



## Liquid rubber membrane

### Description

Gripset 38 is a single part liquid rubber membrane designed for waterproofing wet areas, showers, laundries, roofs, terraces, balconies, decks, concrete slabs and general structures that will be covered over with toppings, tile beds or overlay finishes. Compliant to AS/NZS 4858:2004, Gripset 38 holds CSIRO Technical Assessment No. 349, satisfying the requirements of AS3740 "Waterproofing Wet Areas in Residential Buildings".

Developed by advanced polymer technology Gripset 38 is flexible and elastomeric, displaying outstanding waterproofing features with low water vapour transmission properties and the ability to withstand permanently wet conditions without re-emulsification of the cured membrane. Another key feature of the Gripset 38 membrane when cured is the compatible bonding surface for a variety of toppings, renders, tiles and screeds to adhere without concerns of incompatibility or de-bonding.



### Features & benefits

- Water based, free of solvents, non toxic and non flammable
- Waterproof with ability to withstand continuously wet environments and ponding
- Flexible & Elastomeric, accommodating normal building substrate movement
- Compatible with tile finishes, concrete, render and masonry surface toppings
- Durable and tough seamless finish
- Excellent vapour barrier with low water vapour transmission properties
- Can be applied by brush, roller, or spray unit on horizontal and vertical surfaces
- Low odour and free of dangerous fumes in warm and/or confined areas.

### Application

Gripset 38 is suitable for commercial, industrial and residential applications.

### Waterproofing uses

- Internal wet areas, bathrooms, laundries and tiled areas
- Balconies, decks, podiums, terrace floors
- Roofs to be covered over with screeds and toppings
- Sandwiching between existing and new concrete substrates
- Liquid vapour barrier between toppings and slabs
- General tiled areas to prevent moisture ingress

### Substrates

Substrates suitable for bonding Gripset 38 over include:

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

For further information on suitable surfaces and substrates contact technical department of Gripset Industries for correct advice on surface preparation and suitability.

### Surface preparation

Surfaces must be prepared thoroughly before commencing application. All substrates must be structurally sound, stable, dry, and clean, with substrate compressive strength a minimum 25MPa and cohesive strength a minimum 1.5MPa. Rough surfaces are to be evened or filled first (refer to Gripset 11Y). Building surfaces must be constructed to manufacturer's recommendations and relevant building standards in force at time of membrane application. All surfaces are to be free of sharp protruding surfaces, loose material, de-bonded coatings, curing membranes/agents, release agents, wax residues, foreign particles, laitance, algae and moss, grime, oils, animal fats or grease remains.

Structurally unsound layers and surface contaminants are to be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods. For thorough surface preparation, refer to Gripset SC (algae and moss remover) and Gripset DG (water based oil degreaser) products.

### Priming

Gripset membranes must be applied onto primed surfaces:

- Gripset GP primer – for general vertical and horizontal building surfaces. Brush or roller apply primer to total surface area at a minimum coverage of 1 litre per 5m<sup>2</sup> and allow drying for 30 minutes or once wet film dries to a clear transparent coating.
- Gripset P10 primer – for surfaces with residual or rising damp (refer to product data). Apply by brush or roller in 2 coats at a minimum coverage of 1 litre per 3m<sup>2</sup>; ensuring subsequent coat is applied in opposite direction to the first coat. Allow to dry for a minimum 6 hours before applying membrane. Primer must be tack free before applying membrane.

**Note:** Refer to data sheets for above primers before using



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### Detailing

All critical areas such as joints, junctions, movement zones, penetrations and drainage points are to be correctly sealed and detailed prior to membrane application.

<b>Voids, gaps and undulating surfaces:</b>	Filled and evened with Gripset 11Y repair mortar compound.
<b>Cracks up to 1mm:</b>	Filled with Gripset SB flexible sealant
<b>Cracks &gt;1mm:</b>	Filled Gripset SB flexible sealant, followed by Elastoproof Joint Band.
<b>Bond Breaker:</b>	Elastoproof Joint Band to wall/floor junctions and wall/wall junctions.
<b>Movement or Expansion Joints:</b>	Elastoproof Joint Band
<b>Penetrations, Pipes, Drain outlets:</b>	Elastoproof Collars to be used

### Membrane application

#### General

The application of Gripset 38 must comply with AS3740. Product is to be applied in a minimum of 2 coats at a total minimum coverage of 1.5 litres/m<sup>2</sup>; forming a minimum dried film thickness of approximately 1.2mm. Apply subsequent coats at different directions to the previous coat. 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. Product can be applied by roller or brush.

