GRIPSET® P39

WATER BASED POLYURETHANE MEMBRANE

TDS

TECHNICAL DATA SHEET

Description

GRIPSET P39 is a highly versatile, fibre enhanced membrane developed using advanced hybrid polyurethane technology. The unique formulation provides outstanding waterproof and low vapour transmission properties, as well as key performance features including the unique ability withstand early water ponding and permanently wet conditions without re-emulsification.

Compliant to AS 4858 and AS4654.1 for internal and external wet areas, P39 can be used as an under tile membrane supporting overlaid tile and decorative finishes, or as exposed, light trafficable membrane system to protect exterior substrates against UV degradation and harsh climatic conditions

Features & Benefits

- Solvent free, non-hazardous
- Highly flexible and elastomeric
- Low vapour transmission properties and low water absorption
- Excellent adhesion properties
- Outstanding weather and UV resistant properties
- Excellent early ponding water resistance
- Once cured will not re-emulsify, handles permanently wet conditions
- Resistant to fungi and algae
- Low dirt retention
- Light foot trafficable
- Compliant to AS 4858: and AS4654.1 for internal and external wet areas

Application

- Gripset P39 is suitable for commercial, industrial and residential applications

Uses

- Roofs as an exposed membrane finish
- Parapets
- External surfaces exposed to constant weather
- Roofs to be covered over with screeds and toppings
- Internal wet areas, bathrooms, laundries and tiled areas
- Balconies, decks, podiums, terrace floors
- General tiled areas to prevent moisture ingress

Substrates

- Concrete, render and masonry
- Fibre cement sheeting and plasterboard
- Wet area timber sheeting and external grade plywood
- Aerated concrete panels and blocks

For further information and advice on surface/substrate suitability and preparation contact RLA Technical department

Surface Preparation

- All surfaces are to be clean, sound, smooth, dry, and free from loose material, dirt, dust, oil, grease, wax residues, laitance, curing compounds, release agents, existing coatings, moss, algae, sharp protruding objects and general surface contaminants that may compromise the adhesion of the overlaid membrane system
- Structurally unsound layers and surface contaminants to be mechanically removed by grinding, abrasive blasting or equivalent methods.
- Masonry surfaces to be pointed flush, and all surface defects including voids, holes, pitted sections, heavy undulations and non-structural cracks to be filled and levelled. Refer to Gripset 11Y enhanced repair mortar or the RLA range of repair mortars and levelling compounds for options
- Building surfaces must be fit for purpose, constructed and installed to manufacturer's recommendations and relevant building standards in force at time of application
- Concrete to be allowed to cure for at least 28 days, and cement render/sand cement screeds allowed to cure for at least 7 days

Priming

Gripset P39 membrane must be applied onto primed surfaces.

POROUS/ABSORBENT SURFACES

GRIPSET GP PRIMER.

Apply by brush or medium nap roller at a minimum coverage of 1litre/8-10m²

NON POROUS/NON ABSORBENT SURFACES

GRIPSET OP PRIMER.

Apply by brush or medium nap roller at a minimum coverage of 1 litre per 12m²

GREEN/DAMP SURFACES WITH RESIDUAL MOISTURE

XPRESS PRIMER H2O PLUS

Apply by brush or medium nap roller at a minimum coverage of 1 litre per 8m²

DAMP SURFACES/SURFACES SUBJECT TO RISING DAMP

GRIPSET E60

For applications over mineral surfaces with residual moisture >80%RH when tested to ASTM F2170 or 5% moisture content when tested to ASTM F2659
For applications over mineral surfaces subject to rising damp
Apply 1-2 coats by brush or medium nap roller at a minimum coverage of 1 litre per 3m² per coat

Installation

Apply primer to surfaces to the extent of the waterproofing application, in line with relevant standards and project specifications
Refer to individual primer data sheets for specific application details

Detailing & Bond breaker Systems

All critical areas of the waterproofing application including joints, junctions, movement zones, penetrations, drainage points and cracks are to be correctly sealed and detailed prior to membrane application.

Refer to the following table and individual product TDS for specific installation details

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Detailing & Bond breaker Systems

Bond breaker & joint transitions (AS 3740 & AS 4654.1)	**Option A** ELASTOPROOF B50 JOINT BAND
	Option B BRW PF TAPE
	Option C RLA MAX SMP 25*
Pipes and penetrations	**Option A** ELASTOPROOF COLLARS
	Option B BRW PF TAPE
	Option C RLA MAX SMP 25*
Leak control flanges and general fixtures/waterstops	**Option A** RLA MAX SMP 25*
	Option B BRW PF TAPE/BUTYL SQUARES
Static cracks ≥1mm up to 6mm/ screw/nail holes	RLA MAX SMP 25*

Bond breaker – Option A

- Measure and cut ELASTOPROOF B50 JOINT BAND bond breaker tape for joints/junctions to be sealed.
- Apply first coat of Gripset P39 membrane by brush or roller in a 150mm wide strip applied centrally over the joint
- Install Joint Band into the wet coat, and using a brush, press down firmly over the face of the B50 Joint Band ensuring all creases or air pockets behind fabric edges are pushed out
- Apply a second coat of P39 membrane to fully encapsulate the Joint Band and affix to the surface
- PREFABRICATED CORNERS are available for both internal (90°) and external (270°) junctions

Bond breaker – Option B

- Unroll BRW PF TAPE and measure the required lengths for joints to be sealed. Cut the tape using scissors or knife
- Gradually remove release paper and position the tape in place, placing centrally over the joint
- Press into place with a spatula, roller, or cloth, ensuring air pockets and creases are pushed out

Bond breaker – Option C

- Install a bond breaker fillet using RLA MAX SMP 25* sealant to floor/wall junctions & horizontal/vertical joint transitions where the membrane will be bonded to the substrate and tool off smooth

