

Description

Gripset 59 is a unique high build bitumen compound designed for applications in a range of waterproofing and sealing applications where achieving a thick film build is the primary objective. One of the key features of the Gripset 59 is its ability to be used by spatula or trowel to achieve film build in excess of 10mm in a singular application. Once the cured film is compressed, the waterproofing properties and water vapour transmission properties are further enhanced offering an ideal durable membrane for subterranean applications.



Features & Benefits

- * Solvent free, non-toxic and free of dangerous odours
- * High build properties enabling singular film application >10mm
- * Non sagging on vertical surfaces
- * Forms a flexible waterproof membrane
- * Outstanding adhesion properties over a wide range of surfaces
- * Resistant to sulphates, ground salts, diluted acids
- * Can be applied over damp surfaces
- * Inbuilt root inhibitor
- * High impact and abrasion resistance removing the need for protection board over membrane for subterranean applications

Application

Gripset 51 is suitable for commercial, residential, industrial, rural and automotive applications

Waterproofing Uses

- * Waterproofing underground substrates, retaining walls, garden beds
- * Waterproof patching/filler
- * Waterproofing large construction joints (non expansion joints), e.g. abutments between concrete panels and precast
- * Joint filling
- * Concrete Pipe Sealing
- * Protection of concrete substrates against moisture, salt and chloride attack
- * Insulating cold room structures and freezing chambers
- * Outstanding noise reduction for resonation on metal surfaces

Substrates

Suitable surfaces for bonding Gripset 59 over include:

- * Concrete, render and masonry.
- * Fibre cement, plasterboard and structural sheeting.
- * Clay and concrete blocks/bricks.

- * Galvanised iron and zincalume (not raw steel).

When using over existing paints, membranes, coatings or other surface finishes confirm with Gripset Technical Services for suitability. Gripset 51 can be applied over damp surfaces free of surface water, however this will prolong curing.

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

For general **porous vertical and horizontal building surfaces** pre dampen area with light water mist. Ensure surface area is free of ponding water.

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 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. **IMPORTANT:** Use Gripset 51 for installing Elastoproof and RF detailing systems

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 & Coverage

Gripset 59 is applied by steel float at a maximum film build per application of 5-10mm. Alternatively, product can be applied with a notch trowel. Once the notch trowel has applied product, the flat side of the trowel is to flatten or smooth the film.

As a membrane coating a minimum coverage of 2litres/m² to form a dried film of 2mm or greater is required.

For sealing deep, wide joints, applications should be carried out using a backing rod inside the joint before applying product.

Installing Elastoproof Bond Breaker Joint Band

Measure and cut Elastoproof Joint Band for all wall/floor junction areas. Apply coat of Gripset 51 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 51 membrane.

Sealing floor wastes & 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 Gripset51 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 51 membrane.

For floor wastes that are finished level with the floor, the Gripset 51 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 51 membrane with Gripset RF Fabric embedded is to be applied over edges of flange at floor substrate abutment until total perimeter is sealed. Return 51 membrane down into flange. For alternative sealing option see Elastoproof Butyl Squares.

When the detailing application has been completed apply Gripset 59 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

- * Not to be used as a trafficable surface
- * Do not apply to areas when rain is imminent
- * Do not apply when surface temperature is below 5°C or above 35°C.
- * Not to be applied over glass or glazed surfaces
- * Not designed as a sealant for expansion 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
- * Not to be used as a waterproof membrane in immersed areas. Refer to other suitable Gripset membrane details
- * Safety Data sheet (SDS) available
- * For further information about this product 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 form - Charcoal; Dry - Black
Drying @ 1mm thick	Tack Free: 30-60 minutes
Based on normal ambient temperatures of 23°C and 50% RH	Re-coat: 1-2 hours
*Temperature, humidity and porosity will vary dry times	Full cure: 5 days
	Backfilling: 5 days
Specific gravity	0.78kg/litre
Shore A hardness (ASTM D2240-97)	40
Tensile Strength (AS1145-1989)	0.35MPa
Elongation (AS1145-1989)	250%
Cured Film	
Resistance to water	Excellent
Resistance to diluted alkalis	Good
Resistance to diluted acids	Excellent
Resistance to solvents	Poor

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

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