

# EXTERIOR CLADDING - PRODUCT SPECIFICATION

## BGC Duratex™

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### **BGC DURATEX™**

BGC Duratex provides a tough, durable, waterproof and fire resistant wall cladding system. Duratex™ provides a solid substrate for applied decorative finishes when combined with proprietary jointing and coating systems. Duratex™ is suitable for lightweight construction and features a factory-applied blue tint to help in identification.

### **APPLICATION**

Exterior base sheets for decorative and textured finishes

### **AUSTRALIAN STANDARDS**

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

Tested in accordance to AS1530.3

### **INSTALLATION**

BGC Duratex™ must be joined over a stud and the ends of the sheet to be supported by the top/bottom plate. Butt sheets tightly together except where control joints are employed or at an internal corner. On internal corners leave a 3~5mm gap for polyurethane sealant. At external corners, the sheet joint must finish flush - do not leave any gap. Vertical fixing of sheets is recommended. When fixing more than one sheet high, vertical joints must be in line.

BGC Duratex™ sheets are to be installed vertically and fixings to be spaced at a maximum of 200 mm centres. For details on bracing see the BGC Duratex™ brochure. Do not place fixings closer than 12mm from sheet edges, or closer than 50mm from sheet corners. The sheet must be held firmly against the framing when fixing to ensure breakout does not occur on the back.

Where a continuous wall is longer than 4800mm but no longer than 6000mm, a vertical relief joint must be incorporated in this wall structure. Where the continuous wall is over 6000mm in length, a full vertical control joint is required at a maximum of 6000mm. The vertical control joint must form a complete break in the structural element, including the top and bottom plates and not just the sheet cladding. Use square cut edges to form these movement joints. Relief and control joints require a 6mm gap between sheets and are best incorporated in the structure at window and door openings or behind where a downpipe is to be located.

Horizontal Relief Joints must be provided if the wall height exceeds 5400mm or wherever floor joists occur (this is imperative if non-kiln dried timber floor joists or framing is used). Alternatives to this relief joint are:

- To use a horizontal "Z" flashing strip.
- Let the floor joists overhang the top plates of the lower floor to create a sealed sheet overlap.

BGC Duratex™ must not be applied to nominal horizontal surfaces such as the tops of parapets, sills, decking up stands, etc. These surfaces must be sloped a minimum of 15 deg to the horizontal for light-texture finishes, or a minimum of 30 deg for heavy-texture finishes. The alternative is to install a fully sealed and waterproof membrane system immediately under the cladding on the horizontal surface or install a capping.

Proprietary joint and coating systems for fibre cement sheets have been developed by a number of coating manufacturers and must be applied by applicators recommended as suitable by the joint and coating manufacturer.

**Refer to the BGC Duratex™ brochure for complete installation instructions – [www.bgcinnovadesign.com.au](http://www.bgcinnovadesign.com.au)**