

Description

Gripset BRW PFN is a self-adhesive butyl rubber sheet membrane designed for high performance waterproofing applications over floor surfaces to internal and external areas. Featuring a high tack butyl rubber backing and front fabric lamination, the BRW PFN membrane offers outstanding waterproof properties and enhanced resistance to vibration, movement and flexing, while supporting the direct application of toppings and tiled finishes.

Gripset BRW PFN represents true hybrid system, used in conjunction with, and complimenting Gripset liquid membranes to offer greater versatility and functionality over standalone liquid and sheet systems for critical and standard waterproofing applications.

Features & Benefits

- Self-adhesive application
- Outstanding adhesion to applied surfaces
- Excellent performance in low to high temperatures, -30°C to 80°C
- Flexible and excellent vibration resistant properties
- Anti-fracture properties
- Hybrid system – complimenting Gripset liquid waterproof membranes
- Primer-less application on metallic, plastic and glazed surfaces
- Cold lay applied, ease of workability. No torching or heat welding
- Excellent waterproof and vapour resistant properties
- Outstanding adhesion and flexibility in cold temperatures, no cracking
- No solvent or hazardous primers or adhesives emitting dangerous fumes
- Instant sealing properties
- Rupture and tear resistant
- Solvent free and non-toxic
- Compatible with cement based tile adhesives and screeds
- Compliant to AS 4858 and AS4654.1 for internal and external wet areas

Application

- Gripset BRW-PFN is suitable for commercial, industrial and residential applications

Uses

Waterproofing to floor areas in:

- Internal wet areas, bathrooms, laundries and tiled areas
- External wet areas, balconies, decks, podiums and terraces
- Anti-fracture system over cracked concrete and floor substrates
- Multi – layered high performance system with Gripset BRW-HD

Substrates

- Concrete
- Screed
- Compressed fibre cement sheeting
- Timber sheeting and structural plywood
- Most metals including galvanised iron, zincalume, stainless steel, copper and aluminium
- Glazed surfaces
- Marble, granite and ceramics
- Soft and rigid plastics, PVC, DPC films
- Over existing epoxy coatings

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 BRW PFN 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 (VAPOUR BARRIER)

GRIPSET XPRESS H20 PRIMER PLUS

Apply by brush or medium nap roller at a minimum coverage of 1 litre per 6m²

GREEN/DAMP SURFACES (MOISTURE/VAPOUR BARRIER)

GRIPSET E60*

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

***Note:** Priming is generally not required to non-porous, non-mineral based surfaces such as metals, plastic and glazed surfaces when suitably prepared, sound and clean

***IMPORTANT**

The Gripset BRW PFN Sheet Membrane is to be installed over Gripset E60 within 72 hours of the dried film

Always test and accept adhesion of the BRW PFN sheet over a small test area of the E60 before applying to all surfaces

If adhesion is low, wipe surface with a clean, dry cloth to remove any moisture, contaminants / loose material before retesting

If adhesion is still low, lightly sand the surface with 240grit sandpaper and reapply a further coat of Gripset E60. Allow to dry and re-test over a small area before proceeding.

Installation

Gripset BRW PFN 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

1. Measure dimensions of the floor area the sheet is to be adhered to. On floor areas the sheet is to abut edges of the walls
2. Unroll the sheet and using a sharp knife or scissors, cut lengths required then re-roll sheet up in preparation for adhering to surfaces.
3. Roll up cut lengths and place in starting position ready for laying
4. For longer runs exceeding the length of the roll, work directly off the roll.
5. It is important that first roll is laid straight. If not abutting a wall surface, use a string/laser line to ensure all other lengths run parallel with the first
6. On sloped or graded surfaces, start by laying the membrane from the lowest point (nearest to drainage point) and working upwards to higher points (away from drains). Ensure overlaps formed are aiding drainage of water and not creating counter gradient overlaps
7. Laying the sheet into position, remove approx. 100-200mm of release paper from the rear butyl rubber side and tack onto the surface. Continue to slowly remove the rear release paper while the sheet is being unrolled and remove any creases or air bubbles with a flat trowel, heavy roller, or float to ensure the sheet is firmly bonded to the substrate.
8. Ensure the sheet is well pressed at edges and termination points

Overlaps

- All vertical & horizontal sheet joins (where new roll is to be started) must have a minimum 50mm overlap. This represents 1 x square of the fabric facing pattern
- Use the patterned squares as a guide to ensure the overlap runs parallel with preceding sheet
- Once overlapped and bonded, use a small, hand held vinyl roller and press sheet overlaps firmly, working the butyl into the underlying sheet surface to ensure good connection
- Once installed, all sheet overlaps are to be coated with a 100mm wide liberal coat of a suitable Gripset liquid membrane applied centrally across the overlap

