# Resista™

## Heat Strengthened Glass

solos glass
see the possibilities

Resista™

# Twice as strong

Resista™ is a heat strengthened safety glass offering twice the thermal strength of standard annealed glass.

Its additional strength combined with a flat distortion free surface is ideally suited for commercial applications where additional resistance to wind loads and thermal stress are required, without the need for a Grade A safety glass.

**Applications**

- Building facades of medium to high rise commercial buildings
- Curtain walls
- Spandrel panels

**Benefits**

- Flat distortion free surface with twice the mechanical strength of annealed float glass coupled with additional thermal resistance
- Often used in lieu of toughened glass in custom laminates to provide a flatter finish than that offered by a fully toughened custom laminate
- If broken, breaks into larger pieces than fully toughened glass with the pieces usually staying in the frame
- Flatter finish offers less visual distortion

## Heat strengthening

Resista™ heat strengthened glass is manufactured in a similar way to TufGlas™ where the annealed glass is heated to approximately 650°C in a tempering oven before being cooled with high pressure air nozzles in the quench.

However, because the glass is not being cooled as rapidly as fully toughened glass, whilst the outer surfaces of the glass are in compression and the inner part of the glass in a compensating tension, the levels of surface compressions are lower which results in the glass being only twice the strength of annealed glass.

The result is that Resista™ becomes thermally strengthened by inducing a surface compression /stress of between 24MPa and 69MPa compared to a surface compression/stress of >69MPa for TufGlas™ toughened glass.

Resista™ cannot therefore be considered to be a safety glass to AS/NZS 2208 and is not suited for applications where resistance to human impact is required and/or there is a need for mechanical fixing.

For additional product details and warranty information please visit our website.

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An MHG Company

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