

Description

Gripset BRW HD is a self-adhesive butyl rubber sheet membrane with a laminated high strength HDPE film facing designed for subterranean waterproofing and multi layered sheet membrane applications.

The high tack butyl backing provides a high performance waterproof layer with excellent adhesion to porous and non-porous surfaces in a wide range of temperature conditions. BRW-HD membrane has outstanding resistance to vibration, movement and flexing, delivering a waterproofing system that overcomes the limitations of bitumen self-tack and heat applied sheet membranes.

Forming an instant waterproof seal when applied onto surfaces, BRW HD system avoids down time for drying or curing, delivering rapid application times to enable areas to be in service immediately upon waterproofing completion.

Features & Benefits

- Self-adhesive application
- Outstanding high bond adhesion to applied surfaces
- Excellent performance in low to high temperatures, -30°C to 80°C
- Bonds and retains adhesion in cold application temperatures
- Excellent resistance to ground salts and chemical agents
- Primer-less application on metallic, plastic and glazed surfaces
- Provides dimensional stability, high tear strength, puncture and impact resistance
- Cold lay application. No torching or heat welding
- Excellent waterproof and vapour resistant properties
- Outstanding flexibility in cold temperatures, no cracking
- No "bleed" or "yellowing", as per bitumen based products
- No solvent or hazardous primers emitting dangerous fumes
- Instant sealing properties, no drying required
- Continuity ensured at overlaps with in-built sealing strip along sheet edge
- Solvent free and non-toxic
- Can handle continuously ponding water
- Compliant to AS4858 & AS4654.1 for internal & external wet areas

Application

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

Uses

- Underground retaining walls
- Planter boxes and garden beds
- Roof gardens
- Basement and lift pit walls
- Plaza decks, podiums, terraces
- *Under pedestal paver finishes
- Unbonded screeds systems
- Multi layered high performance system with Gripset BRW-PFN

*Must be covered and protected from UV exposure

Substrates

- Concrete
- Screed
- Concrete block and masonry
- 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 HD 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 H2O 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

Priming continued

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

Installation

Gripset BRW HD 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

Floor surfaces

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 and 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

Wall surfaces

- For wall surfaces the BRW-HD sheet is to be adhered working in a vertical joint pattern. Measure dimensions of the wall area the sheet is to be adhered, allowing extra if returning onto floor sections
- For planter box applications, or applications where BRW HD wall sheet lengths are to overlap onto HD floor sheets, the minimum overlap should be 150mm
- Unroll the sheet and using a sharp knife or scissors, cut lengths required then re-roll sheet up in preparation for adhering to surfaces.
- It is important that first roll is adhered straight to ensure all other lengths run parallel with the first. Using a string line will help ensure all other lengths run parallel with the first
- Holding the sheet into position, remove approx. 100-200mm of release paper from the rear butyl rubber side and tack this onto the wall 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.

Overlaps (vertical / side overlaps)

- It is important that side overlaps are properly sealed by utilising the in-built sealing strip on sheet edges.
- Remove the release tape on the sealing strip and place the overlapping sheet over ensuring the overlapping sheet lines up along the guide line
- Using a small, hand held vinyl roller, press sheet overlaps firmly, working the butyl into underlying sheet surface to ensure good connection

Overlaps (horizontal / end of rolls)

- **BRW FG TAPE** is to be used at sheet ends to create a permanent seal between sheets at ends of rolls
- Mark projected end of roll onto the substrate to use as a guide before removing final portion of release paper
- Install FG Sealing Tape centrally over marked line, remove release paper and push firmly into place
- Remove final portion of release paper on the sheet length and fix/overlap end of roll 25mm onto the FG Tape ensuring no air bubbles or creases
- Once in place start new roll application, overlapping 300mm onto existing sheet as indicated by perforated squares
- Using a small, hand held vinyl roller, press sheet overlaps firmly, working the butyl into underlying sheet surface to ensure good connection
- Refer to BRW FG Tape TDS for additional details and uses

Pipes, penetrations & fixtures

- Over pipes, penetrations and fixtures, the BRW-HD 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. 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
- Individual sealing patches formed from sections of the BRW HD sheet or **BRW HD TAPE** can also be used to seal around pipes and fixtures where additional protection is required

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

When terminating the BRW HD sheet membrane to base of walls or horizontal footing sections of retaining walls, where no subsequent sheet or detailing tapes will be overlapped, the end of roll overlap detail using the BRW FG Tape as specified above is to be used

Vertical sheet edge terminations

Exposed sheet edge terminations to vertical surfaces in applications including retaining & basement walls and planter boxes must be protected. Refer to BRW Installation Manual for specific termination details

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 HD Sheet Membrane to floor areas is complete

Refer to the [BRW HD TAPE](#) TDS for details

Detailing & Bond breaker Systems

**Bond breaker & joint transitions
(AS 3740 & AS 4654.1)**

[BRW HD TAPE](#)

Bond breaker installation

- [BRW HD TAPE](#) is to be utilised for perimeter detailing and construction of internal and external corners
- Unroll HD 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 the width up the wall, and half onto the BRW HD Sheet to floors.
- Minimum overlap of the HD Tape onto the BRW HD Sheet to floor areas is 50mm
- 1. Press the Tape firmly using a handheld vinyl roller to ensure all air pockets and creases are pushed out and good connection to substrate and HD Membrane is achieved
- **Note:** For membrane upturns exceeding 100mm, or where the HD is to be installed to vertical walls, cut lengths of the BRW HD Membrane accordingly and extend up walls to the required termination height

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

- Not to be used for applications subject to UV exposure
- Not to be used for applications required to support overlaid finishes, tiles, paints or other decorative coatings. Refer to [BRW PF TAPE](#) TDS and BRW Installation Manual for capping details to enable direct application of surface finishes
- Not to be used as a trafficable surface
- Not to be used over expansion joints
- 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	Black HDPE face Black butyl backing
Thickness	1mm
Specific weight	1.55g/cm ³
Tensile Strength (AS 4654.1 Appendix A)	>3MPa
Elongation (AS1145.3)	>300%
Membrane Class	Class III
Water Vapour Transmission (ASTM E96 Desiccant method)	1g/24h/m ²
Water Absorption (AS 3558.1)	2%
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 HD TDS

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