



Description

Gripset C-Bed is a ready-to-use, slump-free and shrinkage compensated engineered screed suitable for internal and external applications. Mixed screed accepts light foot traffic after 8 hours and can be tiled over in 24 hours

Features & Benefits

- Easy, fast application
- Can be applied directly onto prepared concrete surfaces
- Eliminates the need for sand and cement screeds
- Dimensionally stable- will not crack
- Suitable for screed applications from 5mm up to 200mm in thickness
- Excellent adhesion to prepared substrates
- Pre-blended. One pack product eliminating on-site batching and ensures consistency of mixed product
- Australian Made
- Reduces down time. Waterproofing compounds and most floor coverings can be overlaid on cured product. (Refer Gripset technical services)

Uses

- Can be used in residential commercial and any application where an internal and external engineered floor screed is required
- Underlayment for floor coverings such as carpet, ceramic tiles, vinyl, parquetry etc.
- Repairs of uneven concrete floors
- Residential, commercial and medium industrial application
- New construction and refurbishment projects.
- Building up ramp areas prior to application of floor coverings
- As an insitu shower base with required falls to drain
- Building ramps or falls to floors

Surface Preparation

- All surfaces are to be clean, sound, smooth, dry, and free from loose material, dirt, dust, oil, grease, wax residues, curing compounds, release agents, existing coatings, moss, algae, sharp protruding objects and general surface contaminants that may compromise the adhesion of the overlaid primer
- Building surfaces must be fit for purpose and constructed to manufacturer's recommendations and relevant building standards in force at time of application
- Concrete substrates must be at least 14 days old
- Structurally unsound layers and surface contaminants to be mechanically removed by grinding, abrasive blasting or equivalent methods.
- Substrates must not exceed 75% RH or 5% moisture content when measured as per ASTM F2170, or ASTM F1869. Refer to [GRIPSET E60](#) or for suitability over damp surfaces
- Substrates subject to active moisture or rising damp must be treated with [GRIPSET E60](#)

Priming

- C-Bed must be applied over a primed surface
- **Gripset 11Y** slurry primer is recommended for optimal adhesion to surfaces

11Y Slurry Primer:

1 part Gripset 11Y
1 part fine, dry wash sand
1 part cement

Note: Parts measured by volume

Application

- Mix components by mechanical mixer until a fluid slurry consistency is formed and all components are suspended in the mix
- Apply slurry primer to surface by medium nap roller or soft bristle broom at 0.5-1.0mm wet film thickness
- C-Bed to be laid over a damp coat of 11Y slurry primer as a "wet on wet" application for optimum adhesion

Note: Periodically re-stir slurry mixture as necessary to prevent dry components settling

Mixing

- C-Bed requires 1.8L litres of clean water per 20kg bag and is best mixed with a forced action, high shear stirrer, powered by a heavy duty electric mixing drill at approx. 600 rpm.
- Add pre-measured water to a clean mixing bucket.
- Gradually add C-Bed into the water whilst continuously mixing the contents of the bucket.
- When the entire contents of the bag have been added to the water, mix for a further two (2) minutes to produce a smooth homogenous consistency
- Discard any C-Bed that has hardened or stiffened in the mixing

DO NOT MIX BY HAND AND DO NOT ADD EXCESS WATER.

Placing

- Install C-Bed mix onto a wet/damp coat of the 11Y slurry primer as a wet on wet application for optimum adhesion
- It is advisable to mix up quantities that will be used within the working time and it is recommended to work in small areas.
- Minimum installation thickness is 5mm

IMPORTANT:

- The addition of water to C-Bed after it has started to stiffen is not recommended. Any C-Bed that has not been placed whilst still pliable should be discarded if not able to be used within 120 minutes as hardening will occur
- Installed areas to be protected from direct sunlight or drying winds during cure to prevent rapid drying

For Filling

When filling holes and voids, apply C-Bed into the hole and compact well by applying firm pressure to the trowel ensuring C-Bed comes into total contact with the substrate. It is recommended to leave the repair proud of the hole or for approximately 10 minutes, then trim off the excess and finish off with a damp steel trowel. As soon as the C-Bed has hardened, the area can be levelled over with C-Level if required

GRIPSET® C-BED

PREMIUM GRADE SCREED



TDS

TECHNICAL DATA SHEET

Curing

Minimum 24 hours

Note: Drying times may vary subject to ambient/surface temperatures, humidity and screed thickness

Coverage

A 20kg bag of C-Bed will cover approximately 2m² at 5mm thickness.

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

Thickness	Coverage per 20kg Bag
5mm	2m ²
10mm	1m ²
20mm	0.5m ²
30mm	0.3m ²
40mm	0.25m ²
50mm	0.2m ²
100mm	0.1m ²

Precautions

- Not recommended for use over timber or metal substrates
- Not to be used in immersed environments as an exposed finish
- 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.
- Do not over water
- Do not hand mix
- Always check moisture content in large/ thick applications prior to laying floorcoverings
- Do not use in areas subject to hydrostatic head of pressure without use of Gripset E60 moisture barrier,
- Do not use in areas subject to constant water immersion

Clean up

- C-Bed should be removed from tools and equipment with clean water immediately after use.

Storage

- Best stored at room temperature.
- Avoid cold freezing conditions and off concrete floors.
- Do not store in direct sunlight.
- Shelf life: Approx. 12 months if kept in a dry environment
- Safety Data Sheet (SDS) available.

PRODUCT INFORMATION

Appearance	Grey Powder
Bulk Density	1.71
Wet Density	2.16
Application Temperature	5°C to 35°C

Application at 23°C 50% Humidity

Working time	≥3 hours
Setting time	4 hours
Light foot traffic	8 hours
Waiting time for floor finishes	Ceramic Tiles: 24 hours Timber Floors: 5 Days

PERFORMANCE

Age	Flexural Strength (MPa)	Compressive Strength (MPa)
1 Day	≥2	≥7
7 Days	≥5	≥20
28 Days	≥6	≥30

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. 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 RLA Technical Services before commencing the application. A written confirmation will then be issued by RLA 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. RLA Polymers 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

