

BGC DURACOM™

BGC Duracom™ façade system is ideal for the exterior cladding of low to medium-rise buildings. Utilising BGC's compressed fibre cement sheeting, BGC Duracom™ delivers a durable finish with a smooth, flat surface and square edge.

APPLICATION

Exterior cladding.

AUSTRALIAN STANDARDS

Manufactured to conform to the requirements of AS2908.2 Cellulose-Cement Products and are classified as Type A Category 3 for external use.

Tested in accordance to AS1530.3.

INSTALLATION

The deflection of the Top Hats is based on serviceability factor of 0.6 x ultimate wind loads and is limited to span/250. The Top Hat sections can be used for Cyclonic wind areas – region C & D based on wind pressures. It is the responsibility of the Project Engineer to specify the connection of Top Hats to the support structure. Minimum 12g screw on each leg of top. Position the Top Hats according to predetermined and marked spacings and ensure that they are vertical (check with a spirit level).

Fix the Top Hats to the Purlins using self-drilling hex head wafer screw fasteners ensuring that both legs of the Top Hats are fixed to the structural Purlins or framing. Also, ensure that the Top Hats are mounted vertical using a spirit level to check. For inclined or diamond patterns, check that the inclined angle of the Top Hats are correct. The Top Hats must be fixed on both legs to minimise flexing of the Top Hats.

Apply the EPDM Foam Gasket Strip to the primary 120mm Top Hat. The seal can be applied to the mounted Top Hat in situ or it can be applied to the Top Hat, before it is fixed to the Purlins. Ensure that the EPDM Foam Gasket Strip is applied to the centre of the purpose designed Primary 120mm Top Hat.

Set out, pre-drill and countersink the holes in the panels to be mounted, as set out in the table hereunder. Screw holes must be pre-drilled, allowing 1mm clearance over diameter of screw. Holes must be drilled using a masonry drill bit. Do not use an impact drill. Where screws are to be countersunk, depth must be controlled by gauge to restrict head depth to 3mm maximum.

Fix the bottom row of boards allowing a 15mm overlap over the EPDM seal. Leave the top row of screws in the board loose to facilitate the insertion of the backing strip to the board.

Use the backing strip to space the vertical joint of successive boards ensuring a uniform 10mm space between successive boards.

Insert the backing strip behind the top of the board. Leave fasteners loose, along the top edge of the panels to facilitate insertion of backing strip. After the backing strip is in position the top row of screws need to be tightened to draw the panels and backing strip against the Top Hat completing the seal.

Installation of the next layer of board – Apply a bead of the appropriate sealant to the top of the backing strip and then rest a pre-drilled panel on the top of the horizontal backing strip.

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