

APRIL 2012

Curveboard™ Plasterboard

flexible
plasterboard

Curveboard™
design freedom
and flexibility



Environmentally certified
products that don't
cost the earth.



BGC-2011
GECA 04-2011v2-
PANEL BOARDS

Build it better with **BGC**

BGC

Plasterboard

Australian Owned & Manufactured www.bgc.com.au/plasterboard

History & Mission



BGC Fibre Cement and Plasterboard is a proud Australian owned manufacturer of fibre cement and plasterboard products.

BGC has state-of-the-art manufacturing facilities in Perth and distribution centres in all states of Australia and in New Zealand.

Our distribution network ensures that our entire product range is readily available in all states of Australia.

BGC has a team of technical specialists that can assist with all specification and design information to help ensure that you always **'build it better with BGC'**.

BGC has interests in:

- residential and commercial building
- building and construction products
- contract mining
- civil engineering construction and maintenance
- quarrying
- road transport
- property ownership and management
- insurance

Our mission at BGC is simple – we want to ensure that people can always **'build it better with BGC'**.

In keeping with our mission, we are constantly assessing and improving our products to ensure that we always provide cost effective, high quality and easy-to-use products to the market.



Curveboard™ is the ideal solution for creating curves on interior walls and ceilings, giving endless design freedom and flexibility. Curveboard™ provides another option in the creation of interior spaces.

Designed as a complete plasterboard wall and ceiling lining system which provides a flat, blemish free and monolithic surface which is ready for decoration. Curveboard™ is designed to bend to a tight radii without prior wetting.

Curveboard™ Plasterboard:

- provides design flexibility and freedom.
- enables construction of contoured walls or ceilings.
- allows bending to small radii.
- has recessed edges on long edges to provide a continuous surface once flushed.
- saves time and money on installations requiring curved surfaces.
- lightweight and easy to install.
- can be easily applied to timber or light-steel framing.
- can be easily finished in a number of finishes.

Product Description

Curveboard™ flexible plasterboard enables the creation of curves on interior walls and ceilings. Curveboard™ is manufactured as 6.5mm thick plasterboard enabling the plasterboard to bend to tight radii without prior wetting.

Curveboard™ is purpose designed as a complete plasterboard wall and ceiling lining system which complies with the requirements of the Building Code of Australia (BCA).

Curveboard™ provides a flat, blemish free, monolithic, smooth surface ready for decoration.

Curveboard™ can be fixed to timber or CFS (Cold Formed Steel) light-steel framing using plasterboard screws or nails.

Applications

Curveboard™ is suitable for creating curved surfaces on interior walls and ceilings.

Curveboard™ is available in a sheet size of 3600mm x 1200mm x 6.5mm.

Advantages

- Provides flexibility and freedom to construct contoured walls or ceilings
- Allows bending to small radii
- Has recessed edges on long edge to provide a continuous surface once flushed
- Saves time and money on installations requiring curves
- Lightweight and easy to install
- Can be easily applied to timber or light-steel framing

Performance

BGC Curveboard™ must be installed in accordance with the requirements of Australian Standard AS 2589:2007 – Gypsum Linings – Application and Finish.

Wetting of Curveboard™ is only required when an extremely tight radii is required or where temperature and humidity are very low.

Framing

Curveboard™ may be fixed to timber, CFS light-steel framing or furring channels, which satisfy the BCA requirements and which have been plumbed true and straight.

Timber –

Timber framing must comply with the requirements of AS1684.1, AS1684.2, AS1684.3, AS1684.4, AS1720.1, AS1720.2 or the BCA.

Light-Steel –

CFS light-steel framing must be in accordance with AS4600 Cold Formed Steel Structure Code, AS3623-1993 Domestic Metal Framing and AS1397-2001. Curveboard™ may be fixed to CFS steel framing but must not exceed 1.25mm BMT.

Fasteners

BGC recommends the following fasteners are used:

For Softwood – 25 x 2.8mm

For Timber Framing – 32mm x No.6 Type W

For Lightweight Steel Framing and Furring Channel up to 0.8mm thickness – 25mm x No.6 Type S Needle Point.

For Loadbearing Steel framing 0.8 to 1.2mm thickness – 25mm x No.6 Type S Drill Point

Always ensure that screw guns are adjusted to the appropriate depth.

