPILUX 829
- Primer with 1 or 2 coats of EPILUX 610. Then apply LUXATHANE 6050 as specified.

**CONCRETE, PLASTER, BRICK, SIPORES 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 6050 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.
- Contact Berger Representative for suggesting suitable paint system

**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.