

## Description

Gripset P39 is a highly versatile, fibre enhanced membrane suitable for a wide range of under tile and exposed membrane applications.

Developed using advanced hybrid polyurethane technology, Gripset P39 offers superior elastomeric and flexible properties while maintaining high tensile strength. With outstanding waterproofing properties and low water vapour transmission, P39 possesses the unique feature for withstanding early water ponding and permanently wet conditions without re-emulsification.

Compliant to AS 4858: 2004 for internal wet areas, outstanding bonding properties are achieved for overlaid finishes such as renders, screeds, and tile adhesives.

With excellent UV resistance and anti-fungal properties, P39 can be used to protect exterior substrates for long term protection against UV degradation and harsh climatic conditions.

## Features & Benefits

- \* Highly flexible and elastomeric
- \* Low vapour transmission properties and low water absorption
- \* Excellent adhesion properties
- \* Outstanding weather 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
- \* Solvent free, non-hazardous

## Application

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

## Waterproofing 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, 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, smooth, stable, dry, and clean.

Rough surfaces and voids to be evened or filled first (refer to Gripset 11Y for concrete/masonry repairs). All general surface defects to be repaired.

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 objects, 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.

## Priming

Gripset P39 membrane must be applied onto primed surfaces:

**Xpress Primer H20 Plus** - For concrete rooftop applications, green/damp concrete, screeds and mineral surfaces containing residual moisture

**Gripset GP primer** – for general porous vertical and horizontal building surfaces. Brush or roller apply primer to total surface area at a minimum coverage of 1 litre per 6m<sup>2</sup> and allow drying for 30 minutes or once wet film dries to a clear transparent coating.

**Gripset OP primer** – for non porous, smooth and dense surfaces. Brush or roller apply primer to total surface area at a minimum coverage of 1 litre per 12m<sup>2</sup> and allow to dry for 1 hour

**Gripset 11Y slurry** – for use over asphalt/bitumen surfaces and existing coatings. Mix Gripset 11Y in equal volumes to the following ratios: 1 part Gripset 11Y + 1 part Portland cement + 1 part fine wash sand, mix to form homogenous slurry. Brush apply to substrate at coverage of 1 litre per 3m<sup>2</sup>.

**Gripset P10 or E60 primer** – For concrete rooftop applications and general surfaces subject to rising damp. Refer to individual data sheets for specific coverage details. Allow to dry for a minimum 24 hours before applying membrane. Primer must be tack free before applying membrane.

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

## Detailing

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

<b>Voids, gaps and undulating surfaces in concrete/masonry</b>	Filled and evened with Gripset 11Y repair mortar compound.
<b>Static cracks up to 1mm:</b>	Filled with Gripset SB, followed by Gripset RF reinforcement
<b>Live cracks and cracks &gt;1mm:</b>	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 or Gripset SB with Gripset RF Reinforcement where collars cannot be utilised Butyl Squares over leak control flanges

## Membrane Application & Coverage

Where applicable the application of Gripset P39 must comply with the following standards:

**AS3740** - Waterproofing of wet areas within residential areas

**AS4654.2** - Waterproofing membrane systems for exterior use – above ground level

Product is to be applied in a minimum of 2 coats to achieve a minimum dried film thickness of 1-1.2mm. For optimal sealing over flat roofs, product is to be applied in 3 coats to achieve a minimum dried film thickness of 1.3mm. 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 medium nap roller or brush.

- 1 x 15litre pail will cover 10m<sup>2</sup> @ 1mm DFT (2 coats)
- 1 x 15litre pail will cover 7.5m<sup>2</sup> @ 1.3mm DFT (3 coats)

### Installing Elastoproof Bond Breaker Joint Band

Measure and cut Elastoproof Joint Band for all wall/floor junction areas. Apply first coat of Gripset P39 membrane to extending 150mm 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°) and external (270°) junctions, enabling Joint Band to overlap and avoid joint at critical areas. If Prefab corners are not used, Elastoproof Joint Band is to have bottom leg cut and folded; ensuring fabric is completely bonded with Gripset P39 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 P-39 membrane. For sealing penetrations where Elastoproof product cannot be used, seal around base of penetration at abutment to substrate using Gripset SB sealant followed by cut strips of RF Fabric embedded into P39 membrane.

For floor wastes that are finished level with the floor, the Gripset P39 membrane with Gripset RF Fabric embedded is to be dressed down into the waste outlet at a minimum 50mm ensuring the perimeter of the pipe/substrate abutment is sealed.

For leak control flanges apply Gripset SB or compatible sealant around edges of flange at interface with floor substrate. Gripset P39 membrane with Gripset RF Fabric embedded is to be applied over edges of flange at floor substrate abutment until total perimeter is sealed. Return P39 membrane down into flange. For alternative sealing option see Elastoproof Butyl Squares.

When the detailing application has been completed apply Gripset P39 membrane to walls and floor surfaces as required

### Tiling & Surface Toppings

It is recommended when tiling directly over Gripset P39 in internal and external floor areas, that Polymer modified cement based tile adhesives are used.

If applying a screed, render or concrete topping over Gripset P39 it is recommended to incorporate Gripset 11Y as a proprietary bonding agent and water resistant additive.

For use of other adhesives over Gripset P39 contact the technical department of Gripset Industries for detail of compatibility.

Pre mixed tile adhesives are not recommended for use over Gripset P39.

Minimum drying time before tiling is 24 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: 24 months in unopened container

### Packaging

- \* 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 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 solvent free
- \* Allow minimum 72 hours drying after final application if treated area is to be flood tested
- \* Safety Data sheet (SDS) available
- \* For further information contact technical department of Gripset Industries

### Clean up

- \* In water while wet.
- \* Once dried product needs to be removed mechanically or by solvent

### TECHNICAL DATA

<b>Appearance</b>	Wet and dry film - grey
<b>Form</b>	Viscous paste
<b>Drying</b>	Tack Free: 1-2 hours Re-coat: 2-4 hours Dry film: 24 hours Tiling or toppings over: 24-48 hours Weatherproof Vertical: 24 hours Weatherproof Horizontal: 48 hours Flood test: 72 hours curing
<b>Specific gravity</b>	1.3kg/litre
<b>Shore A hardness (ASTM D2240-97)</b>	60
<b>Accelerated Weathering (1000 hours Arc tests)</b>	No changes to physical appearance or properties

<b>Durability test results for AS/NZ 4858 – 2004:</b>	
<b>Elongation classification</b>	>400% - Class 3
<b>Tensile Strength</b>	1.8MPa
<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>	PASS
<b>Vapour Transmission Test</b>	1.2g/24h/m <sup>2</sup>

### Notes

It is recommended before commencing the application; that adhesion of products to be used (e.g. primers, membranes, coatings adhesives etc) is tested over a typical area of the prepared surface to ensure satisfactory adhesion. It is the responsibility of the applicator to carry this out and accept the substrate suitability before any application starts. Gripset Industries offers a service for pre testing adhesion to surfaces for large commercial areas or unusual substrates. For further details contact Gripset Industries.

Details contained in product data sheets are general. For any situation or items not covered in this data sheet, it is the responsibility of the applicator to check with Gripset Technical Services before commencing the application. A written confirmation will then be issued by Gripset Technical Services.

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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.