
Description

Gripset XpressLay is a next generation high strength reinforced self-adhesive PVC sheet that offers unique properties for waterproofing internal wet areas and external de-coupling applications. At less than 1mm film thickness, XpressLay provides tensile strength properties of 13MPa offering standalone benefits and advantages for wet area waterproofing.

The innovative self-adhesive properties of XpressLay enable the sheet to be applied directly over substrates and removed or re-positioned, without compromising the bond to surfaces or performance or the shear adhesion strength over floor surfaces. The unique adhesive backing has outstanding moisture resistance providing excellent tack over substrates that ensures a strong adhesive bond.

One of the primary features of XpressLay is that while providing high performance waterproofing and vapour barrier properties, the tensile strength properties enable it to perform as decoupling layer for tile beds, withstanding floor movement strains. XpressLay PVC core provides outstanding resistance to vibration, movement and flexing, delivering a waterproofing system that overcomes the limitations of liquid membranes while providing anti-fracture and decoupling properties.

The rapid, simple application speed of XpressLay provides the application to be carried out in all types of conditions, including extreme cold or humidity. The XpressLay system avoids down time for drying or curing, providing instant waterproofing that enables tile adhesives or screeds to be directly applied. XpressLay can be finished over with Gripset adhesives, membranes, coatings, screeds, mortars and approved decorative finishes.

Features & Benefits

- Rapid self-adhesive application
- Unique tack properties that allows remove and re-position without adhesion compromise
- De-coupling properties
- Excellent performance in extreme cold and humidity
- Flexible and excellent vibration resistant properties
- Anti-fracture properties
- Cold lay applied, ease of workability. No torching or heat welding
- Excellent waterproof and vapour resistant properties
- No solvents or hazardous primers emitting dangerous fumes
- Rupture and tear resistant
- Ability to finish with Gripset coatings and non-solvent surface finishes
- Compatible with cement-based tile adhesives, screeds
- Compliant to AS4858
- Enables removal of floor finishes and tiles without substrate damage
- Provides long term Gripset System warranty options

Uses

- Wet area waterproofing
- Waterproofing over existing tiles, vinyl or timber flooring
- Waterproofing surfaces in cold and/or humid environments
- Anti-fracture system over cracked concrete and floor substrates
- Enables future removal of tiles without substrate damage
- Multi – layered high performance system with Gripset BRW-HD
- Tiling applications over aged floors or industrial floor coatings
- Tile underlay on timber flooring or structural sheet surfaces

Substrates

Gripset XpressLay will adhere to common and specialist building surfaces, including:

- Primed or dense concrete
- Timber flooring surfaces (sound and stable)
- Structural floor sheeting
- Glazed surfaces

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- Marble, granite and ceramics
 - Existing coatings including epoxy, polishes, paint surfaces
 - Over failed water based and solvent based liquid membranes
- Existing coatings must be well bonded to substrates – refer Gripset Technical Dept for further details.*

Surface Preparation

XpressLay requires surfaces to be dried and free of surface moisture.

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, dirt, dust, 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. All metals must be free of oils, grease and wax residues. Use suitable degreaser or isopropyl solution to ensure surfaces are free of residues before application commences

Priming

For porous and non-porous surfaces – prime with Xpress SP.

Damp surfaces with residual moisture – prime with Gripset E60. Ground concrete with rising damp must be prepared with Gripset E60 first.

*Refer to relevant data sheets for specific primer application and coverage details

Installation

XpressLay sheet membrane is supplied in a 10m x 1.3m wide roll and 700mm X 1.3m sheets.

When the membrane is applied less than roll or sheet lengths, measure dimensions needed for the application and using a sharp knife or scissors, cut lengths required then re-roll sheet up in preparation for adhering to surfaces. The XpressLay sheet is to be adhered on all floor areas to be waterproofed, abutting edges of the walls of these areas.

When applying XpressLay 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.

Over pipe penetrations, XpressLay sheet is to be cut to enable the sheet to slide over penetrations. This is best achieved by measuring the pipe diameter and in the position where the sheet will cover the pipe, a cross "+" should be cut that is the pipe diameter length and sliding this over the pipe.

When laying the sheet into position, remove approx. 100-200mm of release paper from the rear side and tack this 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, dry cloth or float to ensure the sheet is firmly bonded to the substrate. Ensure the sheet is well pressed at overlaps, corners, edges and termination points.

technical data sheet

Trim any of the loose membrane around the upturn of the pipe from the section where the cross "+" was formed ensuring the sheet is firmly bonded around the pipe/penetration

All sheet joints must have a minimum 50mm overlap and sheets laid in staggered bond. *BRW PF Tape is to be applied over all overlap joints and coated with 100mm wide of Gripset liquid membrane; Gripset 38FC or Xpress Multi Pro are recommended.

*Note: when Xpresslay is used as Tile Under Lay only, and waterproof seal is not required BRW PF tape with liquid membrane detail may be deleted.

