TECHNICAL DATA SHEET

AUSTRALIAN MEMBRANE INDUSTRIES

AMI PU 100S/115V

DESCRIPTION

AMI PU 100S/115V are one component liquid polyurethanes which cure to form a tough and permanently flexible waterproofing membrane.

FEATURES/BENEFITS

- One component, ready to use.
- Labour saving. Can be applied in a single application.
- High permanent flexibility.
- Seamless, imperious membrane.
- Excellent chemical resistance.
- Excellent adhesion to a wide range of substrates.
- Early access for follow up trades.

TYPICAL APPLICATIONS

- Retaining Walls.
- Waterproofing external balconies, podium levels, wet area floors and walls prior to the application of a variety of surface toppings.
- Planter box interiors, general tanking and below grade waterproofing.

TYPICAL PROPERTIES

Appearance:	Grey coloured viscous liquid
Viscosity:	5,000 ± 2,000 cps/25˚C
Density:	1.3 ± 0.1 (g/cm3)
Solid Content:	95 ± 2
Hardness (Shore A):	60 ± 10
Elongation (%):	over 500
Tensile Strength (kgf/cm²):	over 35 (3.43Mpa)
Tear Strength (kgf/cm²):	over 20 (1.96Mpa)

CURING TIME: 6-8 hrs at 25˚C

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INSTALLATION INSTRUCTIONS

Surface Preparation:

Ensure surfaces are firmly fixed to manufacturer's directions. Surface must be free of dirt, dust, loose particles, oil, contaminates, curing compounds and flaking concrete, etc. Acid etch if necessary. Concrete must be a minimum strength of 20Mps and have cured a minimum of 28 days. Surface must be dry. Fill all screw holes, cracks and voids.

Priming:

Prime surfaces with AMI Epoxies applied at a rate of 5-6sm/lt, dependent upon surface porosity. Damp areas and areas subject to rising damp should be sealed with AMI Hydrostatic Epoxy. Allow primer to dry prior to membrane application.

Detailing:

Apply a 25mm fillet of PU Sealant between all horizontal and horizontal joints and to all horizontal to vertical junctions, and around pipe/column penetrations. Around rain water and floor waste outlets, apply membrane to 1.0mm dry film thickness and dress up to penetrations and down into waste outlets. Reinforce where necessary with fiberglass or polyester fabric. To joins in sheet flooring, tape and bandage over the mastic-filled joint. Cut out cracks in concrete to 6mm minimum width by 3mm minimum depth and fill with AMI PU 100/115 before application of the membrane.

Application:

To the prepared surface, apply AMI PU 100/115 by notched squeegee, brush, roller or trowel in one or more coats to achieve a minimum dry film thickness of 1.0mm. In the event that this coverage cannot be achieved in one coat a second coat must be applied within a maximum of 24 hours to achieve an intercoat bond. Turn membrane up at walls and penetrations and down into drainage outlets. When dry, check for pinholes or misses and rectify if necessary. If membrane becomes dirty between coats, clean with Xylene to ensure adhesion. Allow 24 hours to dry before covering.

COVERAGE

To achieve a minimum of 1.0mm film thickness – a 19kg drum of PU 100/115 will cover a typical area of 12-13 sm.

PRECAUTIONS

Do not apply above 42˚C or below 8˚C ambient temperature. Do not cover until fully dry. Protect membrane against damage before and during backfiling or covering. AMI PU 100S/115V should always be protected from UV exposure by covering with tiles, sand-cement topping or soil etc. Protect membrane against the action of roots.

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WARNINGS AND HAZARDS

Keep away from heat and flame. Use only with adequate ventilation. Avoid contact with the eyes or skin, especially open breaks in the skin. In the event of skin contact, remove excess product and wash with warm soapy water. Refer to MSDS for important warnings and product information.

HANDLING AND STORAGE

AMI PU 100S/115V can be stored for 6 months at below 25˚C. Avoid prolonged exposure to humidity or temperature above 50˚C. Avoid contamination with water or alcohols. This product is very sensitive to air and moisture. Once opened, containers should NOT be resealed for future use.

PACKAGING

AMI PU 100S/115V is supplied in 15 litre metal cans (19kg).

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