

Description

Gripset GC All Purpose is a high strength bedding adhesive for fixing the Gripset GC2 and GC4 sheet membranes over non-absorbent surfaces. Based on a silane technology, GC All Purpose displays powerful fast grab adhesion to substrates for both internal and external applications, exhibiting fast drying and early water resistant properties. Unique primerless properties also enable the All Purpose Adhesive to withstand bubbling phenomena when used over substrates with retained moisture levels (free of water). VOC and isocyanate free, Gripset GC All Purpose Adhesive is user and environmentally friendly.



Features & Benefits

- Environmentally safe and user friendly – free of isocyanates, solvents halogens and VOC's
- Fast curing
- Outstanding adhesion properties
- Excellent adhesion on damp substrates
- Won't bubble on damp substrates
- Primerless adhesion on almost every substrate
- Over-paintable. Can be painted while wet and after complete curing
- Compatible with Gripset liquid membranes

Application

Gripset GC All Purpose is suitable for commercial and residential applications.

Adhesive Uses

- Bedding compound for the GC2 and GC4 membranes over non-absorbent surfaces
- Bedding compound for the GC2 and GC4 membranes over existing coatings for remedial applications*

Note: Always refer to the individual TDS for the Gripset GC sheet variants for suitability for different applications. Suitability for use over existing membrane surfaces to be confirmed by Gripset Industries

Substrates

Substrates suitable for GC All purpose include:

- Dense and steel floated concrete
- James Hardie™ Scyon™ Secura™ external/internal flooring
- Precast and tilt up concrete, glass reinforced concrete
- Hardwood and dense timber surfaces
- Existing ceramic tiles, vitrified tiles and natural stone
- Polymer mortars, synthetic mortars, smooth self-levelling compounds
- Marine plywood and timber sheet surfaces

Surface Preparation

Substrates to which the membrane is to be applied must be structurally sound and stable. All building surfaces which the membrane system is to be applied are to be installed as per manufacturers recommendations, in line with relevant building standards in force at time of the application. Surfaces must be smooth, dry and clean. Highly dense or steel trowelled concrete should be roughened by suitable mechanical means. Rough surfaces, voids, hollows and surface depressions to be evened or filled first and all brick/block surfaces to be pointed flush. All general surface defects including cracks to be filled and repaired – Refer to Gripset 11Y/DM repair mortar and Gripset SB Sealant. All surfaces are to be free of sharp protruding objects, loose material, de-bonded or existing coatings, curing membranes/agents, release agents, wax residues, foreign particles, laitance, algae and moss, grime, oils, animal fats, grease remains and any contaminants that could compromise the adhesion of the overlaid membrane system. Structurally unsound layers and surface contaminants are to be mechanically removed by abrasive blasting, blast tracking, grinding, high pressure cleaning or equivalent methods. Leak control flanges are to be rebated into floor surface enabling lip of flange to sit flush with surrounding substrate.

Priming

Priming is generally not required on clean, prepared substrates. If required, surface can be lightly pre-dampened or primed with Gripset E60 or OP Primer.

Application

Gripset GC All Purpose Adhesive is applied using 2.4mm V notch trowel Apply adhesive onto the surface, ensuring 100% coverage to where the GC sheet membrane is to be laid. Minimum film thickness of adhesive should be 1mm. Unroll the GC membrane into the wet bed of adhesive and using a flat steel float, smooth roller or similar, press the sheet into the adhesive to ensure a firm bond to the adhesive bed, removing any air pockets or excess adhesive.

IMPORTANT: Avoid pedestrian traffic directly over the installed GC sheet while adhesive is still in a wet state. It is advisable to lay corflute or other protective board directly over the GC sheet to allow for traffic and when installing the Elastoproof Bond Breaker System

Adhesive Coverage

When applying the adhesives to surfaces, a minimum 1mm wet bed of adhesive is to be formed. Adhesive coverage is dependent upon surface condition and will vary accordingly as uneven surfaces will require greater coverage to achieve the required bed thickness.

General consumption for the All Purpose Adhesive is approximately 1.2m² per kg applied with a 2.4mm V notch trowel.

A 16kg pail of Gripset All Purpose Adhesive will cover approx. 19m² of area to adhere the GC sheet to the surface.

Storage conditions

- Best stored at room temperature in dry conditions, indoors.
- Avoid cold freezing conditions and off concrete floors.
- Do not store in direct sunlight
- Shelf life: 12 months in unopened packaging

Packaging

- 16kg pails

Precautions

- Flood testing able to commence after 24 hours of finished application.
- If pre-dampening surfaces, ensure surface is free of ponding water.
- Do not apply when surface and ambient temperatures are below 5°C or above 30°C
- Ensure surfaces are free of frost and ice.
- Not to be used in areas where solvent or petroleum based products may be spilled.
- All finish coatings over this adhesive must be water based and solvent free.
- Safety Data sheet (SDS) available.

Clean up

- Product needs to be removed solvent. Dried product can be removed mechanically or by solvent

TECHNICAL DATA

Appearance	Wet and dry film - Beige
Form	Viscous Paste
Drying	Working Time: 15 minutes Tack Free: 2 hours Dry film – 4 hours Set time: 12 hours Flood test: 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	1.6kg/litre
VOC Content	Nil

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.