The use of protection boards are recommended to be used for following trades, avoid placing tools and equipment on exposed Xpresslay sheets.

Bond Breaker System

BRW PF Tape can be used at wall/floor junctions as the perimeter bond breaker. Using the 150mm or 80mm wide BRW tape, create the internal corner junctions first and install in place. Then overlap sections of the tape overlapping the installed corners, pressing into place.

Alternatively, Elastoproof Prefabricated Corners and the Elastoproof Joint band can be used as the system bond breaker. First install prefabricated corners in place (internal 90° and external 270° available), then overlap the Elastoproof Joint Band onto corners, wetting fabric edges of the joint band and corners into a coat of Gripset 38FC liquid membrane, extending 150mm up walls and onto installed XpressLay on floor.

Once in place, the Gripset 38FC membrane is to be brushed or rolled over the face and onto all edges of the Joint Band adhering to the XpressLay sheet, to fully seal the lip of the Joint Band and XpressLay sheet membrane. This also applies to where the BRW PF Tape has been used at wall/floor junctions.

For floor pipes protruding floors, Elastoproof Collars are to be fitted over the neck of the pipe bonding the collar to the XpressLay sheet within a wet bed of Gripset 38FC liquid membrane. Once fixed, seal edges of the collar to the XpressLay sheet and turn up and seal to pipe with a liberal coat of Gripset 38FC.

For leak control flanges, BRW PF Squares are to be fitted directly over ensuring the interface between XpressLay sheet and edge of flange is bridged. Seal edges and complete face of Butyl Square with liberal coat of Gripset 38FC liquid membrane turning membrane down into the waste

Tiling & Surface finishes

XpressLay membrane is compatible with a range of surface toppings, including tiles, adhesives and other decorative finishes. All finishes applied directly over the XpressLay membrane must be solvent free.

Refer to the following for direct fixing of ceramic tiles over XpressLay:

1. As a minimum requirement, the tile adhesive classification to be used is a C2S1 grade.
2. On timber floor substrates where the XpressLay has been used, a C2S2 grade is recommended.
3. Pre-mixed tile adhesives are NOT to be used on XpressLay.

Refer to Gripset Technical Department for any direct tile fixing applications that fall outside these recommendations.

Screeding over XpressLay membrane, incorporate the Gripset 11Y additive into the screed to enhance adhesion to the membrane. Alternatively, Gripset C-Bed pre-bagged screed can be used directly onto the membrane. The face of XpressLay sheet should be lightly sponged over with clean damp sponge to ensure the surface is clean prior to any direct fixing of screeds or tile adhesives.

Tile adhesives compliant to ISO 13007 being directly fixed to XpressLay Sheet membrane are to be polymer modified. Pre-mixed adhesives and cement-based compounds without any polymer enhancement are not to be used for direct adhesion to the membrane.

For extended warranty, commercial applications utilising Gripset Systems tiling range contact Gripset Technical Services.

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

Storage conditions

- 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 and inside protective cartons

Packaging

- 10m x 1.3m Roll packed in cardboard cartons. Pallet 25 x 10m rolls
- 700mm x 1.3m Sheets packed in cardboard cartons. Packs of 25 or 100

Precautions

- Not to be used as an exposed membrane finish, must be finished over with a surface covering
- Not to be used as a trafficable surface
- Not to be used over expansion joints
- Concrete surfaces containing residual moisture must be sealed with Gripset E60 vapour barrier primer before applying membrane
- Do not apply solvent based finishes or adhesives directly over XpressLay
- Remedial application or use over existing surfaces, contact Gripset Technical Department for application specification.
- For further information that cannot be found in this data sheet, contact Technical Department of Gripset Industries

TECHNICAL DATA

Appearance	Light Grey
Form	Flexible sheet
Xpress Multipro Membrane Detailing Dry Time	Tack Free: 45 min Re-coat: NA Dry film: 2 hours
Based on Xpress Multipro Membrane at normal ambient temperatures of 23°C and 50% RH *Temperature, humidity and porosity will vary dry times	Tiling or toppings over: 2 hours Weatherproof Horizontal: 1 hour Flood test: 24 hours curing
Specific gravity	1.3kg/litre
Shore A hardness (ASTM D2240-97)	60
Accelerated Weathering (1000 hours Arc tests)	No changes to physical appearance or properties

Durability test results for AS/NZ 4654.1 – 2012:	
Elongation classification	>200% - Class 2
Tensile Strength	13 MPa
Water Immersion test – 56 days	PASS
Bleach Immersion Test – 56 days	PASS
Detergent Immersion Test – 56 days	PASS
Adhesion – on glazed tiles	1.03MPa – 24 hours 1.78MPa – 7 days

Cyclic Movement Test	PASS
Water Absorption Test	PASS
Vapour Transmission Test	1.2g/24h/m2

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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 IndustrieDetails 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.

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.

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