

## Residential Brochure



### curved glass

toughened  
toughened laminated  
annealed  
annealed laminated  
double glazed

### 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



24mm grey toughened double glazed curved glass door units



10mm clear toughened curved glass window facade



11.76mm clear laminated curved and flat glass



12.76mm grey tinted laminated curved and flat glass



laminated low E curved glass window



10.76mm EnergyTech laminated curved glass



6mm and 12mm clear toughened curved glass window facade



16.76mm clear laminated curved & flat glass fixed window facade



14.76mm clear pvb laminated curved glass window



12.76mm clear annealed Low E laminated curved glass window internal view



11.76mm clear pvb laminated curved glass window



16.76mm clear laminated curved glass gullwing door



12.76mm clear annealed Low E laminated curved glass window external view



Upper level: 13.14mm white translucent clear low E laminated curved glass  
Lower level: 12.76mm clear laminated curved glass



12 mm bronze tinted toughened curved glass window facade



11.76mm grey Low E annealed laminated curved glass roof dome external view



11.76mm grey Low E annealed laminated curved glass roof dome internal view



54.84mm clear toughened structural laminated curved and flat glass pool wet edge



15.04mm low iron toughened structural laminated curved and flat glass balustrade  
Engineered for compliance without handrail



Inner balustrade: 15.04mm clear toughened structural laminated curved glass  
Engineered for compliance without handrail



25.25mm toughened laminated curved glass balustrade



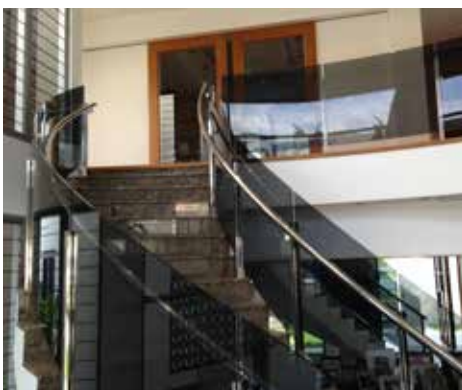
21.52mm clear heat strengthened laminated curved and flat glass



12mm clear toughened curved glass stair balustrade side fixed to timber stair treads



Levendi Jewellery toughened curved glass balustrade panels



10mm grey toughened curved glass staircase



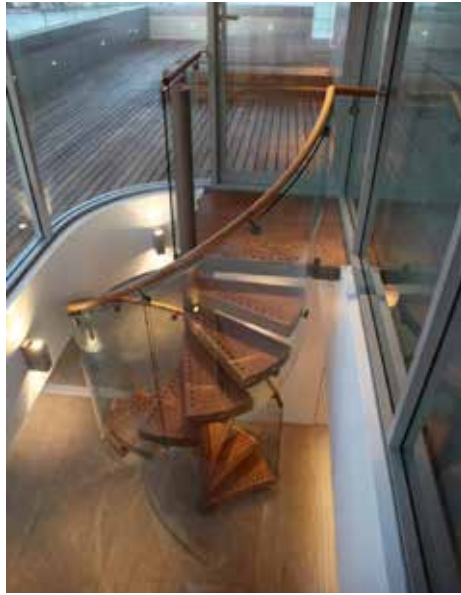
12mm clear toughened curved glass balustrade



Inner balustrade: 15.04mm clear toughened structural laminated curved glass  
Engineered for compliance without handrail



12mm starphire low iron toughened curved glass. Frameless side fix standoff fittings timber handrail capping to top edge of glass



10mm clear toughened curved glass stair balustrade



10mm clear toughened curved glass infill panels



10mm clear toughened & 11mm clear laminated curved glass cantilever frameless stair panels



12mm clear toughened curved glass stair balustrade



15.04mm Starphire toughened structural laminated curved glass stair balustrade. Engineered glass fully frameless without top rail



10mm clear toughened curved glass staircase



12mm clear toughened curved glass panels cantilever frameless panels with standoff patch fittings



12mm clear toughened curved glass stair balustrade panels cantilever frameless panels with standoff fittings



17.52mm clear toughened laminated curved glass balustrade



15.04mm clear toughened structural laminated curved glass balustrade Engineered for compliance without a top rail



15.04mm clear toughened structural laminated curved and flat glass balustrade Engineered for compliance without a top rail



21.52mm Low iron toughened laminated curved glass void balustrade



15.04mm clear toughened structural laminated curved glass balustrade Engineered for compliance without a top rail



21.52mm clear toughened structural laminated frameless curved glass balustrade



21.52mm clear toughened laminated curved glass balustrade



15.04mm clear toughened structural laminated curved glass balustrade



15.04mm Starphine toughened structural laminated curved glass balustrade. Engineered for compliance without a top rail



12mm clear toughened curved glass frameless cantilever balustrade panels



15mm clear toughened heat soaked curved glass balustrade



12mm clear toughened curved glass frameless cantilever balustrade panels



12mm clear toughened curved glass sided fixed balustrade



12mm clear toughened curved glass frameless, Non shrink grout fixing into concrete slab



12mm clear shapecut toughened curved. Non shrink grout fixing into rebate in concrete retaining wall



12mm clear toughened curved glass balustrade



12mm Matelux acid etched toughened curved glass balustrade



10mm clear toughened curved glass balustrade



12.76mm starphire white translucent laminated curved glass inside view



12.76mm starphire white translucent laminated curved glass outside view



12mm clear toughened curved glass shower enclosure



starphire toughened frameless showerscreen white colourbacked laminated curved glass shower recess



6mm clear toughened curved glass shower enclosure



10mm clear toughened curved glass shower with applied frosted film



8mm clear toughened curved and flat glass shower enclosure



8mm clear toughened curved glass frameless glass in glazing channel at floor level



11mm clear laminated curved glass bathroom window with applied privacy film



# Curved Glass guidelines & tolerances

## guidelines

	Toughened & Toughened Laminated		Annealed & Annealed Laminated
Max. Glass Height	< 1000 radius	2500	3800 (2400)
	> 1000 radius	3300	
Max. Glass Girth	< 1000 radius	1500	2400 (3800)
	> 1000 radius	2500	
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.