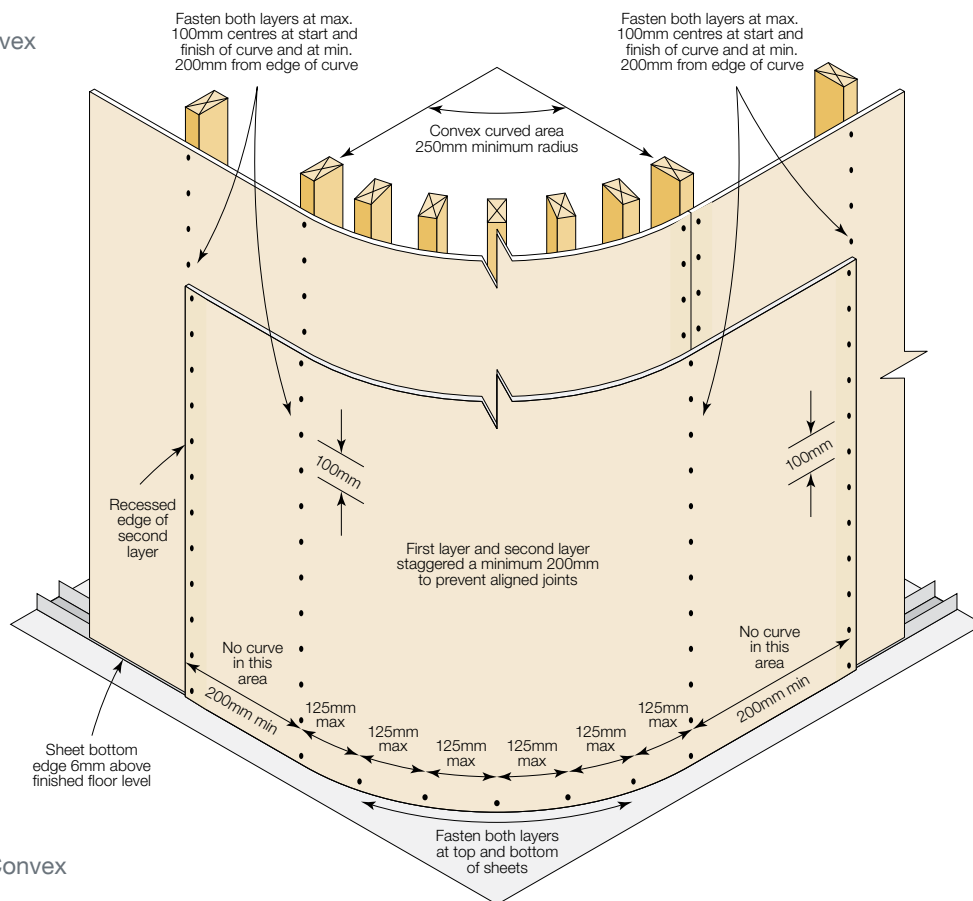
Table 1 - Maximum Curve Radius & Minimum Curve Radius

Sheets Installed Horizontal			
Application		Min Radius	Max Spacing
Convex	250mm	250mm	125mm
Concave	450mm	450mm	150mm

