

Description

Gripset Xpress Multi Pro Membrane represents the latest in cutting edge, water based, fast cure membrane technology. Designed for the protection of external surfaces subject to UV exposure and harsh climatic conditions, Xpress Multi Pro enables installation and operation under full service conditions in a fraction of the time, overcoming traditional shortfalls of current water borne systems including prolonged drying times, susceptibility to re-emulsification after early water ponding and washout after rain.

Highly flexible and elastomeric, with low vapour transmission properties and low water absorption Multi Pro offers a viable, safer alternative to hazardous solvent based Polyurethane Membranes.

Further time efficiencies can be achieved when used with the Express H2O Vapour Block primer for priming/sealing roof areas, damp and green mineral substrates containing residual moisture. With a 1 hour dry time, Express H2O Vapour Block can be overcoated significantly less time than traditional epoxy based vapour barriers.

The Xpress Multi Pro is part of the next generation of innovative Gripset products that continues to push the boundaries of waterproofing technology in the built environment.



Features & Benefits

- Ultra-rapid drying and curing properties – forms a rain resistant finish in only 3 hours
- Withstands early ponding water and permanently wet conditions without re-emulsification or blistering
- Low vapour transmission properties and low water absorption
- Excellent adhesion properties
- Outstanding weather resistant properties
- Resistant to fungi and algae
- Low dirt retention
- Light foot trafficable
- Solvent free, non-hazardous

Application

Gripset Xpress is suitable for commercial, industrial and residential applications.

Waterproofing Uses

- Roofs as an exposed membrane finish
- Parapets
- Podiums
- Building facades as an anti-carbonation coating
- External surfaces exposed to constant weather

Substrates

- Concrete, render and masonry
- Fibre cement sheeting, plasterboard and structural sheeting
- 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.

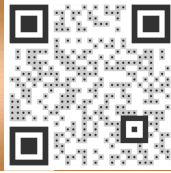
Surface Preparation

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:

Gripset Xpress H20 Vapour Block primer - For concrete rooftop applications, green/damp concrete and mineral surfaces containing residual moisture

Gripset GP primer – for general porous vertical building 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 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 2mm:	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 and Coverage

Where applicable the application of Gripset Xpress Multi Pro must comply with the following standard:

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

Product is 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 of 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 medium nap roller or brush.

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

1 x 15litre pail will cover 7.5m² @ 1.3mm DFT (3 coats)

Stir prior to use

Installing Elastoproof Bond Breaker Joint Band

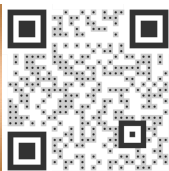
Measure and cut Elastoproof Joint Band for all wall/floor junction areas. Apply first coat of Xpress Multi Pro membrane to extending 150mm up walls and on to floors, and embed Elastoproof Joint Band into wet bed of liquid membrane, ensuring fabric edges are fully wet out and no air bubbles exist behind 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°C) and external (270°C) 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 BRW PF 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

- 15 Litre 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	Touch Dry: 45 minutes Dry film – 1 hour Recoat - 1-2 hours Ponding water resistance: 3 hours Full cure: 24 hours
<i>Based on normal ambient temperatures of 23°C and 50% RH</i>	
<i>*Temperature, humidity and porosity will vary dry times</i>	
Specific gravity	1.45kg/litre
Shore A hardness (ASTM D2240-97)	65
Elongation classification	+300% - Class 3
Tensile Strength	0.8MPa
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.