

DATA SHEET

LIQUATHANE (MATTE)

WATER BASED 2 PART URETHANE



DESCRIPTION

Liquathane (Matte) is a proprietary water-based two-part clear urethane manufactured and formulated by All Purpose Coatings. It is durable, hardwearing, and has little to no odour during the application and curing process. Liquathane (Matte) is often used for commercial applications where solvent-based products cannot be applied due to restrictions or customer specifications.

PRODUCT INFORMATION

Pot Life	1-2 hours at 25°C.
Shelf Life	12 months. Store in a cool, dry area and out of direct sunlight
Mixing Ratio	(4:1) 4 Parts (Part A):1 Part (Part B)
Coverage	8-10m ² /L Depending on the method of application and porosity of the surface.
Return to Service	Dry Time: 4 hours after completion of the job or until touch dry, depending on the weather. Light Foot Traffic: 24 hours after the completion of the job. Sure Hardness: 48-72 hours after the completion of the job. Full Chemical Cure: 5-7 days after the completion of the job.
Recoat Time	4 hours

Liquathane (Matte) will NOT withstand hot tyre pickup.

ENVIRONMENTAL CONDITIONS


Temperature and the surrounding atmospheric conditions will play a part in the curing process.

If this occurs then the existing coating will need to be abraded to completely remove the affected surface to ensure the adhesion of subsequent application. In some cases, partial or complete re-priming may be necessary. Attention also needs to be paid to the substrate temperature which should be at least 10°C and preferably 5°C above the dew point during the curing phase. Ideal humidity is 50-70%.

Industry standards recommend the accurate recording of times and dates, batch numbers, consumption rates, and environmental conditions including the substrate and air temperatures, humidity levels, and dew point readings during both the application and curing process. Full material warranties cannot be provided unless all the relevant data has been recorded accurately.

SURFACE PREPARATION

- Ensure the concrete is sufficiently cured to the recommended minimum of 28 days from completion.
- Diamond grind or Polyvac the substrate. The surfaces must be clean, dry, and free from all traces of loose material, old coatings, curing compounds, release agents, laitance, oil, and grease, etc. This must be completed by diamond grinding or a suitable cleaning method.
- To check that all traces of oil and other contaminants have been completely removed, sprinkle a few drops of water over the surface. If all water is quickly absorbed, the surface is sufficiently oil and grease-free.
- If water forms into globules that remain on the surface, further thorough treatment of the substrate is necessary.
- Substrate compression strength should be at least 25MPa, cohesive bond strength at least 1.5MPa, and moisture content below 4%.
- Repair and fill cracks with EPO100EP Epoxy Putty or Concrete Repair Kit.

 Refer to individual SDS and Installation Instructions for system specifications and recommended PPE.

RECOMMENDED USES

- Grind and Seal of New and Existing Concrete
- Topical Coating
- Warehouses
- Commercial Spaces and Retail Stores
- Residential Properties
- External and Internal Spaces

FEATURES & BENEFITS

- Hard Wearing
- Roller or Spray Applied
- Non-Foaming
- Low Odour and Minimal Colour Change to Substrate
- Excellent Film Build
- Applicator Friendly
- Matte Finish
- Low VOC
- Excellent chemical and solvent resistance

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PRODUCT APPLICATION

Mix 4 Parts A with 1 Part B (4:1) by volume. Mix with a drill mixer at a slow speed for 2 minutes. Ensure the sides and bottom of the container/bucket are mixed. Tilt the drill to the side to ensure the product on top of the container/bucket is mixing in with the product on the bottom. Liquathane (Matte) can be applied by brush, roller, or low-pressure spray equipment.

For best results, Liquathane (Matte) should be applied in a minimum of 2 coats when rolled, if sprayed 3 coats is necessary.

OPTIONAL SLIP RESISTANCE

Glass: Broadcast 1 kg per 20m² between Liquathane (Matte) top-coats. Suited for wet or external areas, not suited for internal garages; cannot be mopped.

For system specific instructions, consult the All Purpose Coatings **Installation Instruction** documentation, located on the website.

CAUTIONS

- Do not apply the product too thick or allow it to pool as an excessive build-up may cause the coating to appear milky, even on curing.
- Do not apply when the temperature is below 10 centigrade, during the curing process.
- **The viscosity of the product increases with time, if multiple mixes or more product is required on a single coat, ensure the new mix is combined with a minimum of 2L of the old mix. Not combining the mixes could result in patchiness or an uneven finish.**
- Liquathane® will NOT withstand hot tyre pickup.
- Spills, including water should be cleaned up as soon as possible.

PHYSICAL PROPERTIES


Solids content	46%
Appearance & Colour	Translucent. White when mixed.
Flammability	Non-Flammable
Density	1.05g/ml
Viscosity	90 mPas
Chemical Resistance	Alcohol, petrol, acids, oil, grease and alkalis

In an emergency, contact the Poisons Information Centre on 13 11 26 or a doctor for advice.

IF THE SITUATION IS LIFE THREATENING, DIAL 000 IMMEDIATELY.

DISCLAIMER: Please ensure you read the SDS & TDS thoroughly & carefully before the use or application of any All Purpose Coatings product. These documents contain information in context to how you will apply the product, including if it is being used in conjunction with any other products or systems, and to what surface the product will be applied. All-Purpose Coatings Pty Ltd does not accept any liability either directly or indirectly for any losses that arise from the use or application of the product in accordance with any advice, specification & recommendation given by the companies' documentation or representatives at any point in time. Application, performance & safety data may change from time to time. It is the user and/or applicators' responsibility to ensure they have the latest copy of any documentation pertaining to their project.

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