

Description

Gripset LS Roof Coat is hard wearing, non slip top coat designed for external floor surfaces on pitched or flat roofs, podiums and balcony areas. Used as the finish coat over other Gripset base liquid membranes or GC2 sheet providing a durable membrane system in applications subject to permanent exposure and varying climatic conditions, UV light and foot traffic.



Features & Benefits

- * Solvent free and non hazardous
- * Non shrinking, flexible (not elastomeric)
- * Resistant to fungi and algae growth
- * Excellent weathering properties
- * Excellent adhesion to surfaces
- * Excellent ponding water resistance
- * Foot trafficable
- * Can be applied in high build film thickness for greater durability
- * Provides non slip surface, no sand casting or aggregate addition required

Application

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

Waterproofing Uses

- * Roof areas (used with a base membrane layer)
- * Walkways
- * Deck and balcony areas
- * Exposed roof surfaces for maintenance and access areas
- * General horizontal surfaces exposed to weather

Substrates

Substrates suitable for bonding Gripset LS over include:

- * Concrete and masonry screeds
- * Fibre cement, compressed fibre cement and cement sheeting products
- * Exterior grade plywood
- * Hebel panels
- * Failed Roof coatings
- * Existing tiles and pavers (in well bonded state)

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 and all brick/block surfaces to be pointed flush. (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 LS membrane must be applied onto primed surfaces:

Gripset GP primer – for general porous vertical and horizontal 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.

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 – asphalt/bitumen surfaces and existing coatings. (suitability over existing coatings to be checked with Gripset Technical services before commencing) 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. Membrane is to be applied over primer slurry while primer is in a damp/wet state, i.e. "wet on wet" application

Gripset P10 or E60 primer – for surfaces with residual moisture or subject to rising damp. Refer to individual data sheets for specific coverage details. Allow respective primer to dry for a minimum 24 hours before applying membrane.

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:	Filled with Gripset SB followed by 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

Application and Coverage

As a membrane system for trafficable areas exposed to weather, it is recommended to apply Gripset 38 membrane or the GC2 system directly over the substrate as the base membrane layer. Gripset LS Roof Coat is then to be applied over as the exposed trafficable coating. Refer to individual data sheets for application details.

Gripset LS Roof Coat is to be applied in a minimum of 2 coats at total coverage of 1.5litres per m2 forming a minimum dried film thickness of 1.0mm. Coverage can be increased for enhanced durability by applying product at coverage of 2litres per m2 to form film thickness of approximately 1.5mm. 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 roller or brush.

Installing Elastoproof Bond Breaker Joint Band

Measure and cut Elastoproof Joint Band for all wall/floor junction areas. Apply first coat of Gripset 38 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 Prefabricated corners are not used, Elastoproof Joint Band is to have bottom leg cut and folded; ensuring fabric is completely bonded with Gripset 38 membrane.

Sealing floor wastes and penetrations

For floor pipes protruding floors, Elastoproof Collars are to be fitted over the neck of the pipe, embedding fabric edges into wet bed of Gripset 38 membrane. For sealing penetrations where Elastoproof product cannot be used, seal around base of penetration at abutment to substrate using Gripset SB sealant followed RF Fabric turned up the penetration and embedded into 38 membrane.

For floor wastes that are finished level with the floor, the Gripset 38 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. Gripset 38 membrane with Gripset RF Fabric embedded is to be applied over edges of flange at floor substrate abutment until total perimeter is sealed. Return 38 membrane down into flange. For alternative sealing option see Elastoproof Butyl Squares.

When the detailing application has been completed apply Gripset 38 membrane to the total floor area and to wall and floor areas as required. A continuous seamless membrane should be the final finish to the total area upon completion of the waterproofing membrane application.

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 use on wet substrates or when rain is imminent.

- * Not to be used for areas subject to vehicular traffic or commercial foot traffic areas
- * Not to be used as a standalone, elastomeric crack bridging membrane. Refer to Gripset P-39 membrane
- * Do not apply when surface temperature is below 5°C or above 35°C.
- * Do not use in areas subject to rising damp or negative hydrostatic pressure.
- * Do not use over glazed surfaces, glass or totally impervious surfaces
- * Allow 10 days drying after final application if treated area is to be flood tested
- * 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 - grey
Form	Heavy viscous paint
Drying	Tack free: 1-2 hours Re-coat: 4 hours Dry film: 24 hours Flood Test: 10 days curing
Based on normal ambient temperatures of 23°C and 50% RH	
*Temperature, humidity and porosity will vary dry times	
Specific gravity	1.56kg/litre
Shore A hardness (ASTM D2240-97)	108
Adhesion to substrates (Erichsen 525 Method)	After 28 days
• Concrete	1.6Mpa
• Compressed cement sheet	1.5Mpa
• Plywood	1.6Mpa
Elongation	45%
Accelerated Weathering (Xenon Arc)	No physical changes after 500hours
Water pressure resistance	Water tight at 1.5 bar for > 50 hours
Water vapour permeance (ASTM E96)	2 g/Pa.s.m ²
VOC Content (ISO 13741 – 1)	0.02g/litre
The VOC Content of Gripset LS is below the maximum VOC Content for Architectural and Interior Sealants as required by Green Star Ratings tools Education v1, Healthcare v1, Industrial v1, Multi Unit Residential v1, Office Interiors v1.1, Office Design v2, Office v3, Office As Built v2 and Retail Centre v1	

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.