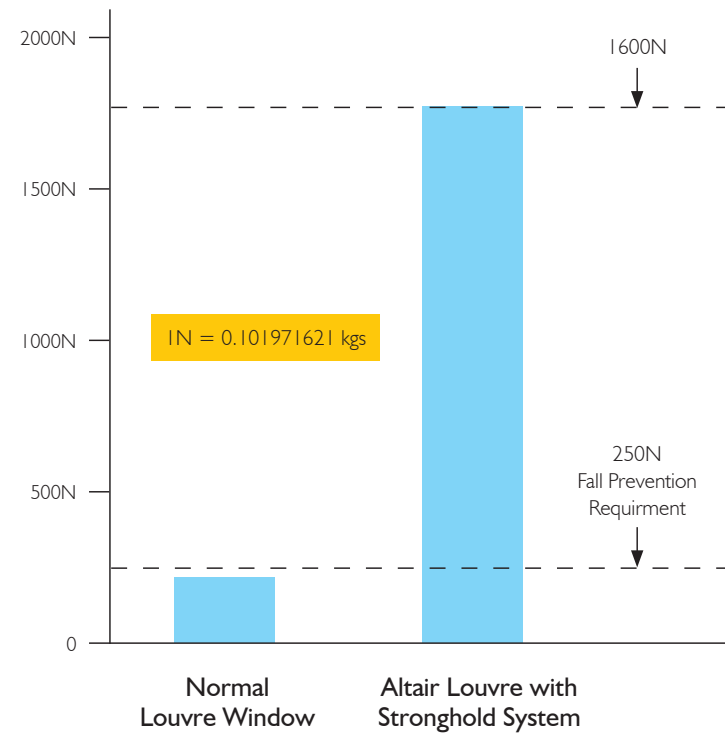


# Technical Information

## Load Diagnostics

Load applied to louvre blade in open position.



## Load Tests

Altair Louvres with the Stronghold System have passed extensive testing to prove its ability to safely retain blades within the clips even when subjected to heavy loads.

With the louvre open, a pneumatic ram is used to apply loads of up to 163kgs to the edge of the toughened Stronghold glass blade without breakage.

In the closed position, the face of a toughened Stronghold glass blade can sustain loads of up to 75kgs without breakage.



Load test in opened position

Load test in closed position

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# Altair® Louvre Windows with the Stronghold® System



*breezway*®



# The Stronghold® System

Altair Louvre Windows with the Stronghold System have been designed to achieve higher blade retention and provide greater design flexibility in buildings.

Ideal for use more than 2 metres above ground level, Altair Louvres with the Stronghold System gain the benefits of full ventilation whilst providing added safety to the entire window opening.

In multi-story applications, a balcony enclosure or wintergarden can be created to provide extra year round living space. Occupants can enjoy the winter sun in a protected spot or take advantage of fresh breezes.

## Product Offer

- Available within the Breezway Easyscreen™, Innoscreen® or SL2® Window Systems complete with 6mm thick, 152mm or 102mm drilled toughened glass or aluminium blades.
- Altair Component System available with aluminium or toughened glass blades for installation into other framing systems.
- Heat soaked glass blades also available for code compliance.
- Widest choice of customising options.
- Suitable for all handle types or as an Altair Powerlouvre™ Window System.
- Stronghold clips provide greater depth of blade coverage for added strength.
- Enables bay widths of up to 1200mm.

## Testing

Altair Louvres with the Stronghold System have been tested to AS2047 "Windows in Buildings", and to ICP.005 "Protection of openable windows" to ensure superior performance.

**Please Note:** The Stronghold System is a window, not a balustrading system.

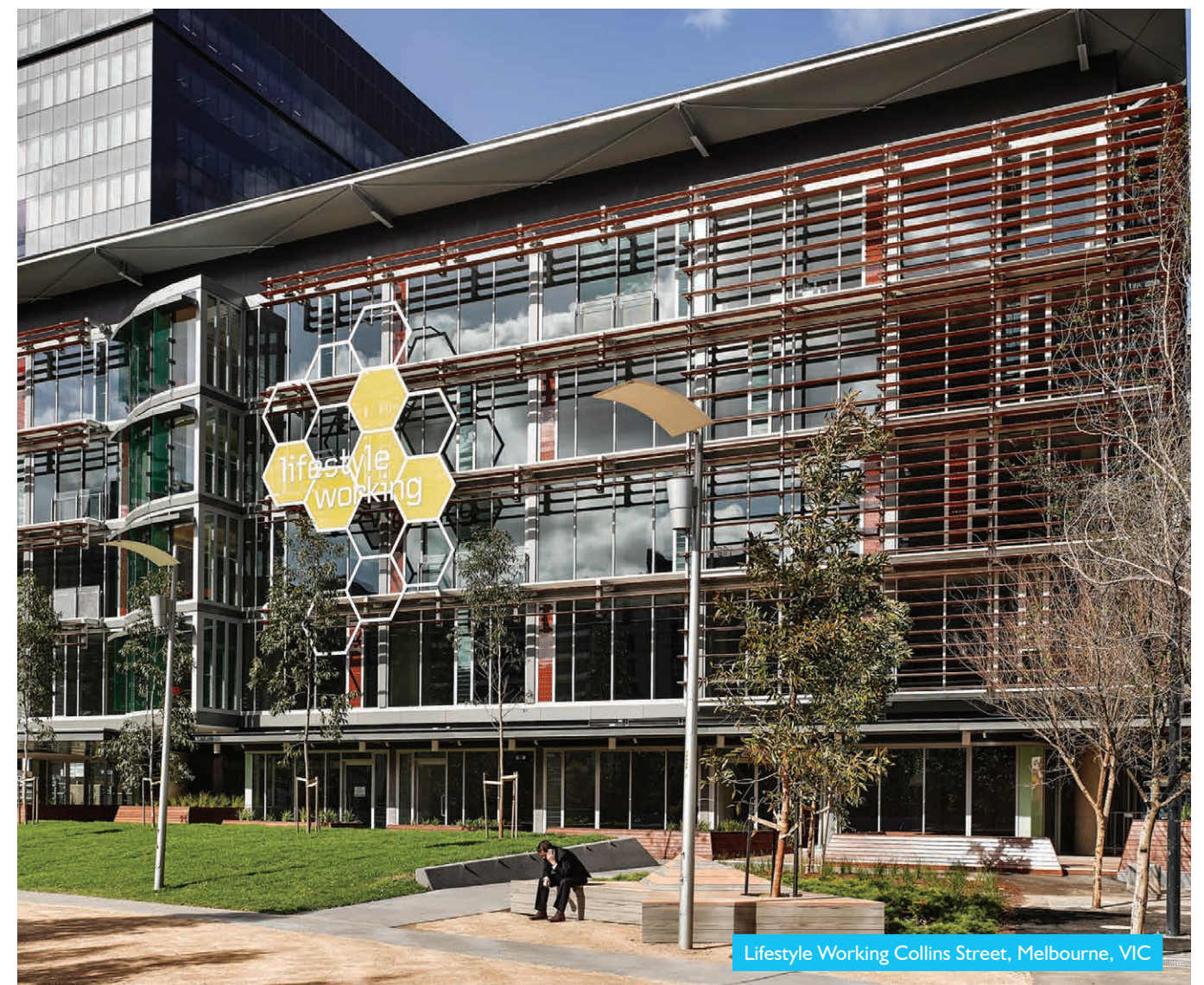


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The pin secures the blade to the clip from inside.



Iglu Student Accommodation, Chatswood, NSW



Lifestyle Working Collins Street, Melbourne, VIC