

Transforming
Glass
to enhance
Architectural
Environments



Form & Function

Collaboration proved to be the key to achieving the best outcomes for this high end residential project in Waverley, Sydney's Eastern Suburbs.

Early consultation was undertaken between architects - C plus C Architectural Workshop, glass manufacturer - Bent & Curved glass, and frame fabricator and installation contractor - AVS Windows and Doors. This process allowed for a clearer understanding of the design intent leading to the successful resolution of the architectural detailing and functional performance of the glazing systems.

The team at Bent & Curved Glass rose to the challenge of achieving exacting

dimensional accuracy and optical quality in oversized curved glass for a range of applications including timber and aluminium framed sliding doors, fixed frameless facade glazing, internal screens and curved double glazing to the walk in wine cellar.

The quality of the project has been acknowledged with the award for "The Best use of Glass in a Domestic Project (valued over \$20,000)", in the 2017 NSW Glass and Glazing Association Awards.

The project is a fine example of BCG's approach, which embraces consultation, teamwork and communication to achieve the most creative and complete solutions for all stake holders.



Australian Manufactured
Fully Certified and compliant to
relevant Australian Standards

Latest News

At BCG we strive to be progressive in our thinking and methods. Recently we have been looking inwardly to more clearly understand and define our identity and values. This process has led to the revitalisation of our website and a refresh for our logo. We are always working towards providing improved products and service and wish

to engage in a more direct and personable way. We have also now established a presence on Instagram.

We invite you to visit our newly relaunched website and connect with us on Instagram. Let us know your thoughts and tell us how we can best add value to your projects. We'll be looking out for you!

curved glass

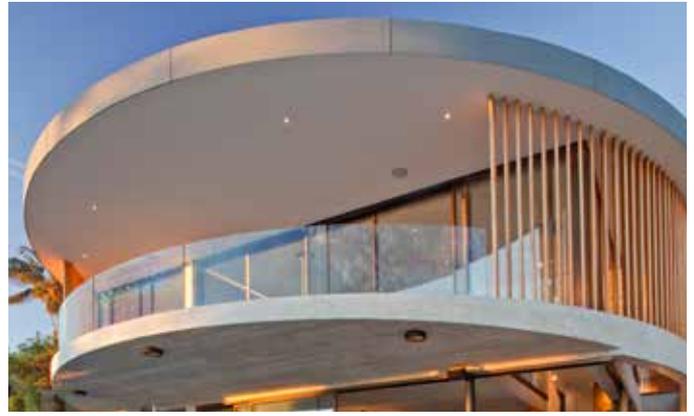
toughened
toughened laminated
annealed
annealed laminated

specialty glass

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

applications

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



Curved Glass guidelines & tolerances

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° > 1000 any angle up to max. 680mm 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 & 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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