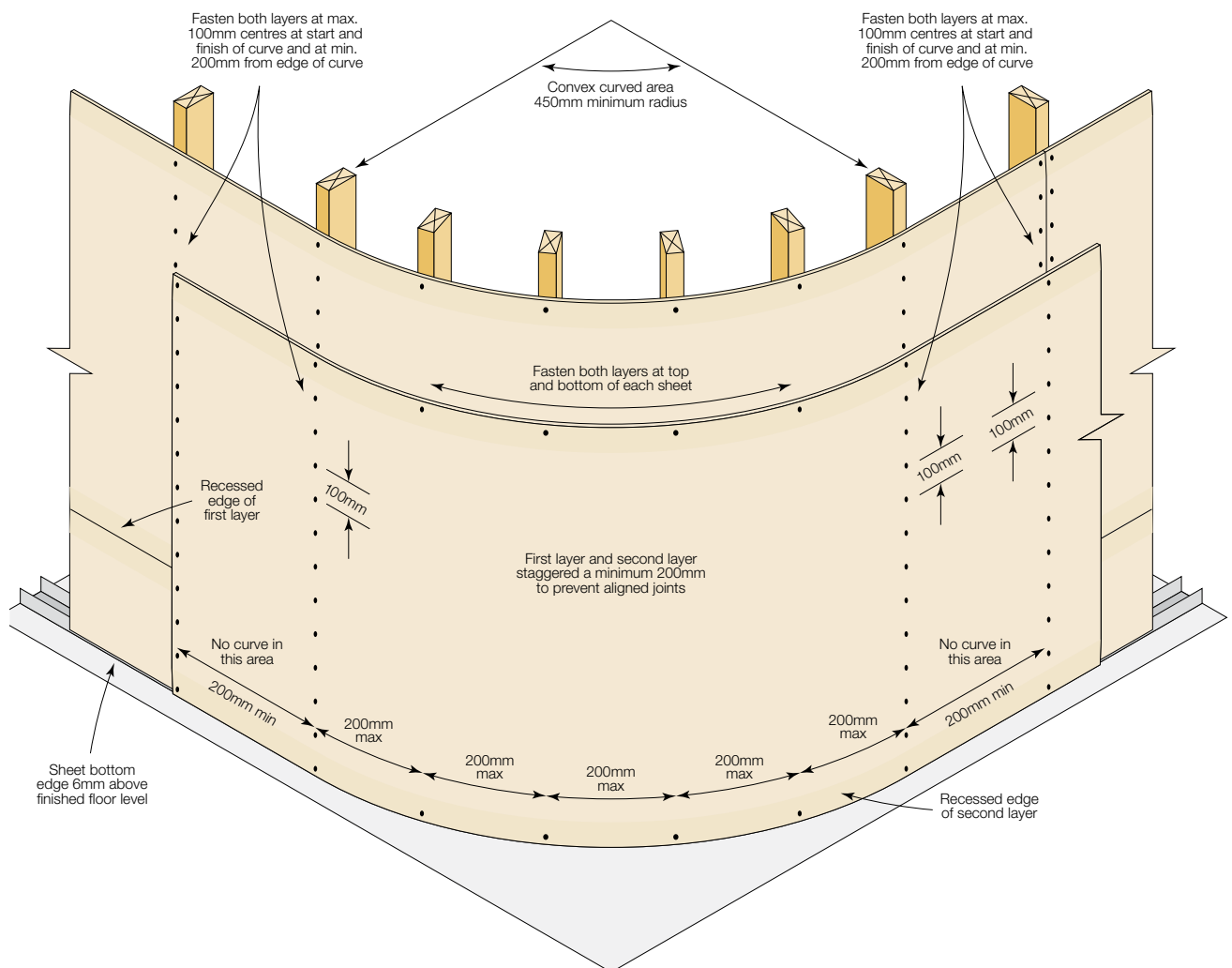
Sheets Installed Vertical			
Application		Min Radius	Max Spacing
Convex	250mm	450mm	200mm
Concave	450mm	650mm	200mm

* Low temperature and humidity will reduce Curveboard's™ flexibility.

