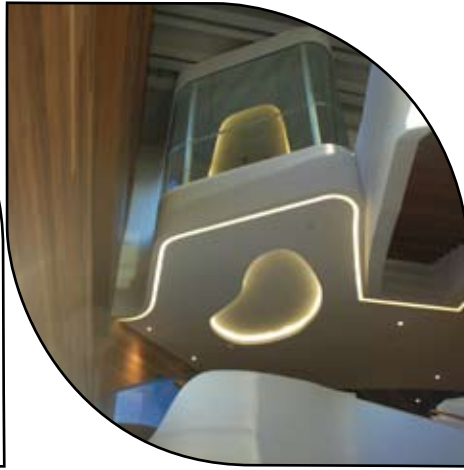


# bent+curvedglass



The glass curving specialist

# Latest News



## “ BCG GOES QUIETLY ”

“Bent and Curved Glass Pty Ltd curved acoustic performance glazing combines form & function for the dynamic new GPT Group head office fitout designed by Woods Bagot Architects.

The design concept required the removal of existing floor structure through levels 50,51 and 52 of the MLC Centre Building in Sydney to create an atrium void which becomes the connecting core of the scheme.

One of the challenges was to maintain the required acoustic privacy for the various meeting rooms located off and within this common use zone. BCG provided a glazing solution that

not only achieved the desired performance but the dramatic curves created are a feature of the design enhancing and softening the spatial flow critical to the architects vision for the project.

Glass was the ideal material to provide shared light and views within the space and also outwards to the city skyline beyond while defining the functional separation of areas.

A combination of tight radius and more generous flowing curves have been produced by BCG in laminated curved and flat glass incorporating an acoustic rated interlayer to achieve the specified

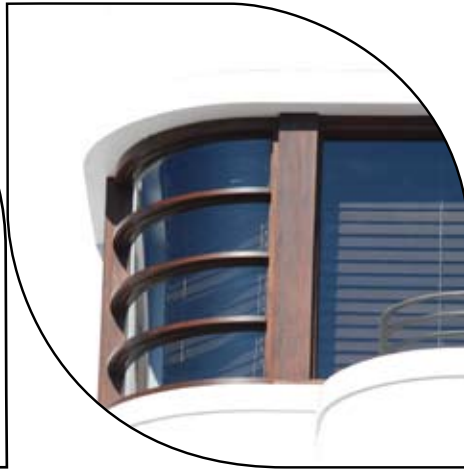
sound reduction levels.

The 3 level atrium is the focal point of the fitout. The considered detailing employed by Woods Bagot utilises a restrained palette of colours and materials combined with feature recessed strip lighting allowing the sculptural forms to be fully expressed and creating an enlivened environment which connects the GPT staff and client community together through this multi level fitout.

The completed project lives up to the GPT Group aspiration to “..create and sustain environments that enrich peoples lives”, in the properties that the group owns, manages and develops throughout Australia. □



Proudly  
Australian  
made



*curved  
glass  
solutions*

toughened  
laminated  
annealed  
double glazed



**B**ent + Curved Glass Pty Ltd, is the glass curving specialist with over 30 years experience providing all forms of curved glass for commercial and residential architectural applications throughout Australia.

BCG is fully Australian owned and operated. Locally manufacturing curved toughened, curved laminated and curved annealed glass as well as curved double glazed units. Now also providing custom PVB laminated glass products.

All processes are managed in-house to ensure and control product quality and delivery timing. The experienced BCG staff work with architects, designers & glazing contractors to create viable, cost effective and beautiful curved glass solutions.

BCG can contribute at the design, specification, tender and construction stages to ensure the successful integration of curved glass into any sized project.

Let the unique qualities of curved glass contribute to the success of your next project.

