

TufGlas™

# TufGlas™

Toughened Safety Glass

**solos**  glass  
see the possibilities



## Made tough

TufGlas™ toughened glass is four to five times stronger than normal annealed glass of comparative thickness.

Consider TufGlas™ when additional strength, thermal resistance or safety are important considerations or Grade A safety glass is required. TufGlas™ is manufactured by heating annealed glass on oscillating ceramic rollers to over 600°C and then cooling it rapidly through a series of high pressure airnozzles in an area of the toughened glass manufacturing line known as the quench. TufGlas™ is suitable for most commercial and residential applications, especially low level glazing, where a Grade A safety glass is required.

### Applications

- Automotive/transport
- Frameless entries
- Glass doors and windows
- Hospitals and schools
- Office buildings and factories
- Public venues and sporting facilities
- Residential glazing
- Restaurants
- Shower screens and splashbacks

### Benefits

- Four to five times stronger than normal annealed glass of the same thickness
- Grade A safety glass manufactured to AS/NZS2208 and AS/NZS 2080
- Available in thicknesses between 4mm and 19mm in EnviroClear™, EnviroTone™, Obscura™, EnviroTone™+, KristalClear™, KlymetShield™, ThermoColour™, ColorSmart™, Panoramic™
- Can be used within a temperature range of between -70°C and 300°C, with a maximum temperature differential of 250°C
- Available in a variety of edge finishes

## Designed with safety in mind

Whilst approximately five times stronger than normal annealed glass of comparative thickness, if TufGlas™ does break, the stresses within the glass are released causing the glass to fragment into a large number of small granular pieces rather than large sharp edged pieces normally associated with broken annealed glass.

This type of breakage associated with toughened glass is designed to limit any injuries which may be caused by the glass breaking.

Whilst much stronger and more difficult to break than a comparative thickness of laminated glass, TufGlas™ cannot be considered a security glass without being laminated because once broken, the glass fragments can fall from the frame leaving a void where the glass once was.

### TufGlas™ HSK

TufGlas™ HSK is a heat soaked toughened glass manufactured specifically to minimise the chances of toughened glass spontaneously breaking due to the effects of Nickel Sulphide (NiS) inclusions in the glass. TufGlas™ HSK is ideally suited for structural applications or when safety is the overriding concern such as balustrades, pool fences and overhead glazing.



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

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