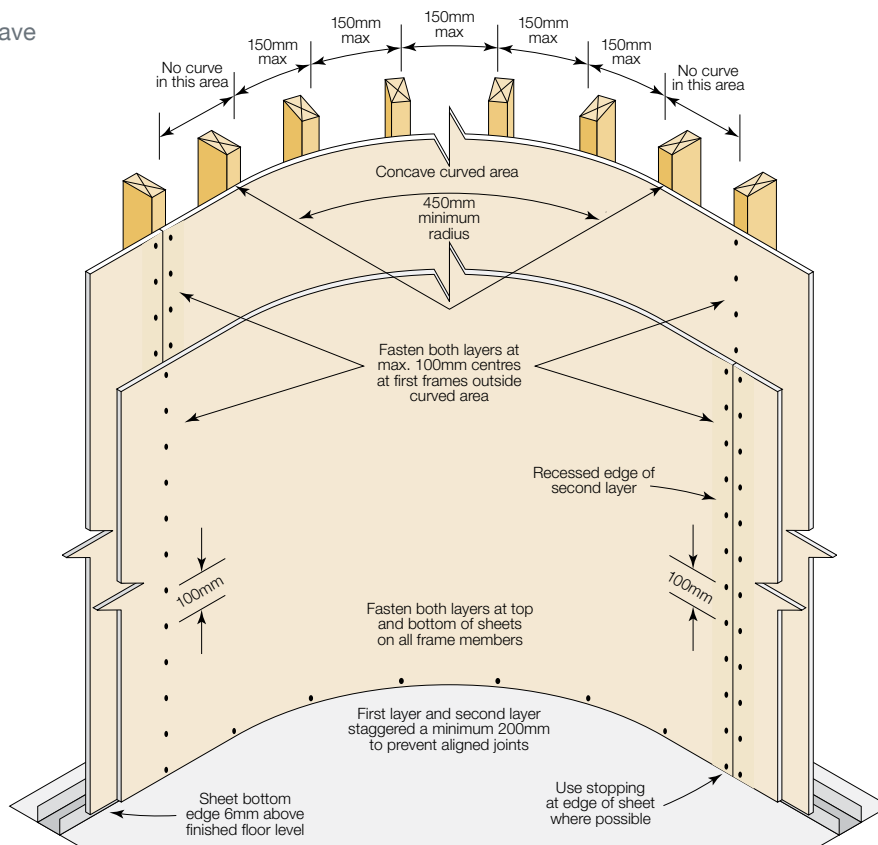
Vertical Fix Convex



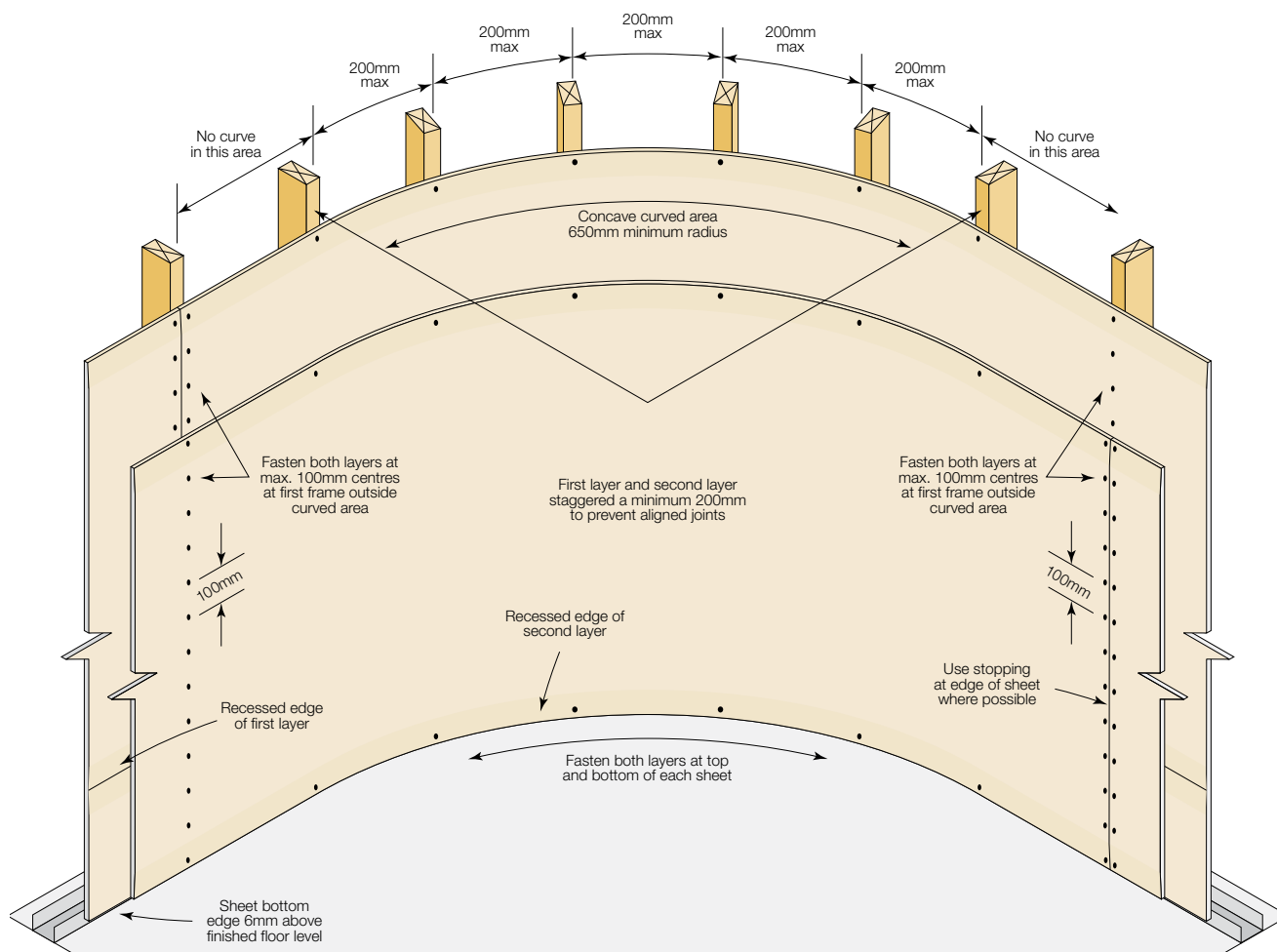
Horizontal Fix Convex



Vertical Fix Concave



Horizontal Fix Concave



Installation

Fasteners should be positioned 10-15mm from edges of the sheet and the head should be slightly below the surface of the plasterboard. Care should be taken to avoid damage to the face of the sheet.

Two layers of Curveboard™ are recommended for most applications with the 2nd layer staggered by at least 200mm to avoid joint alignment.