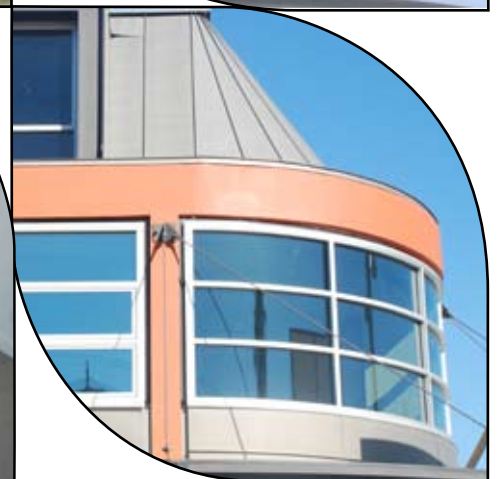
*custom  
laminating  
solutions*

curved & flat PVB  
graphic interlayers  
structural Interlayers  
performance interlayer



*applications*

windows wall panelling  
pool fences  
facade systems balustrades  
doors food display units  
splashbacks display cases  
partitions shopfronts  
shower screens



**bc**  
bent+curvedglass

## Toughened Glass

Toughened Glass is made by heating annealed glass to approximately 700 degrees celsius then cooling the outer surfaces rapidly using forced air. This process increases the strength of the glass by 4 to 5 times its usual strength thus improving the durability, shock and thermal resistance of the glass.

### Cylindrical Curved Toughened Glass

GLASS THICKNESS	MAXIMUM SIZE HEIGHT X GIRTH	MINIMUM RADIUS
5mm	2100 x 1200	350
6mm	2500 x 1500	400
8mm	2500 x 1500	500
10mm	2500 x 1500	620
12mm	2500 x 1500	890

NB

Maximum angle 90°

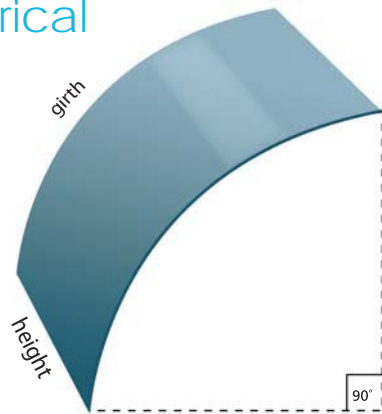
Maximum rise/depth of curve 250mm

Minimum size of glass 150mm high x 400mm girth

Minimum radius will depend on girth and height

### Type of Bends Available

#### cylindrical



### Non Cylindrical Curved Toughened Glass

GLASS THICKNESS	MAXIMUM SIZE HEIGHT X GIRTH	MINIMUM RADIUS
5mm	2100 x 1200	250
6mm	2500 x 1500	250
8mm	2500 x 1500	350
10mm	2500 x 1500	500
12mm	2500 x 1500	720

NB

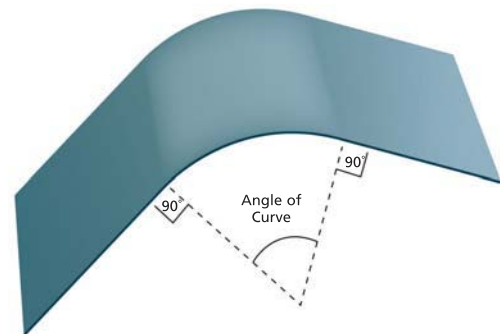
Maximum angle 70°

Maximum rise/depth of curve 350mm

Minimum size of glass 250mm high x 400mm girth

Minimum radius will depend on girth and height

#### non cylindrical



## Laminated Glass

Laminated Glass is produced by joining two pieces of annealed glass together thus allowing the glass to hold its shape should it be broken.

### Laminated Curved Safety Glass

Maximum Dimensions	3900mm x 2400mm OR 2400mm x 3900mm
Glass Thickness	6mm - 19mm
Maximum Rise	500mm

### Notes

- Custom profiles made for all applications
- 15mm & 19mm available in cylindrical curves only, subject to specification
- The viability of a piece will depend on the combination of glass thickness, radius, length and depth of curve.

### Tolerances

Overall measurement	+/- 2mm over 1m
Twisting	+/- 3mm over 1m
Edge flatness	+/- 2mm over 1m
Deviation of curve	+/- 2mm
Glass thickness	+/- 0.7mm

