

Description

Xpress Multi Pro Membrane represents a new level of next generation waterproofing technology for water based membrane systems, providing fast cure properties that are unique in low temperature and high relative humidity environments.

Designed for both under tile and exposed applications subject to UV exposure, Xpress Multi Pro enables installation and operation under full service conditions in a fraction of the time of any other water based liquid membrane system. Xpress Multi Pro overcomes traditional shortfalls of current water borne systems including prolonged drying times, susceptibility to re-emulsification after early water ponding and washout after rain.

Based on hybrid polymer technology, Xpress Multi Pro provides an elastomeric membrane that is a safe alternative to hazardous solvent based and moisture cured membrane coatings.

Further time efficiencies are gained when this membrane is used with Xpress Primer H2O Plus for priming/sealing roof areas, damp and green mineral substrates containing residual moisture. With a 1 hour dry time, Primer H2O Plus can be overcoated significantly less time than traditional 2 part epoxy based vapour barriers.

Enabling project flow with minimal delays, rapid re-coat times and ability to subject the final membrane film to early water exposure, the Xpress Multi Pro Membrane is part of the next generation Gripset technology that continues to add value for waterproofing professionals and building projects with standalone waterproofing innovations.

Features & Benefits

- * Ultra-rapid drying and curing properties – forms a rain resistant finish in less than 1 hour
- * Withstands early ponding water and permanently wet conditions without re-emulsification or blistering after 3 hours of application
- * Suitable for under tile and fully exposed UV applications
- * Class III membrane to AS4858 and AS4654
- * Excellent adhesion properties
- * Outstanding weather resistant properties
- * Resistant to fungi and algae
- * Low dirt retention
- * Light foot trafficable
- * Solvent free, non-hazardous

Application

Xpress Multi Pro is suitable for commercial, industrial and residential applications.

Waterproofing Uses

- * Roofs as an exposed membrane finish
- * Roofs to be covered over with screeds and toppings
- * Internal wet areas, bathrooms, laundries and tiled areas
- * Balconies, decks, podiums, terrace floors
- * Box gutters
- * Parapets
- * External surfaces exposed to constant weather

Substrates

- * Concrete, render, cement screed 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 Xpress membrane must be applied onto primed surfaces:

Xpress Primer H2O Plus - For concrete rooftop applications, green/damp concrete, screeds and mineral surfaces containing residual moisture

Gripset GP primer – for general porous surfaces. Brush or roller apply primer to total surface area at a minimum coverage of 1 litre per 6m² and allow drying for 30 minutes or once wet film dries to a clear transparent coating.

E60 primer – For concrete rooftop applications and general surfaces subject to residual dampness/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.

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 12m² 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 3m².

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.

Voids, gaps and undulating surfaces in concrete/masonry	Filled and evened with Gripset 11Y repair mortar compound.
Static cracks up to 1mm:	Filled with Gripset SB, followed by Gripset RF reinforcement
Live cracks and cracks >1mm:	Elastoproof Joint Band
Bond Breaker:	Elastoproof Joint Band to wall/floor junctions and wall/wall junctions.
Movement or Expansion Joints:	Elastoproof Joint Band
Penetrations, Pipes, Drain outlets:	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 Xpress Multi Pro must comply with the following standard:

AS3740 - Waterproofing of wet areas within residential areas

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

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 > 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 brush, medium nap roller or airless spray system

1 x 15litre pail will cover 10m² @ 1mm DFT (2 coats)

1 x 15litre pail will cover 7.5m² @ 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 Xpress Multi Pro 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 Xpress Multi Pro 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 Xpress 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 Xpress Multi Pro membrane.

For floor wastes that are finished level with the floor, the Xpress Multi Pro 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. Xpress Multi Pro membrane with Gripset RF Fabric embedded is to be applied over edges of flange at floor substrate abutment until total perimeter is sealed. Return Xpress Multi Pro membrane down into flange. For alternative sealing option see Elastoproof Butyl Squares.

When the detailing application has been completed apply Xpress Multi Pro membrane to walls and floor surfaces as required

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 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
- * 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

Appearance	Wet and dry film – light grey
Form	Viscous paste
Drying	Tack free: 45 minutes Recoat: 1 hour Based on normal ambient temperatures of 23°C and 50% RH *Temperature, humidity and porosity will vary dry times Ponding water resistance: 3 hours Tiling or topping over: 3 hours Full Cure: 24 hours
Specific gravity	1.45kg/litre
Shore A hardness (ASTM D2240-97)	65
Elongation classification	+300% - Class 3
Tensile Strength	1.1MPa
Vapour Transmission Test	0.5g/24h/m ²

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.