

### Description

GRIPSET 2P is a versatile, two component cementitious membrane designed for a broad range of waterproofing applications including under tile, immersed and subterranean areas.

Gripset 2P offers outstanding durability and toughness, while maintaining flexible and high adhesion properties. With fast drying capabilities, Gripset 2P is ideal for application in cooler and humid conditions.

### Features & Benefits

- Class II Membrane
- Water based, free of solvents, non-toxic and non-flammable
- Waterproof, withstanding continuously wet and immersed environments
- Excellent adhesion
- Fast curing, suitable for application in cool and humid conditions
- Flexible, accommodating normal substrate movement
- Compatible surface for the overlay of renders, screeds, & tile adhesives
- Durable and tough
- Non sagging over vertical surfaces
- Compliant to AS4858 and AS4654.1 for use in internal and external wet areas
- Certified to AS/NZ 4020 – 2018 for potable water storage applications.

### Application

- Gripset 2P is suitable for commercial, industrial and residential applications

### Uses

- Internal wet areas, bathrooms, laundries and tiled areas
- External wet areas, balconies, decks, podiums and terrace floors
- Feature walls
- Water features, swimming pools
- Potable water storage facilities, retention and water tanks
- Planter boxes and earth shelters
- Retaining walls
- General tiled areas to prevent moisture ingress

### Substrates

- Concrete, render and masonry
- Fibre cement sheeting and plasterboard
- 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 2P 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/8-10m<sup>2</sup>

#### **NON POROUS/NON ABSORBENT SURFACES**

##### **GRIPSET OP PRIMER.**

Apply by brush or medium nap roller at a minimum coverage of 1 litre/10m<sup>2</sup>

#### **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 8m<sup>2</sup>

#### **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 3m<sup>2</sup> 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 the membrane application.

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

### Detailing & Bond breaker Systems

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

**\*\*Not suitable for immersed applications**

### 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 2P 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 2P 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

### 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 2P 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 $\geq 1\text{mm}$ 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

#### Mixing

- Gripset 2P consists of a 10litre liquid component and 15kg dry powder component. The membrane is formed by mixing components together
- The yield from mixing 1 x kit of 2P is 20litres
- To mix smaller quantities, measure on parts by volume mix 1:1 liquid to dry powder
- When mixing, slowly add the dry powder component to the liquid
- Slowly add the dry powder component to the mixing liquid and mix using an electric stirrer with paddle attachment at slow/medium speed
- Ensure the mixing of components is continuous while the powder is added
- Mix the dry component until it is evenly dispersed into the liquid and a lump free, homogenous consistency is achieved
- Allow the mix to settle for 3-5 minutes then re-stir before use

#### Important:

Always add the powder to the liquid to avoid lumps & incomplete mixing

#### DO NOT MIX BY HAND

### Application & Coverage

- Gripset 2P 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
- Gripset 2P can be applied by brush, roller (medium-high nap) or spray unit
- Apply 2 x coats at a total minimum coverage of 1.5litres/m<sup>2</sup> to form a 1.2mm dried film thickness
- Apply subsequent coats at different directions to the previous coat
- A wet film gauge should be used to regulate adequate coverage of each coat.

	Wet Film	Dry Film	Total film	Total coverage per 20litre kit
1 <sup>st</sup> Coat	750microns	600microns	600microns	13m <sup>2</sup>
2 <sup>nd</sup> Coat	750microns	600microns	1.2mm	

**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

### Tiling

- When tiling directly over Gripset 2P, polymer modified cement based adhesives must be used. Refer to Gripset [C-LITE](#), [C-MASTIC](#), [C-RUBBER](#) and [C-STONE](#) TDS for details
- For use of other adhesives over Gripset 2P contact the technical department of RLA Polymers for detail of compatibility
- If applying a screed, render or concrete topping over Gripset 2P, [GRIPSET 11Y](#) to be incorporated as a proprietary bonding agent and water resistant additive into the mix. Alternatively see [GRIPSET C-BED](#) engineered screed

### Drying times

Pot life:	1 hour
Re-coat:	2-4 hours
Tiling/ toppings:	24 hours
Flood test	72 hours
Immersion	7 days

#### Important :

Drying times are based on ambient temperatures @ 23°C and 50% RH.  
Drying times may vary subject to ambient/surface temperatures, humidity and substrate porosity  
Drying/curing times will be extended in cooler conditions and periods of high relative humidity

### 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

### Packaging

20litre kit

**Part A liquid** - 10litres in a 20L pail

**Part B Powder** - 15kg bags

### Precautions

- Not to be used as a trafficable surface
- Do not apply to areas when rain is imminent
- Do not apply when surface or ambient temperatures are 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 water based and 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

Appearance	Liquid – White Powder – Light grey Dry film – Light grey
Form	Part A: Viscous liquid Part B: Dry powder
Mix ratio	1:1 powder/liquid (volume)
Total yield	20litres
Specific Gravity	1.3kg/dm <sup>3</sup>
Elongation (AS1145.3)	>200% (Class II)
Tensile Strength (AS1145.3)	>1MPa
Water Vapour Transmission (ASTM E96 Desiccant method)	3g/m <sup>2</sup> /24 hours
Water Absorption (AS 3558.1)	2%
Compliance to AS4858	PASS
Compliance to AS 4654.1	PASS



**Address :** [215 Colchester Road Kilsyth Victoria 3137](#)

**Phone:** +61 (8) 8124-7300 or 1800 650 435

**Email:** [technicalsupport@rlapolymers.com.au](mailto:technicalsupport@rlapolymers.com.au)

**Website:** [www.gripset.com](http://www.gripset.com)

### **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.

### **GRIPSET 2P TDS**

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**Author:** AR