

Description

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



Recommended uses

- Can be used in residential commercial and any application where a 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
 - Application thicknesses up to 200mm in a single 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
- Ideal for building ramps or falls to floors

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
- Excellent adhesion to prepared substrates
- Pre-blended. One pack product eliminating on-site batching and ensures consistency of mixed product
- Australian Made
- Repair of internal and external sub floors and concrete stairs and ramps
- Reduces down time. Waterproofing compounds and most floor coverings can be overlaid on cured product. (Refer Gripset technical services)

Prior to carrying out application the substrate must be primed: For Porous Substrate: must be primed with Gripset GP Primer For Non-Porous: must be primed with Gripset Xpress SP primer New concrete floors must be at least 14 days old

Priming

Porous Floors:

Prime the clean dust free concrete substrate with Gripset GP Primer for porous substrates using a brush, broom or roller.

Allow primer to reach a tacky consistency before applying C-Bed. Approximate drying time of the primer is 20 -30 minutes at 50% RH and 25 °C. Extremely porous substrates such as weather damaged slabs, aerated light weight concrete etc, may require a second coat of primer to avoid pinholes or bubbles in the screed. If a second coat is required allow the first coat to dry prior to application of consecutive coat. Apply primer at 6 m²/litre. Brush out ponded primer to allow for an even application and ensure primer is completely dry prior to the application of C-Bed.

DO NOT APPLY TO UNPRIMED SURFACE.

Primed areas should receive C-Bed as soon possible after the primer becomes tacky to avoid dust and surface contamination effecting adhesion of the C-Bed to the primer. For concrete substrates that contain greater than 5.5% moisture content or are subject to greater than 70% relative humidity, rising damp or moisture - it is imperative that a moisture barrier is required. It is recommended that Gripset E60 be used. E60 should be used as a vapour barrier prior to the application of C-Bed, it is to be applied in accordance with E60 Technical Data Sheet. Floors treated with E60 should be treated as a non-porous surface and primed with SP Primer.

Non-Porous Floors:

For application of EconoScreed to non-porous substrates use Gripset Xpress SP primer.

Contact your nearest Gripset office for Technical Data Sheet.

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.

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

Discard any C-Bed that has hardened or stiffened in the mixing

Placing

It is advisable to mix up quantities that will be used within the working time and it is recommended to work in small areas.

For Filling

When filling holes and cracks, apply the C-Bed into the hole well. Ensure the C-Bed comes into total contact with the substrate by applying firm pressure to the trowel. It is recommended to leave the repair proud of the hole or crack for about 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

Curing

Minimum 24hr curing is required.
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.

Coverage

For a 20kg bag of C-Bed mixed with 1.8 liters of clean water: This quantity will cover approximately 10m² at 1 mm thickness. C-Bed can be installed to any thickness in a single application. Refer to Gripset for additional information on application

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

Thickness	Area m ² per 20kg bag
5mm	2.038m ²
10mm	1.020m ²
20mm	0.509m ²
30mm	0.339m ²
40mm	0.255m ²
50mm	0.203m ²
100mm	0.101m 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.
 - Safety Data sheet (SDS) available.
 - For further information about this product contact Gripset technical department.
- Concrete substrates must be at least 14 days old
- Do not over water
- Do not hand mix
- Check moisture content in large/ thick applications prior to laying floorcoverings
 - Protect from direct sunlight or drying winds during cure
 - Do not use in areas subject to hydrostatic head of pressure without use of 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.

Performance Properties

General	
Appearance	Grey powder
Bulk density (kg/dm ³)	1.71
Wet density (kg/dm ³)	2.16
Application temperature	5°C – 35°C

Performance			
Age	Flexural strength (MPa)	Compressive strength (MPa)	Residual moisture (%)
1 day	≥ 2	≥ 7	≥ 3
7 days	≥ 5	≥ 20	≥ 2
28 days	≥ 6	≥ 30	—

Application at 23°C / 50% R.H	
Working time	≥3 Hours
Setting time	4 Hours
Light foot traffic	8 Hours
Wait time before floor covering	Ceramic tiles 24 Hours Timber Floors 5 Days

Storage - shelf life

C-Bed has a shelf life of approx. 12 months if kept in a dry environment away from moisture. For further information consult Technical department.

Safety Precautions

Avoid contact with skin. Protective gloves and clothing are recommended when mixing or using this product. Please refer to full SDS (safety data sheet) for this product, which is available upon request or through www.Gripset.com

Disclaimer: The information supplied is to the best of our knowledge true and accurate. The actual application of the product is beyond the manufacturers control. Any failure or damage caused by the incorrect usage of the product is not the responsibility of the manufacturer. The manufacturer insists that all workmanship must be carried out in accordance with AS 3958.1-2007. It is also the responsibility of the end user to ensure that the literature in their possession is the latest issue.