

WATER RESISTANT POLYMER ENHANCED SCREED

www.gripset.com

TECHNICAL DATA SHEET

techenquiries@gripset.com



Description

Gripset C-Bed is a premium grade, polymer enhanced cementitious compound designed for high performance screeding applications in critical areas.

The unique polymer formulation allows Gripset C-Bed to maintain high strength at low builds, enabling feathered finishes without the use of proprietary bonding agents or additives. With excellent water resistance, Gripset C-Bed is ideal for use in areas subject to continuous moisture, and reduces the risk of efflorescence associated with traditional sand/cement screed blends.

Outstanding adhesion and fast drying properties enable application of Gripset pre mixed membranes or tile finishes after only 16 hours. Gripset cementitious systems can be applied after only 4 hours.

Conveniently available in premixed bags, Gripset C-Bed provides enhanced workability and superior finishes for new and remedial applications

Features & Benefits

- * Time saving - ready for direct use.
- * Conveniently pre bagged – highly portable for mixing on sites with room restrictions
- * OH&S friendly
- * Does not require additives or admixtures
- * Quality control of screed batches overcoming inconsistent site mixes
- * Pre-bagged quality maintains mix consistency and avoids potential contamination of site mixes
- * Excellent water resistance
- * Reduced water demand and associated shrinkage
- * Reduces risk of efflorescence
- * Enhanced adhesion properties
- * Provides high strength at low builds for feathered finishes
- * Fast drying
- * Provides a quality surface finish
- * Excellent workability
- * Can be used directly over Gripset wet area membranes

Application

- * Gripset C-Bed is designed for enhanced screeding applications in commercial and residential applications

Uses

- * Shower alcoves
- * Balconies & Decks
- * Podiums
- * Rooftop terraces
- * Planter boxes, roof gardens
- * Screeds applied over or under membranes
- * General areas subject to moisture
- * Directly over Gripset under tile membranes

Substrates

Substrates suitable for bonding Gripset C-Bed over include:

- * Concrete, and masonry
- * Fibre cement sheeting and structural wet area sheeting (when used in conjunction with Gripset wet area systems)
- * Gripset wet area membranes

For further information on suitable surfaces and substrates 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. 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 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

Pre dampen: Porous surfaces can be pre dampened with a light water mist prior to application

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 11Y slurry – for enhanced adhesion over aged surfaces. Brush apply to substrate at coverage of 1 litre per 3m². Gripset C-Bed can be applied over primer slurry while primer is in a damp/wet state, i.e. "wet on wet" application

Detailing

Gripset C-Bed is not to be applied over floor movement joints. Ensure joints are maintained through screed, tile adhesive and tile.

*Refer to Gripset Elastoproof Joint Band for waterproofing of movement joints

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Application

In a clean bucket add 1 litre of clean water. Slowly add C-Bed powder to the water and mix continuously while the powder is added. Using an electric/mechanical stirrer with a paddle attachment at a slow-medium speed, mix the dry component until it is evenly dispersed into the liquid and a homogenous, lump free consistency is formed. More water can be added if needed to achieve the desired consistency. Larger batches can be mixed in cement mixers.

Allow the mix to settle for 3-5 minutes then re-stir before use. Pot life once mixed is 60-75 minutes; however this may be reduced in warmer weather.

Once mixed, spread the wet screed over the floor area to designated falls required using mortar trowel tools and equipment needed.

General

1 x 15 kg Bag of Gripset C-Bed will cover approximately 0.8m² @ 10mm thickness.

Note: Coverage will vary based on surface porosity and surface condition e.g. roughness, evenness etc.

Precautions

- * Not recommended for use over timber or metal substrates
- * Not to be used in immersed environments as an exposed finish
- * Gripset C-Bed consists of cement products which may contain crystalline silica, therefore when using this product precaution must be taken to prevent long term exposure to dust.
- * Material Safety Data sheet (MSDS) available.
- * For further information about this product contact technical department of Gripset Industries.

Clean up

- * With soapy water while in a wet state.
- * Once dried product needs to be removed mechanically.

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: 64 137 930 093

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

Email: techenquiries@gripset.com

Website: 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.

Technical

Appearance	Grey Powder
Form	When mixed – mortar consistency
Drying	<p>Based on normal ambient temperatures of 20°C *Temperature, humidity and porosity will vary dry times</p> <p>Touch Dry: 4 hours Tiling/toppings over: 16 hours</p>
Pot Life	1-1.5 hours
Mixing ratio	1.0-1.5 litres of water per 15kg bag
Specific gravity of powder	2.64
Water Absorption	<p><10% after 48 hour immersion <3% after 48 hour water spray</p>