

BGC DURALINER™ PLUS

BGC Duraliner™ Plus is a general-purpose fibre cement building board. Designed for flush jointing, BGC Duraliner™ Plus is effective for use in wet areas, interior linings, ceilings, as a substrate for ceramic wall tiles and for fire and acoustically-rated interior walls. BGC Duraliner™ Plus can also be specified for soffits and other external applications where there will be no direct impact from the weather.

APPLICATION

General purpose interior wet area and exterior lining.

AUSTRALIAN STANDARDS

Manufactured to conform to the requirements of AS2908.2 Cellulose-Cement Products and are classified as Group 1. Tested in accordance to AS1530.3.

INSTALLATION

Interior Applications

When BGC Duraliner™ Plus is to be covered with tiles it is essential that it is fixed with nails or screws only. No adhesive is to be used. The thickness of tiles used over Duraliner™ Plus is restricted based on the stud centres and thickness of Duraliner™ Plus.

Appropriate support angles are recommended for tiles exceeding 18mm in thickness. The placement and type of angle to be determined by a structural engineer. Contact your local BGC Fibre Cement office for further information.

Membrane and tiles are to be applied as per Australian Standards and manufacturer's recommendations.

BGC Duraliner™ Plus sheets may be fixed vertically or horizontally. However, most flush jointed applications suit horizontal fixing.

Adhesive fixing must not be used where the wall is to be finished with wall tiles. Where the wall is to be tiled, nail or screw fasteners must be used. For fixing of BGC Duraliner™ Plus to stud walls in untiled applications, stud adhesive can be used. Daubs of adhesive are to be applied to the studs at a maximum of 250mm centres. The daubs of adhesive are to be approximately 25mm diameter.

Nail or screw fasteners are still required at 200mm centres on the sheet ends and 600mm along edges. These are concealed within the flush finishing. The BGC Duraliner™ Plus sheet must be pressed onto the adhesive until it sits flat. Temporary blocking or props must support the centre of the sheet until the adhesive is dry (normally 24 hours). Adhesive daubs must never coincide with fasteners. Adhesive fixing must not be used in fire rated construction.

If a continuous run of sheeting exceeds 4.2m for tiled areas, or 6m for un-tiled areas, then it must be broken with a movement control (expansion) joint. BGC Fibre Cement recommends the provision of a control joint every 4.2m in case tiling is undertaken at a later date. For tiled areas the control joint must carry through the framing, sheeting and tiling. For un-tiled areas the use of a Rondo P35 or Peer PXJ30 jointing kit is recommended.

Exterior Applications

Wet areas are walls in shower alcoves or surrounding a bath that include a shower. BGC Duraliner™ Plus provides a suitable substrate for ceramic tiles in these applications.

Semi-wet areas are walls adjacent to sanitary fittings such as baths, basins and toilet suites. BGC Duraliner™ Plus is a suitable substrate for ceramic-tiles, paint, wall-paper or vinyl finishes in these applications. Satisfactory performance of wet area systems depends on strict adherence to the Building Code of Australia.

The inside edge of the shower base up-stand must fit in behind the BGC Duraliner™ Plus without distorting it. To achieve this, the studs and bottom plate can be notched out, maximum 20mm, or alternatively battens can be used to set the BGC Duraliner™ Plus clear of the framing. A PVC angle or waterproof lining (membrane) should be fixed in the internal corner behind the BGC Duraliner™ Plus. This angle must project inside the shower base up-stand.

It should start 6mm above the shower base rim and extend to a minimum height of 1800mm. Both flanges of the angles should be nailed to the framing at a maximum 600mm centres.

For more details on Wet Area installation. Flush joining and Wet Area Joining please refer to the BGC Duraliner™ Plus brochure. It should start 6mm above the shower base rim and extend to a minimum height of 1800mm. Both flanges of the angles should be nailed to the framing at a maximum 600mm centres.

For more details on Wet Area installation. Flush joining and Wet Area Joining please refer to the BGC Duraliner™ Plus brochure.

Brick or Masonry Walls

BGC Duraliner™ Plus can be used to cover brick and masonry construction to obtain a smooth flat finish for subsequent decoration or tiling.

Sheets may be installed horizontally or vertically. Ensure wall is:

- Clean and dry
- Free from contaminants such as dust, oil or grease which will prevent good bonding.

Using a good quality plaster based masonry adhesive, such as BGC Masonry Adhesive, apply 50mm x 15mm high daubs of adhesive to the wall. Daubs must be applied at a maximum spacing of 450mm throughout the body of the sheet and less than 50 mm from all sheet edges. It is recommended that the daubs be spaced at 200mm centres around the sheet edges, particularly if cornices or architraves are to be fitted.

Position the BGC Duraliner™ Plus sheets so that they are 6mm clear of the floor. Press the BGC Duraliner™ Plus lining into the adhesive, ensuring the sheet finishes flat and true; use of a straight edge is recommended. Apply temporary restraints, either props or nails into the base wall mortar joints until the adhesive is dry – normally 24 hours. Nail the temporary restraints at about 600mm centres around the sheet perimeter and at about 1200mm centres in the body of the BGC Duraliner™ Plus.

Control joints should be installed:

- To coincide with any movement control (expansion) joints in the structure.
- At the junction of any dissimilar base wall type or construction.
- To break any continuous run of BGC Duraliner™ Plus greater than 4.2m.

For more details on fixing to brick or masonry walls please refer to the BGC Duraliner™ Plus brochure.

Refer to the BGC Duraliner™ Plus brochure for complete installation instructions –
www.bgcinnovadesign.com.au