

This document replaces the technical details in BGC External Cladding brochure July 2007 and BGC Stonesheet Technical Update June 2008.

This document is to be read in conjunction with BEAL Appraisal C807 BGC Stonesheet and Render Tape for use with manufactured or natural stone slip veneers.

## Product Description

BGC Stonesheet is a purpose designed Fibre Cement sheet for external application. It is recommended as a backing board for stone slip substrates on Timber framed buildings.

BGC Render Tape is a single-faced self adhesive tape comprising a non woven polyester fabric adhered to a film of butyl-rubber.

BGC Render Tape -comes in a 60mm x 20m roll

## Mass

The approximate weight of Stonesheet™ at equilibrium moisture content (7% moisture) is as tabulated.

Nominal Thickness	Approx. Weight (kg/m <sup>2</sup> )
7.5	11.8
9.0	14.27

## Sheet Sizes

Stonesheet™ is available in the following sizes:

Thickness (mm)	Length (mm)	Width (mm)
7.5	3000	1200
9.0	3000	1200

## Framing

Refer to page 6 Timber Framing Section in BGC Durasheet Brochure February 2010.

## Fixing Guide

Slip Weight	Wall Height	Stonesheet Type
20 - 50 kg m <sup>2</sup>	Up to 4m Above 4m	7.5mm 7.5mm
50 - 60 kg m <sup>2</sup>	Up to 4m Above 4m	7.5mm 9.0mm

Fixings:

Cavity - 10g x 65mm Surefast Screws

Direct Fixed -10g x 50mm Surefast Screws

Washer - direct and Cavity - m6 x 19mm x 1.6mm

Interior Application - Zinc Chromate

Exterior Application - Stainless Steel 316

Screws and Washers can be sourced from BGC, MSL Fortress Fasteners or your local Building Merchant, providing they are compliant with AS 3566 part 2

For stone weights above 60kg per m<sup>2</sup> please refer to your stone supplier for fixings, mechanical fixings and adhesives.

## Installation

BGC Stonesheet can be installed on a cavity or direct fixed based on section 3 of E2/AS1.

Sheets to be fixed vertically with a 2-3mm gap between sheets.

Sheets are to be fixed with screws and washers as per the fixing guide at 200mm centres (edges and centre). Sheets must be fixed with the smooth side on the external face (rough surface on the framing side).

Screws must be 12mm from the edge and 50mm from the corner of the sheets.

Joints must be dry and free from Dust and contaminants before applying BGC Render Tape.

BGC Render tape is to installed over the joint with the joint in the centre of the tape.

The tape must be well adhered to the Stonesheet™ by pressing down on both sides of the adhesive tape.

Where the BGC Render Tape has been applied to both the vertical and horizontal joint, the tape is to be installed so it overlaps the tape already applied.

To join the tape – overlap the joint by at least 100mm.

BGC Render tape can be used for both vertical and horizontal sheet joints except for Horizontal Control Joints (5400mm Max. centres or all floor joist locations).

Horizontal Control Joints must be formed as per E2/AS1 fig 108 for up to 2 stories – BGC Render tape can be applied over the Horizontal joint to ensure the joint is kept free from Adhesives or Fig. 70 for over 2 stories in height.

Vertical Non Flush finished joints are deemed to be control joints so no special vertical control joint are required.

External corners - sheets are to be but jointed (leave 2-3mm gap) and tape applied over the joint.

Internal corners – as per the external corner - no internal flashing required.

BGC Stonesheet should not be left exposed in external applications for longer than 90 days before the installation of the stone work.

All cut sheet edges must be sealed with BGC Edge Sealer which can be ordered with BGC Stonesheet from your local Building Merchant.

For full architectural details of BGC Stonesheet and BGC Render Tape contact BGC Fibre Cemeent (NZ). Also refer to E2/AS1 section 9.7 Fibre Cement.

### Note:

Stonesheet™ is a non structural substrate. BGC does not accept any responsibility for the selection and design of mechanical fixing and adhesives used.

Installation instructions and recommended kg/m<sup>2</sup> are supplied as a guide only.

BGC Stonesheet and BGC Render tape are not the primary waterproofing in a Stone Slip veneer system.

We recommend using a Stone system that has been properly evaluated to comply with all relevant Building Codes.