



## High grade rubber tile adhesive

**Description** Gripset C-Flex is a premium grade ceramic tile adhesive designed for use in high performance applications on walls and floors for internal and exterior areas. Gripset C-Flex is a polymer modified cement based tile adhesive that displays exceptional bonding properties, excellent water resistance, enhanced impact noise reduction and flexibility to accommodate shrinkage movement associated with early age concrete, renders and screeds. Able to be applied over concrete that has been cured for a minimum of 7 days and screeds/renders cured for a minimum of 16 hours.

**Features & benefits**

- Suitable for bonding a variety of tile types.
- Flexible for structural sheeting floors and walls. Also accommodates limited building movement up to 1mm.
- Quick drying properties, enabling foot traffic over surfaces after 12 hours.
- Ability to use over early age concrete and mortars, avoiding delays of waiting for full curing periods.
- Compatible and guaranteed over the Gripset membrane range (refer to individual product specifications).

**Application** Gripset C-Flex is suitable for commercial, residential, industrial and rural applications.

**Tiling uses**

- Wet area walls and floors, including shower areas.
- Balconies, decks and podium slabs.
- Suspended concrete slab floors.
- New concrete floors (cured minimum 7 days).
- Substrates subject to thermal and shrinkage movement.
- Suitable for bonding a range of tiles including terracotta, monocatura, porcelain, quarry tiles and general ceramic surfaces. *Not suitable for "green" marble.*

**Substrates** Substrates suitable for bonding Gripset C-Flex over include:

- Concrete and screed/render mortars.
- Cement sheeting.
- Plasterboard.
- Aerated concrete.
- Timber sheeting. *Not recommended for tiling directly over any exterior timber surfaces or timber exposed to moisture.*
- Gripset membranes, primers, slurries.

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. 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.

**Priming**

- For application directly over Gripset membranes, priming is not required. Dried membrane surfaces must be clean, dry and free of dust and foreign particles.
- Gripset GP primer – for general porous building surfaces or Gripset membranes that have been exposed for greater than 72 hours.
- Gripset 11Y slurry/primer - for commercial floors, immersed areas, extremely porous surfaces, non porous surfaces, sheet membrane surfaces, and asphalt/bitumen.

**Mixing**

1. Mix approx 4-5 litres of clean water per 20kg of Gripset C-Flex.
2. Using an electric stirrer at a slow-medium speed, ensure powder is completely dispersed into water forming a trowelable viscosity. Mix enough product to be used within 2 hours at normal ambient conditions (20°C and 50% relative humidity).
3. Allow product to settle for approximately 5 minutes then lightly re-stir before use. If product is left undisturbed in external conditions it may thicken, therefore it is recommended to regularly stir during use.



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### Application of tiles

- Before fixing tiles, ensure the back of tiles are clean and free from dust
- Select an appropriate notched trowel for selected tile size and ensure 100% coverage of adhesive is achieved. Once tile is placed an even adhesive bed should be formed between substrate and tile back. This is particularly important on membrane surfaces, preventing empty voids between the sealed surface and tile backs.
- Spread the adhesive evenly over the substrate and bed tiles while adhesive is in a wet state. Press and slide the tile at right angles to the notched line of the adhesive to ensure 100% coverage to tile backs. It is recommended to randomly lift tiles during the application to ensure no voids remain between the tile back and substrate. For large tiles with deep rear keys or patterns (e.g. quarry tiles, terracotta tiles etc) it is recommended to "butter" adhesive to the backs of the tile before placing into the notched pattern of adhesive.
- DO NOT allow tile adhesive to skin prior to bedding tiles as this will compromise correct adhesion.
- Tile type and size will determine bed thickness of adhesive. Gripset C-Flex should not be applied at a bed thickness of greater than 10mm or less than 1.5mm.
- Remove surplus adhesive from tile surface and joints before the adhesive sets
- All tiling practices must comply with AS 3958.1 - 2007

### Drying Time

Approximately 8 hours in normal ambient conditions (20°C and 50% relative humidity). Allow longer for: dense tiles; over waterproof membranes and sealed surfaces; humid conditions and cold temperatures.

### Storage conditions

- Best stored at room temperature in a dry area.
- Avoid cold freezing conditions and off concrete floors.
- Do not store in cool, humid or outdoor areas.
- Shelf life is 12 months in original unopened bag when the above conditions are met.

### Packaging

- 20kg bags

### Precautions

- Floor areas must have appropriate graded falls
- Not recommended for immersed areas, use Gripset C-Set adhesive
- Not suitable to bond directly over metals, fibreglass or glazed surfaces
- Not suitable for fixing "green" marble.
- When applying over timber floor sheeting, substrates must be fixed both by adhesive and mechanical (screwed) means. Nail fixing is not satisfactory.
- Material Safety Data sheet (**MSDS**) available.
- For further information about this product contact technical department of Gripset Industries.

### Clean up

While in a fresh or damp state, Gripset C-Flex can be cleaned off with water, damp sponge or wiper. Once adhesive is dried, residue will need to be removed mechanically.

### Technical data

<b>Appearance</b>	Off white/ light grey powder
<b>Bulk / Density</b>	1.25kg/litre

*At 20°C and 50% relative humidity:*

<b>Open Time</b>	30 minutes
<b>Pot Life</b>	2 hours
<b>Setting Time</b>	12 hours
<b>Sagging</b>	None
<b>Adjustability Time</b>	45 minutes
<b>Tensile Adhesion Strength</b>	0.7 MPa
<b>After heat ageing</b>	0.7 MPa
<b>After freeze thaw cycle</b>	0.6 MPa

### Contact details

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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.