#### Installing Elastoproof Bond breaker Joint Band

Measure and cut Elastoproof Joint Band for all wall/floor junction areas. Apply first coat of Gripset 38 membrane to approximately 150mm extending up walls and on to floors, and embed Elastoproof Joint Band into wet bed of liquid membrane, ensuring fabric edges are fully wet out and no air bubbles exist behind the fabric. Rear rubber section of Elastoproof Joint Band is not bonded to substrates. At sections where Joint Band is to be joined, a minimum 50mm overlap is required. Elastoproof Prefabricated Corners are available for both internal (90°C) and external (270°C) junctions, enabling Joint Band to overlap and avoid joint at critical areas. If Prefabricated corners are not used, Elastoproof Joint Band is to have bottom leg cut and folded; ensuring fabric is completely bonded with Gripset 38 membrane.

For floor pipes protruding floors, Elastoproof Collars are to be fitted over the neck of the pipe, embedding fabric edges into wet bed of Gripset 38 membrane. For floor wastes that are finished level with the floor, Elastoproof Inverted Collars are to be fitted or alternatively the Gripset 38 membrane with Gripset RF Fabric embedded is to be dressed down into the waste outlet at a minimum 50mm.

Once Elastoproof Joint Band is in place, apply Gripset 38 membrane to the total floor area and to walls at 150mm high in general wet areas and balcony decks, and at 1.8m high in shower alcoves. A continuous seamless membrane should be the final finish to the total area upon completion of the waterproofing membrane application.

### Tiling & surface toppings

- It is recommended when tiling directly over Gripset 38 in internal and external floor areas, that Gripset C-Flex, Gripset C-Bond or Gripset C-Set tile adhesives be used.
- If applying a screed, render or concrete topping over Gripset 38 it is recommended to incorporate Gripset 11Y as a proprietary bonding agent and water resistant additive.
- For use of other adhesives over Gripset 38 contact the technical department of Gripset Industries for detail of compatibility.
- Pre mixed tile adhesives are not recommended to be used over Gripset 38.
- Drying time before tiling is 24-48 hours.

**Note:** All tiling is to be carried out to AS3958.1 – 2007 "A Guide To The Installation of Ceramic Tiles"

### Storage conditions

- Best stored at room temperature.
- Avoid cold freezing conditions and off concrete floors.
- Do not store in direct sunlight.
- Shelf life is 12 months in original unopened container.

### Precautions

- Not to be used as a trafficable surface
- 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 applied over glass or glazed surfaces
- Not designed as a sealant for expansion or control joints
- Not to be used in areas where solvent or petroleum based products may be spilled
- Not to be used in areas subject to negative hydrostatic pressure
- All finish coatings over this membrane must be water based and solvent free
- Material Safety Data sheet (**MSDS**) available
- For further information contact technical department of Gripset Industries
- Allow 10 days drying after final application if treated area is to be flood tested



## Liquid rubber membrane

**Packaging** • 5 litre and 15 litre oval pails; 200 litre drums

**Clean up** • In water while wet.  
• Once dried product needs to be removed mechanically.

### Technical data

<b>Appearance</b>	Wet and dry film – blue
<b>Form</b>	Viscous paste
<b>Drying</b>	Tack free: 1-2 hours Re-coat: 4 hours Dry film: 24 hours Tiling or toppings over: 24-48 hours
<i>Based on normal ambient conditions of 20°C</i>	
<i>* Temperature, humidity and porosity will vary dry times</i>	
<b>Specific gravity</b>	1.48kg/litre
<b>Shore A Hardness (ASTM D2240-97)</b>	65
<b>Solids Content</b>	80%
<b>Potable Water (AS/NZS 4020 -1999)</b>	Passed – exposure of 7600mm <sup>2</sup> /litre
<b>Adhesion to concrete (after 7 days)</b>	1.3Mpa at 1mm dry film thickness

### Durability Test Results to AS/NZS 4858-2004:

<b>Elongation</b>	480%
<b>Classification</b>	Class III
<b>Tensile Strength</b>	1.09Mpa
<b>Water Immersion Test - 56 Days</b>	PASS
<b>Bleach Immersion Test - 56 Days</b>	PASS
<b>Detergent Immersion Test - 56 Days</b>	PASS
<b>Heat Ageing</b>	PASS
<b>Cyclic Movement Test</b>	PASS
<b>Water Absorption Test</b>	1.82%
<b>Vapour Transmission Test</b>	0.14g/24h/m <sup>2</sup>

### Contact details

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### Product disclaimer

This Product Data Sheet (PDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this PDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Gripset Industries does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.