Curveboard™ may be attached horizontally or vertically depending upon the framing support and application, however BGC Plasterboard recommend fixing in a horizontal direction which enables Curveboard™ to bend easier.

The maximum stud spacing will depend upon the radius required. Additional studs are usually required to support a tight radius. Please refer to diagrams for recommended spacing.

Finishing

Curveboard™ can be finished with several different finishes depending upon the function of the space, lighting and the desired decorative surface required. Finish Levels 4 and 5 are used as detailed in AS2589:2007

The use of a preparatory sealer over the entire surface is recommended prior to application of finish.

Storage and Handling

Care should be taken to ensure edges of Curveboard™ are not damaged when handling.

Curveboard™ should be delivered to site immediately prior to installation to reduce the risk of damage.

Curveboard™ should be stacked flat, up off the ground and supported on equally spaced level gluts.

Warranty BGC Plasterboard

We warrant that our products are free from defects caused by faulty manufacture or materials for a period of 15 years from the date of purchase. If you acquire any defective products, we will repair or replace them, supply equivalent replacement products or refund the purchase price within 30 days of receiving a valid claim subject to product inspection and confirmation of the existence of a defect by BGC. We will bear the cost of any such repair, replacement or refund.

This warranty is given by:

BGC Plasterboard Pty Ltd

Ground Floor, 290 Bushmead Rd, Hazelmere, WA 6055

Phone: 08 9374 2900 Fax: 08 9374 2901

To claim under this warranty, you must provide proof of purchase as a consumer and make a written claim (including any costs of claiming) to us at the address specified above within 30 days after the defect was reasonably apparent, or if the defect was reasonably apparent prior to installation, the claim must be made prior to installation. You may not claim under this warranty for loss or damage caused by:

- faulty or incorrect installation by non-BGC installers (BGC's installation procedures are at www.bgc.com.au/plasterboard);
- failure to comply with the Building Code of Australia or any applicable legislation, regulations approvals and standards;
- products not made or supplied by BGC;
- abnormal use of the product; or
- normal wear and tear.

The benefits available under this warranty are in addition to other rights and remedies of the consumer under the law. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

To contact
your nearest BGC
stockist, please call:

Adelaide
Telephone
08 8250 4962

Brisbane
Telephone
07 3271 1711

Melbourne
Telephone
03 9392 9444

Perth
Telephone
08 9334 4900

Sydney
Telephone
02 9632 2100

New Zealand
Telephone
0011 64 9264 1457

Technical Help Line
1300 652 242

bgc.com.au/plasterboard

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BGC has state-of-the-art manufacturing facilities in Perth and distribution centres in all states of Australia and in New Zealand.

Our distribution network ensures that our entire product range is readily available in all states of Australia.

BGC has a team of technical specialists who can assist with all specification and design information.

BGC provides builders, developers and architects with a range of design alternatives and innovative products, such as:

- **Ceilingboard™** – designed for interior use providing a flat, blemish free, monolithic, smooth surface ready for decorating and is ideal for all interior ceiling applications, residential and commercial where cost effectiveness is paramount.
- **Enviroboard** – more recycled content than standard plaster board, BGC Enviroboard does not compromise on performance, giving an interior lining board that meets performance requirements and is more friendly to the environment.
- **WR Plasterboard** – primarily developed for wet area walls in residential and commercial buildings but is also ideal for Verandas, garages and alfresco ceilings.
- **Fireboard™** – designed for use where fire systems are specified in residential and commercial buildings. Fireboard™ delivers the required Fire Resistance Level whilst maintaining a flat, blemish free surface suitable for decoration.
- **Soundboard™** – is high density plasterboard that has been specifically designed to greatly reduce unwanted noises that can be heard from one room to another through walls and ceilings.
- **Wet Area Fireboard™** – has been developed specifically for use in wet areas where a fire resistance level is specified.
- **Moisture Resistant Flameboard™** – has been developed specifically designed for use in fire risk areas where no FRL is required.
- **Compounds** – BGC plasterboard has developed a range of plasterboard compounds to aid in the fixing of our various products.
- **Cove Cornice** – provides a clean, continuous line at the junction of wall and ceilings. Three profile sizes are available to suit all applications.

Safe working practices - Please wear a P1 or P2 mask and safety goggles (approved to AS/NZW1337 standards) whilst cutting or installing BGC Curveboard™. BGC Curveboard™ can be safely handled during unloading or stacking without the use of these precautions. **Cleaning up** - Always wet down your work area when cutting BGC Plasterboard, to ensure that dust is managed. Dispose of any vacuumed dust with care and using containment procedures.