GRIPSET® XPRESSLAY

TDS

TECHNICAL DATA SHEET

Description

Gripset XpressLay is a high strength, high performance, reinforced self-adhesive PVC sheet that offers unique system options for both waterproofing of internal wet areas, as well as an economical and lightweight alternative to traditional ceramic tile underlay.

The special adhesive backing provides excellent tack over substrates to ensure a strong adhesive bond. Combined with high tensile strength, XpressLay Sheet strength ensures superior resistance to vibration, movement and flexing, delivering enhanced anti-fracture abilities over timber and surfaces subject to deflection for both waterproofing, and general tiling installations.

Features & Benefits

- Rapid self-adhesive application
- Provides significant cost and time efficiencies over traditional ceramic tile underlay
- Excellent waterproof and vapour resistant properties
- Anti-fracture properties
- Flexible and excellent vibration resistant properties
- Excellent performance in cold and humid conditions
- Hybrid system – complimenting Gripset liquid waterproof membranes
- Cold lay applied, ease of workability. No torching or heat welding
- No solvents or hazardous primers emitting dangerous fumes
- Rupture and tear resistant
- Compatible with cement based tile adhesives and screeds
- Compliant to AS4858 for internal wet areas
- Provides long term Gripset system warranty options

Application

- Gripset XpressLay is suitable for commercial, industrial and residential applications

Uses

- Internal wet area waterproofing under tiles and screed overlays
- Alternative to Ceramic Tile Underlay on timber sheet flooring or structural sheet surfaces
- Waterproofing over existing tiles
- Waterproofing surfaces in cold and/or humid environments
- Anti-fracture system over cracked concrete and floor substrates
- Tiling applications over aged floors or industrial floor coatings

Substrates

- Concrete
- Screed
- Compressed fibre cement sheeting
- Timber sheeting and structural plywood
- Glazed surfaces

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
- Timber surfaces to be free from wax residues / coatings
- 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
- The maximum deflection for floor surfaces as per AS3958: L/360 for tiles up to 500X500, L/720 for 500 X 500 to 1200 X 600
- 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 XpressLay must be applied onto primed surfaces

POROUS & NON POROUS SURFACES

GRIPSET XPRESS SP PRIMER

Apply 1 x coat by brush or medium nap roller at coverage of 1litre per 8-12m^2

POROUS & NON POROUS SURFACES

RLA UNIVERSAL PRIMER

Porous surfaces: Dilute 1 part Universal Primer: 2 parts water
Non porous surfaces: Apply neat (undiluted)
Apply 1 x coat by brush or medium nap roller at coverage of 1litre per 5-10m^2

GREEN/DAMP SURFACES

GRIPSET E60

Apply 1-2 coats by brush or medium nap roller at a minimum coverage of 1 litre per 3m^2 per coat

Installation

Apply primer to floor surfaces to the extent of the 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 plastic and glazed surfaces when suitably prepared, sound and clean

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Installation

Gripset XpressLay 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

Installation

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.
- Once overlapped and bonded, use a small, hand held vinyl roller and press sheet overlaps firmly, working the PVC into the underlying sheet surface to ensure good connection
- For waterproofing applications, all sheet overlaps are to be coated with a 100mm wide liberal coat of a suitable Gripset liquid under tile membrane applied centrally across the overlap
- As an anti-fracture system under tiles to non-wet areas, no membrane coating to overlaps is required

Pipes, penetrations & fixtures

- Over pipes, penetrations and fixtures, the XpressLay 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 BRW 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 the floor surface
- Cut an aperture in the sheet using knife to reveal the waste
- Interface between XpressLay sheet and waste to be sealed using BRW PF SQUARES
- Remove release paper from the butyl rubber side of the Square and position the square in place, ensuring the square bridges the edge of the flange and XpressLay sheet
- Press into place with a spatula, sponge or cloth, ensuring air pockets and creases are pushed out
- Using a sharp knife, cut an aperture in the centre of the square to reveal the waste

Detailing & Bond breaker Systems

For waterproofing applications, critical corner intersections such as perimeter wall/floor junctions are to be correctly sealed and detailed once installation of the XpressLay 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 XpressLay 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 XpressLay 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

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Tiling

- All tiling to be carried out as per AS 3958 – Installation of Ceramic and Stone Tiles
- When tiling directly over XpressLay, 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 XpressLay, contact the technical department of RLA Polymers for detail of compatibility for detail
- If applying a screed or concrete topping over XpressLay, GRIPSET 11Y to be incorporated as a proprietary bonding agent and waterproof 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.
- Keep product stored upright vertically

Packaging

10m x 1.3m 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
- Not to be used externally as the primary waterproofing system
- Designed to support the direct fixing off tiles and screed overlays only
- Ensure tile selection is suitable and commensurate with requirements for surface deflection as per AS3958 – Installation of ceramic and stone tiles
- 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 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

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)	0.1g.24h/m^2
Water Absorption (AS 3558.1)	1.5%
Service Temperature	-30°C to 80°C
Compliance to AS4858	**PASS**

RLA POLYMERS

GRIPSET SEALED FOR GOOD

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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.

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