

BGC COMPRESSED FLOORING

High-density compressed fibre cement sheeting is a substrate for interior floors in framed-construction wet areas. Suitable for upper stories and transportable buildings and for use in the cladding of exterior decks.

APPLICATION

Substrate in interior wet areas and cladding of exterior decks.

AUSTRALIAN STANDARDS

Manufactured to conform to the requirements of AS2908.2 Cellulose-Cement Products and are classified as Type A Category 5 for external use.

Tested in accordance to AS1530.3.

INSTALLATION

The BCA (Building Code of Australia) specifies that all floor structures be designed in accordance with AS1170.1-2002 'Structural design actions: Part 1 - Permanent, imposed and other actions'. This standard specifies the loading conditions that the floor must be able to sustain. All dead and live loads that a floor is subjected to must be combined and factored in accordance with AS1170.0-2002 'Structural design actions: Part 0 - General principles'. For further details on loads, please refer to the BGC Compressed Fibre Cement brochure.

Wet Area Tiled Floors

BGC Compressed Flooring is suitable as a substrate for ceramic tiled floors in the wet areas such as bathrooms and laundries.

Sheet joints must be sealed using HydrEpoxy 501 or similar. Thoroughly clean the edges to be joined using a wire brush. Butter the edge of the fixed sheet with the epoxy resin then slide the next sheet into position ensuring an adequate film of adhesive fills the joint. Do not fix adjacent sheets and then attempt to fill the joint in-situ. Hint: Placing a strip of masking tape along each sheet edge before jointing will reduce clean up. Removing the tape immediately after sealing will leave the area clear of sealant and scuffmarks.

Perimeter flashing or in-situ membrane bonded to BGC Compressed Flooring, using a two part flexible epoxy resin eg. HydrEpoxy 501 or equivalent. The perimeter flashing may be a preformed PVC angle or a waterproof flashing strip such as Hypalon. It must extend 150mm minimum up the wall and 50mm across the floor. The corner detail must be waterproof as per AS3740.

The flashing or membrane must not be bonded to the wall studs.

The BGC Compressed Flooring should be laid across the floor joists. All sheet joints must be sealed with HydrEpoxy 501 or equivalent.

Lay waterproof membrane over the flooring at a minimum of 150mm up stand of the perimeter flashing. The membrane must be dressed into the floor waste.

Lay a mortar bed (screed) over the BGC Compressed Flooring to produce a 1:60 fall to the waste drain. Minimum screed thickness of 25mm.

For further details on installation in shower recesses please refer to the BGC Compressed brochure.

Interior Tiled Floors

In areas where floor waste drains are not required, for example kitchens, ceramic floor tiles may be fixed directly to the BGC Compressed Flooring. BGC Compressed Flooring should be laid across the floor joists. Use a proprietary tile adhesive conforming to the Australia Standards AS2358 – Adhesives – for fixing ceramic tiles and AS3958.1 – Ceramic tiles – Part 1 – Guide to the installation of ceramic tiles.

Thoroughly clean the edges to be joined using a wire brush. Butter the edge of the fixed sheet with the epoxy resin then slide the next sheet into position ensuring an adequate film of adhesive fills the joint. Ensure the tiles do not bridge the sheet joints. Do not fix adjacent sheets and then attempt to fill the joint in-situ.

Exterior Decking

BGC Compressed Flooring can be used as the substrate for a variety of exterior decking applications such as above ground pool surrounds, verandas and sun decks.

All decks shall have a fall of at least 1:100 to an outside edge. The use of internal sumps in decking is not recommended. A step down, of at least 50mm should be provided at any doorways onto the deck. Framing is required to support all sheet edges. The exception being the outer edge of decks with a drip mould is installed. A minimum gap of 5mm is required between sheets. A 10mm foam-backing rod is placed in the gap, which is then sealed with a polyurethane sealant. This gap needs to be taken into account when setting out the framing. For example for 1200mm wide sheets at a nominal 600mm framing centres the actual framing centres will be: $1205 / 2 = 602.5\text{mm}$. (Round to 603mm and leave 6mm gap between sheets).

Lay the sheets with long edges across the joists, with the ends of sheet supported on the centre line of the joist. For exterior decking applications leave a 10 mm gap between sheets to allow for movement. Insert a 10mm backing rod into the gap and seal with a Polyurethane flexible sealant. Do not bridge sheet joints. With ceramic tiles, ensure tile joints and sheet joints correspond.

Refer to the BGC Compressed brochure for complete installation instructions –
www.bgcinnovadesign.com.au

This Product specification must be read in conjunction with the current BGC Fibre Cement product brochure. All BGC products must be installed and maintained in accordance with the relevant product brochure. Please refer to the current product brochure for warranty information.