

PRIMER & WATERPROOF BONDING AGENT

www.gripset.com

TECHNICAL DATA SHEET

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Description

Gripset GP is a unique multi purpose 2 in 1 primer and waterproof bonding agent. It is used as a primer to enhance surface adhesion of Gripset membranes and is also suitable as a tile/paint primer.

As a waterproof bonding agent, Gripset GP improves the bonding strength of cement based compounds while enhancing waterproof properties of mortars, slurries, grouts and cement based adhesives. When used as an additive, Gripset GP is suitable in areas exposed to water, harsh climatic conditions and fully immersed areas.

Features & Benefits

As a primer

- * Excellent adhesion over porous and non porous surfaces.
- * Fast drying, enabling membrane application to be carried out after 20-30 minutes.
- * Economical surface coverage of up to 1 litre/8m².
- * Fully compatible with Gripset membranes, general tile adhesives, renders, mortars and acrylic paints.
- * Suitable for internal and external applications.

As a Bonding Agent

- * Improved bond strength in areas subject to moisture, weather or immersion.
- * Improved water resistance and waterproof properties.
- * Improved crack, frost and salt resistance.
- * Improved durability.

Note: Gripset GP is water based, non toxic, user friendly and environmentally safe.

Application

- * Gripset GP is suitable for commercial, industrial and residential applications

Waterproofing Uses

Primer Application

- * For Gripset membrane applications
- * Tile, rendering and paint primer (acrylic paints only).

Waterproofing Bonding Agent

- * Exposure to weather, e.g. beach fronts, façade walls, feature walls.
- * For high strength screeds and renders.
- * Immersed areas, e.g. tanks, ponds, water features and pools.
- * Patch and repair mortars.
- * Grouts exposed to weather and water.
- * Cement based adhesives for glass blocks, kerb stones, tiles and fixtures.

Note: Must be incorporated into cement based compounds for bonding agent applications

Substrates

Substrates suitable for bonding Gripset GP over include:

- * Concrete, masonry surfaces, renders, screeds.
- * Concrete blocks and aerated concrete
- * Cement sheeting, plaster board and general wet area linings.
- * Marine plywood and wet area particle board.
- * Existing acrylic coatings and Gripset membranes.

Before using over existing paints, membranes, coatings or other surface finishes 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, stable, dry, and clean, with substrate compressive strength a minimum 25MPa and cohesive strength a minimum 1.5MPa. Smooth shiny surfaces to be roughened or etched. Rough surfaces are to be evened or filled first (refer to Gripset 11Y). 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 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.

When using as:

A Primer

- * For Gripset membranes, apply product neat. Do not dilute
- * Paint, tile or render primer:
 - Porous surfaces dilute 1 part Gripset GP : 2 parts water
 - Non porous surfaces use neat, no dilution
- * Can be applied by brush, roller or airless spray.
- * Check porosity of surface with water droplet test. If droplets do not absorb, surface is non porous – check other suitable Gripset primers

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As a Waterproof Bonding Agent

- * Waterproof high bonding slurry coat – mix by volume 1 part Gripset GP: 1.5 parts of cement and brush apply. 2 coats should provide approx. 0.5mm thickness
- * Waterproof render/screed – (0-10mm thick) use a solution of 1 part Gripset GP: 1.5 parts water. For (Thickness of 10mm +) use solution of 1 part Gripset GP: 2.5 parts water.
- * Concrete mix – 250ml of Gripset GP for every 1kg of cement in the render mix. Once Gripset GP has been mixed into mortar, water can be added as required.
- * Grouts and cement based adhesives – use a solution of 1 part Gripset GP: 1 part of water into grout/cement adhesive mix.
- * Can be applied by brush, trowel, steel float and spatula.

Storage conditions

- * Best stored at room temperature.
- * Avoid cold freezing conditions and off concrete floors.
- * Do not store in direct sunlight.
- * Shelf life: Liquid component is 12 months; powder component is 6 months in original unopened packaging.

Packaging

- * 5 litre and 15 litre pails; 200 litre drums, 1000litre IBC

Precautions

- * When using for bonding agent applications, ensure sand is a sharp wash grade. Fresh Portland cement should be always be used, cool and free of lumps. When using as a waterproof render/screed (as detailed above), this is to be applied over a wet coat of primer slurry (as detailed above).
- * Do not use on glass or glazed surfaces.
- * Do not apply over curing compounds, wax/oily surface, fibreglass, plastic or silicone treated surfaces.
- * Not to be used as primer for areas with rising moisture or negative hydrostatic pressure
- * Not to be applied over raw steel or metals unless otherwise specified in this data sheet.
- * Although this product is non hazardous and water based, contents should not be swallowed or inhaled. In case of eye contamination, rinse with clean water and seek medical advice.
- * Material Safety Data sheet (MSDS) available.
- * For further information about this product contact technical department of Gripset Industries.

Technical Data

Form	Thin Liquid
Colour	White
Specific Gravity	1kg/litre
pH	8-9
VOC Content (ISO 13741)	0.2g/litre

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.