



bent+curvedglass

The glass curving specialist

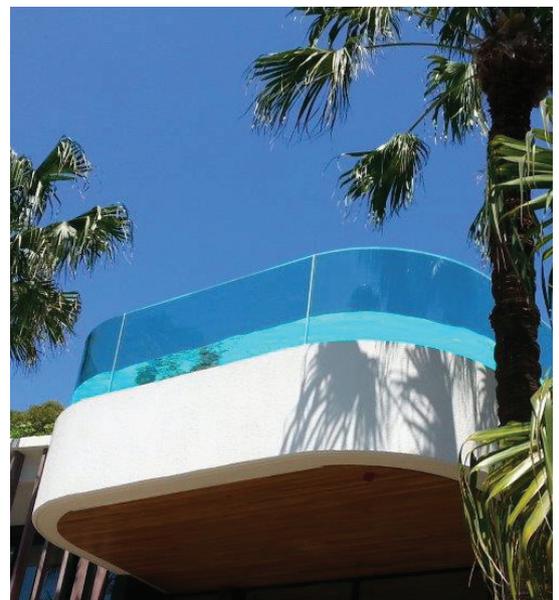
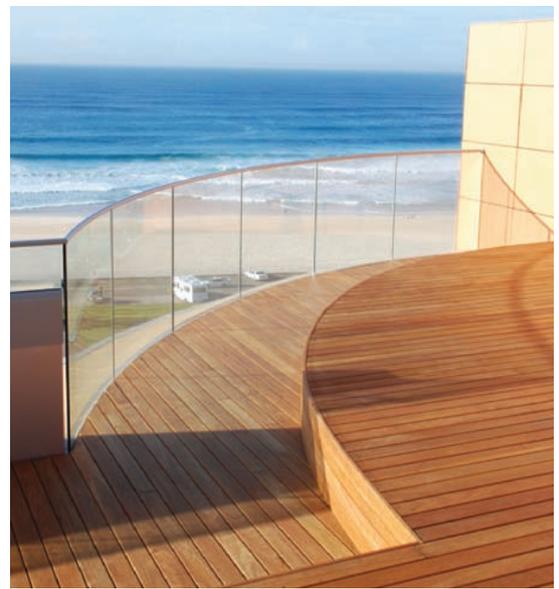


The glass curving specialist

BCG are forward thinking, we search out and embrace **new** equipment, methods, technologies and glass types. At the same time we respect and value the traditional craft glass **skills** embedded in the fabric of the company. **Hand working** and processing skills passed down from the previous generation is representative of a **family tradition** which enriches the companies endeavours.

Unique hand working of glass is key to the success of many of the diverse **bespoke** solutions BCG can create and offer their customers. The interplay between **cutting edge** technologies and traditional craft skills is **key** to the unique identity of the business, it's character and methodologies.

We believe this is a defining quality of BCG and translates to the **most exciting** and successful outcomes for our customers.



The Old Clare Gets Curvy



Vibrant graphic curved glass created by Bent and Curved Glass Pty Ltd is the star of the revamp of a heritage bar on the fringe of Sydney's CBD.

The Old Clare Hotel is the result of a five year project combining a 1939 Art Deco Pub with the Victorian era 1915 CUB Headquarters in a contemporary but heritage respecting transformation designed by Tonkin Zulaika Greer Architects (TZG).

The illuminated glass clad oval bar is the centrepiece of the reincarnated original pub bar space. The amber tones of the glass are designed to reference the history of the site formerly housing the Tooth & Co. Brewery.



The golden colours representing KB Lager, Kent Old Brown and Reschs beer and beer bottles.

BCG worked closely with TZG Architects and the installation contractor, Wellfix Glass, to successfully implement the design concept. The project has been awarded Best Use of Glass - Commercial Glazing Project in the 2016 NSW Glass and Glazing Association Awards.

Glass colours were selected following exhaustive sampling and assessment in lightbox mockups. BCG has custom laminated clear curved and flat glass by encapsulating a coloured printed insert with eva interlayers.

Clear to the front and a diffusing white opaque to the rear of the insert.

112 individual pieces of curved and flat glass have been meticulously face glazed by Wellfix Glass and Aluminium, into the recesses of the industrial style steel structure of the Bar and Reception Counter elements on the ground floor street level. The patterned layouts create a lively retro ambience.

The finished project has received critical and popular acclaim and has become a key element in the success of the new "Kensington Street Precinct" entertainment area just off Broadway.



thinking
outside
the square



Transforming Glass to enhance Architectural Environments

curved glass

- toughened
- toughened laminated
- annealed
- annealed laminated
- double glazed

custom laminated glass

- PVB & EVA interlayers
- graphic interlayers
- structural interlayers
- thermal interlayers
- acoustic interlayers
- coloured interlayers



applications

- windows
- doors
- balustrades
- pool fences
- facade systems
- floor panels
- roof panels
- partitions
- shower screens
- splashbacks
- stair treads
- pool windows
- display cabinets
- shopfronts



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guidelines

| | TOUGHENED TOUGHENED LAMINATED | ANNEALED ANNEALED LAMINATED |
|--|---|---|
| Max. Glass Height | < 1000 radius 2500 > 1000 radius 3300 | 3800 (2400) |
| Max. Glass Girth | < 1000 radius 1500 > 1000 radius 2500 | 2400 (3800) |
| Max. Angle of bending | < 1000 radius 90 deg. > 1000 any angle up to max. 680mm depth of curve | max. 140 deg. angle up to max 700 depth of curve |
| Min. Radius | Glass Height | |
| | 400 to 2500mm h | 2500 to 3300 h |
| 5-6mm | 420 | 1000 |
| 8mm | 500 | 1200 |
| 10mm | 620 | 1200 |
| 12mm | 890 | 1500 |
| 15mm | 1650 | 1500 * |
| | *Minimum radius will depend upon glass dimensions | |
| Tangent bending and composite radius bending | to max. 2500mm height to max. 1500mm girth | No specific restrictions other than above. |

tolerances

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



As always we would remind you that there are many variables which will influence potential outcomes for individual projects. Sometimes this allows achieving better than indicated on certain parameters. We recommend consulting the experienced staff at BCG to discuss the specific requirements of each project in order to determine the best glass options available.

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