Pipes and penetrations

- For floor pipes/penetrations protruding floors and walls, ELASTOPROOF COLLARS are to be fitted over the neck of the pipe and fixed into wet coat of 38FC Membrane
- Where Elastoproof Collars are not used, create flanges using lengths of the BRW PF TAPE. Cut a circular aperture into the centre of a length and slide over the penetration to seal and adhere to the substrate
- Alternatively, seal around base of penetration with a liberal bead of MAX SMP 25* and tool smooth

Leak control flanges, fixtures & waterstops

- Seal the base perimeter of the fixture/flange to the substrate with RLA MAX SMP 25* sealant and tool smooth
- Alternatively, seal areas with BUTYL SQUARES or lengths of BRW PF TAPE

Static cracks ≥1mm up to 6mm / screw/nail holes

- Clean and remove all loose material from inside the crack/screw hole
- Fill flush with surrounding surface using RLA MAX SMP 25 sealant and overlay with strips of RLA Waterproofing Bandage, Elastoproof B50 Joint Band or BRW PF Tape

*RLA WATERPROOF BANDAGE can be considered for use in conjunction with RLA MAX SMP Sealant for additional reinforcement

Application & Coverage

- Gripset P39 is to be installed in line with current edition, relevant volume and sections of the NCC (National Construction Code of Australia) pertaining to internal, external and general waterproofing applications within the scope of use for the product

	Wet Film	Dry Film	Total film	Total coverage per 15itre pail
1st Coat	750microns	500microns	500microns	10m²
2nd Coat	750microns	500microns	1.0mm	
3rd Coat	500microns	300microns	1.3mm	7.5 m²

- Product is to be applied by brush or medium nap roller
- **Under tile applications:** Apply a minimum of 2 coats at a total minimum coverage of 1.5 litres/m² to form a 1mm dried film thickness
- **Exposed, trafficable membrane:** Apply 3 x coats at a total minimum coverage of 2litres/m² to form a minimum 1.3mm dried film thickness
- Apply subsequent coats at different directions to the previous coat.
- A wet film gauge should be used to regulate correct coverage of each coat.

Note: Coverage is dependent upon surface condition and will vary accordingly as uneven and porous surfaces will require greater coverage to achieve the specified film thickness.

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Tiling

- When tiling directly over Gripset P39 in internal or external floor areas, polymer modified cement based adhesives must be used. Refer to Gripset C-LITE, C-MASTIC and C-RUBBER TDS for details
- For use of other adhesives over Gripset P39 contact the technical department of RLA Polymers for detail of compatibility
- If applying a screed, render or concrete topping over Gripset P39, GRIPSET 11Y to be incorporated as a proprietary bonding agent and water resistant additive into the mix. Alternatively see GRIPSET C-BED engineered screed.
- All tiling is to be carried out to AS3958 - Installation of ceramic and stone tiles

Other Finishes

- Gripset P39 may be painted over with water based paints and texture finishes. Contact paint/texture manufacturer to confirm
- For vinyl, resilient finishes or other overlays, contact RLA Technical Department for details

Drying times

Re-coat: 2-4 hours
Tiling / Toppings: 24-48 hours
Full Cure / Flood test: 72 hours

Drying times based on normal ambient temperatures of 23ºC and 50% RH
*Temperature, humidity and porosity hours will vary dry times

Clean up

- In water while membrane is in a wet state
- Dried product will need to be removed mechanically

Shelf life and Storage

- 12 months when stored in original unopened packaging
- Avoid freezing conditions and off of cold floors
- Best stored at room temperature
- Do not store in direct sunlight

Container sizes

- 15Litre pails

Precautions

- Do not apply to areas when rain is imminent
- Do not apply when surface temperature is below 5°C or above 30°C
- Not to be used in areas subject to negative hydrostatic pressure
- All finish coatings over this membrane must be solvent free
- For further information about this product contact RLA Technical Department

Health & Safety

For information and advice on the safe handling, first aid, storage and disposal of chemical products, users must refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data

Technical Data

Form	Viscous Liquid
Colour	Wet/dry film: Light grey
Specific Gravity	1.3kg/litre
Elongation Classification (AS1145.3)	>300% Class III
Tensile Strength (AS1145.3)	>3MPa
Water Absorption (AS 3558.1)	4%
Water Vapour Transmission (ASTM E96 Desiccant method)	1.6g/m^2 /24 hours
Compliance to AS4858	**PASS**
Compliance to AS 4654.1	**PASS**

RLA POLYMERS

GRIPSET® SEALED FOR GOOD

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Warranty Statement:

RLA Polymers guarantees this product against manufacturing defects and guarantees it to be manufactured to our published specification.
We certify that this product is suitable for use when fully cured and will perform as described in our technical data sheet or other published materials.
RLA Polymers will replace the product free of charge when purchased from any legally verifiable source and where the product is proven to have been stored, handled, and install according to instructions published on our packaging and within the stated shelf life. The Installation of all materials must be carried out in accordance with relevant Australian Standards.
Warranty doesn't apply if damage, loss, failure to follow instructions, or other circumstances are out of our control.
Sufficient time and access to investigate any complaint must be accorded to RLA Polymers.
The consumer is responsible for any expenses incurred in making a claim.

Australian Consumer Law:

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality, and the failure does not amount to a major failure. The benefits under our warranty are in addition to other rights and remedies available to the consumer under the law in relation to the goods and services to which the warranty relates.

Disclaimer:

All statements and technical information contained herein are based on tests we believe to be reliable, but the accuracy thereof is not guaranteed.
Users assume all risk and liability resulting from the use of the product and must confirm the suitability thereof by their own tests. Conditions of Sale contain a limited warranty against manufacturing defects.

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