Pipes, penetrations & fixtures

- Over pipes, penetrations and fixtures, the BRW-PFN sheet is to be cut to enable the sheet to slide over the fixture
- Measure the diameter/dimensions of the fixture, and the position where the sheet will cover the fixture. Cut a cross "+" in the sheet to the required dimension/position and slide the sheet over and bond to the surface
- Alternatively, lay the unbonded sheet over the fixture, and press the sheet down firmly onto the fixture to create an imprint in the sheet. Cut the sheet accordingly and slide over
- Trim any of the loose membrane around the upturn of the fixture where the incision was made, ensuring the sheet is firmly bonded around, and seals to the fixture
- Elastoproof Collars or individual sealing patches formed from sections of the BRW PFN sheet or PF Tape can also be used to seal around pipes and fixtures as required
- Once sheets are fixed, penetrations are to be sealed with a liberal coat of a suitable Gripset liquid under tile membrane to seal, turning the membrane up and sealing to the penetration

Floor wastes

- Lay the sheet directly over the waste and adhere to both the floor surface and flange
- Mark and cut an aperture in the sheet using knife to reveal the waste ensuring the interface between the substrate and floor waste/leak control flange is bridged and sealed

Sheet edge terminations

- Where the BRW PFN Sheet terminates to horizontal surfaces (no vertical upturns) such as balcony edges, the exposed edge of the sheet is to be protected.
- Install BRW PF Tape or RLA Waterproof Bandage, laid centrally over the terminated edge and turn down over the balcony edge onto fascia sections. Cover with a suitable Gripset liquid under tile membrane to seal and encapsulate

Detailing & Bond breaker Systems

Critical areas of the waterproofing application such as perimeter wall/floor junctions are to be correctly sealed and detailed once installation of the BRW PFN Sheet Membrane to floor areas is complete

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 ELASTOPROOF B50 JOINT BAND
	Option B BRW PF TAPE

Bond breaker – Option 1

- Measure and cut **ELASTOPROOF B50 JOINT BAND** bond breaker tape for wall/floor junctions to be sealed.
- Apply first coat of a suitable Gripset liquid under tile membrane by brush or roller extending up walls and returned onto the BRW PFN Sheet to floors
- 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 Gripset liquid membrane over the face and edges of the Joint Band to encapsulate and extend up walls to the required termination height.
- **PREFABRICATED CORNERS** are available for both internal (90°) and external (270°) corner junctions

Bond breaker – Option 2

- 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, returning half up the wall, and half onto the BRW PFN Sheet.
- Press the Tape firmly using a hand held vinyl roller to ensure good connection to both surfaces, eliminating air pockets and creases
- Apply a liberal coat of Gripset liquid under tile membrane over the face and edges of the tape to encapsulate, extending up walls to the required termination height

GRIPSET[®] BRW PFN

FIBRE REINFORCED BUTYL RUBBER WATERPROOFING

TDS

TECHNICAL DATA SHEET

Tiling

- When tiling directly over BRW PFN, 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 BRW PFN contact the technical department of RLA Polymers for detail of compatibility for detail
- If applying a screed, render or concrete topping over BRW PFN, [GRIPSET 11Y](#) to be incorporated as a proprietary bonding agent and water resistant additive into the mix. Alternatively see [GRIPSET C-BED](#) engineered screed.

Shelf life and Storage

- Product is best used within 12 months of purchase; however, properties of product will be unchanged if stored correctly
- Best stored at room temperature in dry internal conditions.
- Not affected by frost, or cold floors
- Keep product stored upright vertically

Packaging

10m x 1m Roll packed in cardboard cartons.

Precautions

- Suitable for floor/horizontal surfaces only. Not to be used over vertical surfaces to support tiles or other finishes
- Do not apply when surface or ambient temperatures are below 5°C or above 30°C
- Not to be used as an exposed membrane finish, must be finished over
- Not to be used as a trafficable surface
- Not to be used over expansion joints
- Not compatible with solvent based finishes applied over
- 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. Safety Data Sheet (SDS) available

Technical Data

Colour/material	White face fabric Grey butyl backing
Thickness	1mm
Specific weight	1.55g/cm ³
Tensile Strength (AS 4654.1 Appendix A)	>2MPa
Elongation (AS1145.3)	>60%
Membrane Class	Class II
Water Vapour Transmission (ASTM E96 Desiccant method)	0.1g.24h/m ²
Water Absorption (AS 3558.1)	1.5%
Service Temperature	-30°C to 80°C
Compliance to AS4858	PASS
Compliance to AS 4654.1	PASS



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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.

GRIPSET BRW PFN TDS

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