

ALDRIDGE

Aldridge Corporation Pty. Ltd.

High Performance Membranes

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HPM-Sealtite PU

HPM-Sealtite PU is a high performance, hand-applied, low VOC, moisture-curing single-pack elastomeric polyurethane waterproofing membrane.

HPM-Sealtite PU is directly foot-trafficable and UV stable

FEATURES

USES

- Monolithic membrane – no lap, weld or seams
- Low VOC, complies with Green Star requirements
- Low smell
- High UV resistance
- Quick tack-free surface
- High resistance to puncture
- High resistance to fouling
- High resistance to stagnant water
- High elongation, class III membrane according to AS/NZ 4858
- No reinforcement required
- Excellent crack bridging capability
- Elastomeric behaviour: remains flexible at low temperatures
- Single-pack: no mixing, ready to use
- Available in grey

It is designed for waterproofing diverse parts of a building including balconies, terraces, podium decks, wet areas, roofs etc.

Good flow, perfect sagging resistance for vertical application.

HPM-Sealtite PU can be applied by brush or roller.

Self-levelling Grade

High flow and low thixotropy. Ideal for horizontal surfaces when a nice finish is required.

Easy application by brush or roller .

Compatibility of the primer with the membrane must be checked prior to application.

HPM-Sealtite PU can be applied with a brush or a roller to the desired thickness.

2 coats of 800 g/m² are required to achieve a dry film thickness of 1 mm.

HPM-Sealtite PU can be subject to light traffic after 24 hours.

HPM-Sealtite PU can be directly trafficable due to its high resistance to puncture and hardness. Vehicle traffic is not permitted on HPM-Sealtite PU without the application of a top coat.

HPM-Sealtite PU can be recoated with a top coat.

Check with your Aldridge Corporation Representative the compatibility before application.

Green Roof Grade

Root penetration resistant membrane, perfect for green roofs and planter boxes issues.

Physical Properties

Properties presented below are to be used as a guide and not intended for specification purposes.

Application

HPM-Sealtite PU is supplied in ready-to-use pails.

Preparation:

Surface must be clean, sound, smooth and dust-free as well as oil-free.

HPM-PU Primer should be applied to ensure the adhesion of the membrane on the substrate.

In the case of high porosity, Wet concrete (humidity >5%) or in any doubt, it is recommended to use an HPM-Hydrostop epoxy primer.

TECHNICAL DATA
ALDRIDGE CORPORATION

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Recoating instructions

In normal conditions, HPM-Sealtite PU can be recoated with another layer of HPM-Sealtite PU within 24 hours. In case of rain or if the recoating interval was exceeded, come back to the substrate by grinding.

Contact your Aldridge Corporation representative for any questions.

Diluting

HPM-Sealtite PU should only be diluted with Xylene. Other solvents are not permitted.

Coverage

2 coats of a minimum of 800 g/m² each are required to achieve a 1 mm dry film thickness

Clean-up

Reusable tools should be cleaned carefully with Xylene before curing.

Shelf life

Shelf life of sealed HPM-Sealtite PU in its original container is 9 months, pail upside down.

Always store closed containers in cool, ventilated and dry location, away from heat and oxidizing agents. Do not store in direct sunlight or in temperatures below 5 °C or above 35 °C.

Safety

Please refer to the Material Safety Data Sheet (MSDS) for personal protection, proper handling and storage.

Technical Data

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| Composition | Single-Pack moisture curing Polyurethane |
| Specific Gravity (g/cm ³) | 1.30-1.35 |
| Service Temperature (°C) | -20 to +80 |
| Curing time (hours) | Cured overnight |
| Shelf life (months) | 9 |
| Non volatiles (%) | 90 |
| VOC content (g/L) | 130 |
| Odour | Low smell |
| Tensile Strength (MPa) | 6 |
| Elongation (%) | 300% |
| Hardness (Shore A) | 70 |
| Angle Tear Strength (Kg/cm) | 20 |
| UV resistance | Excellent |
| Re-coating interval (days) | Maximum 2 days after application |
| Recommended substrate temperature (°C) | +5 to +35 |
| Recommended substrate moisture(%) | Up to 5 |
| Recommended relative humidity (%) | Between 20 and 90 |