

## MULTI PURPOSE BITUMEN COMPOUND

[www.gripset.com](http://www.gripset.com)

TECHNICAL DATA SHEET

[techenquiries@gripset.com](mailto:techenquiries@gripset.com)



### Description

Gripset B29 is a versatile high build solvent free bitumen compound suitable for use in a range of industry applications. One of the primary features of Gripset B29 is its unique ability to be used by spatula, roller, brush or spray unit. It is suitable for building/construction, industrial/civil and farming/horticultural applications, offering numerous benefits and advantages as a non hazardous and environmentally safe alternative to traditional bitumen based products.

### Features & Benefits

- \* Solvent free, non toxic and free of dangerous odours
- \* High adhesion properties
- \* Fast drying properties
- \* Non sagging on vertical surfaces
- \* Forms a flexible non tacky film
- \* Excellent water resistance
- \* Outstanding adhesion properties over a wide range of surfaces
- \* Resistant to sulphates, ground salts, diluted acids
- \* Can be applied over damp surfaces

### Application

- \* Gripset B29 is suitable for Construction, Industrial, Rural and Automotive applications

### Uses

#### Industrial/Civil Applications

- \* Lagging
- \* Concrete Pipe Sealing
- \* Protection of concrete substrates against moisture, salt and chloride attack
- \* Insulating cold room structures and freezing chambers
- \* Noise reduction for resonance on metal surfaces
- \* Asphalt sealing and repairs

### Uses

#### Construction/Building Applications

- \* General sealing of surfaces
- \* Damp coursing
- \* Waterproof patching/filler
- \* Plumbing applications
- \* Protective slip layer coating over key joints and dowel bars
- \* Sealer coat on curtain walls before cladding
- \* Protective coating on metal surfaces

#### Farming/Rural Applications

- \* Timber post protection
- \* Wood rot protection
- \* Pruning and grafting
- \* Tree surgery
- \* Protective coating on underside of tanks and metal surfaces in contact with concrete
- \* Silo sealing

### Surface Preparation

Surfaces must be prepared thoroughly before commencing application. All substrates must be structurally sound, stable, dry, and clean. Rough surfaces are to be evened or filled first (refer to Gripset 11Y) and very smooth shiny surfaces should be etched or lightly sanded. Building surfaces must be constructed to manufacturer's recommendations and relevant building standards in force at time of application. Surfaces are to be free of sharp protruding surfaces, 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. For thorough surface preparation, refer to Gripset SC (algae and moss remover) and Gripset DG (water based oil degreaser) products.

### Application & Coverage

Gripset B29 can be applied using different methods and equipment depending on requirements for individual application. On porous substrates, it is recommended to prime the surface. Gripset B29 is self priming, and primer is formed by diluting Gripset B29 1:3 with water, and brush applying primer onto the substrate at a coverage of 1 litre/4m<sup>2</sup>

For spatula/trowel applications, product can be applied at film build of 5mm. If required, wash sand can be added to form enhanced filling properties when used in high build areas. When adding sand, stir into Gripset B29 compound, to ensure even dispersion.

For brush, roller or spray applications, product should be agitated with electric stirrer or mixing by hand. If a thinner viscosity is required a maximum 5% of water (measuring parts by volume) can be added while agitating product. Spray applications require equipment with 2000psi and a minimum 25thou tip (more details can be provided by Gripset Technical Services).

As a protective or sealing coat a total minimum coverage of 1.5litres/m<sup>2</sup> is recommended in a 2 coat application. The 2<sup>nd</sup> coat is to be applied in the opposite direction of the 1<sup>st</sup> coat.

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### Reinforcement

- \* If reinforcement is required over joints, sheet laps or cracked areas, Gripset RF Fabric is to be embedded in between coats of Gripset B29 before the application of Gripset B26. Refer to Gripset B29 data sheet for more information.
- \* If applying over movement areas, subject to expansion/contraction, Gripset Elastoproof Joint bands can be used. Refer to Elastoproof Product Data sheets or contact Gripset Technical Services for more details.

### Storage & Packaging

- \* Best stored at room temperature.
- \* Avoid cold freezing conditions and off concrete floors.
- \* Do not store in direct sunlight.
- \* Shelf life is 12 months in original unopened container
- \* Available in 15 litre pails & 200 litre drums

### Clean Up

- \* In water while wet.
- \* Once dried product needs to be removed mechanically or by solvent.

### 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 Gripset 51 or other Gripset membrane details
- \* Material Safety Data sheet (**MSDS**) available
- \* For further information about this product contact technical department of Gripset Industries

### Technical Data

<b>Appearance</b>	Wet film - dark brown; Dry film – black/charcoal
<b>Specific Gravity</b>	1.1kg/litre
<b>Solid Content (ASTM D-2939/8)</b>	60%
<b>Drying Times (1mm thick)</b>	Tack Free: 30-60 mins Recoat: 60-120 Full Cure: 5 days
<b>Shore A Hardness (ASTM D2240-97)</b>	50
<b>Tensile Strength (AAS1145-1989)</b>	0.35MPa
<b>Elongation (AS1145-1989)</b>	300%
<b>Water soluble</b>	100% Soluble in wet state
<b>Toxicity</b>	Nil
<b>Flammability</b>	Nil

VOC Content (ISO 13741-1)

0.005g/litre

### Cured Film

<b>Resistance to water</b>	Excellent
<b>Resistance to diluted alkalis</b>	Very Good
<b>Resistance to diluted acids</b>	Excellent
<b>Resistance to solvents</b>	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

### Gripset Industries Pty Ltd

ABN: 41 094 789 929

Telephone: +61 (8) 8124-7300 or 1800 650 435

Email: [techenquiries@gripset.com](mailto:techenquiries@gripset.com)

Website: [www.gripset.com](http://www.gripset.com)

### 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.