

EDGE
Architectural Glazing Systems
p r e s e n t s

Structural Glazing



Caribbean Park, MAX™ 150 Structural Glazed
with custom sunshade mullions

Structural Glaze: features

- 150mm frame depth
- Same frame depth as 150 Front and Offset Glazed
- 50mm face dimensions on mullions and transoms
- Reduced head and sill sight lines to maximise the “all glass” appearance
- Accepts 24mm to 28mm IGU’s
- Accepts 3M VHB structural glazing tape
- Designed for factory glazing and easy site installation
- Optional frame detail for site glazing
- Minimal external face, reduces energy loss
- Allows for vertical movement with deep sub head
- Can be installed from inside or outside the building
- Structural glazed awning sash option
- Concealed electric winder box option



With reduced head and sill sight lines to maximize the full glass appearance, our 150mm Structural Glazed suite is one of our most popular framing systems.

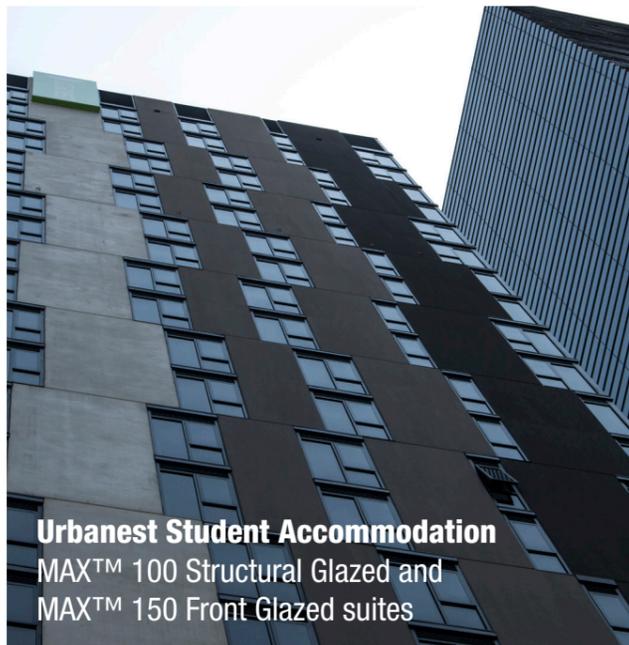
Designed to be factory glazed for optimum production consistency, our SG suite can save the costs and variabilities of site glazing. Concealed jambs allow the easy installation of pre-glazed frames without any visible fixings, and frames are able to be installed from either building interior or exterior.

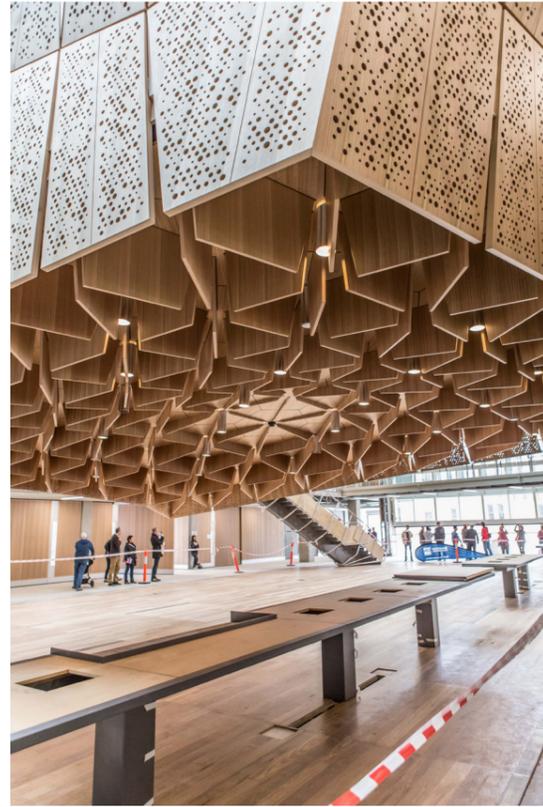
In addition to SG’s sleek and smooth aesthetics, structurally glazed systems can provide a number of benefits over framed systems.

Less external metal translates to improved U-values, allowing SG systems to deliver better thermal performance over time.

Accepting 24mm-28mm IGUs within the standard 34mm pocket, our Structural Glazed system benefits from being of the same footprint as our 150mm framed systems, and can couple to framed systems as well as to hinged and sliding doors where needed. Available in both standard double glazed and thermally broken formats, it can be mixed and matched to meet different U-values on different building fronts, giving true design control.

EDGE also has a 182mm Structural Glazed suite with 40mm rebate - see our website for details.





Architect:
John Wardle Architects and
NADAAA

Builder:
Brookfield Multiplex

Fabricator:
Seelite Windows & Doors

MAX™ systems:
MAX™ 150 Structural Glaze
with sunshade
mullions, ventilation louvres
and operable sashes

Green Star rating:
6 Star



A living building, designed to engage and promote learning

The University of Melbourne's School of Design was designed by John Wardle Architects and NADAAA to inspire learning. The building serves a pedagogical function – the physical structure itself is a resource for research, a fantastic example of the school's possibilities. The researcher, the student and the visitor are invited to engage with the built environment.

EDGE Architectural was chosen to contribute several features of the new building, including MAX™ Structural Glazed framing systems.

MAX™ aluminium frames were selected for the improved comfort and energy efficiency that EDGE's double glazed framing suites offer. Specifically, structurally glazed frames were chosen: as well as the undeniably appealing aesthetic look, having less external metal on the facade translates to improved U-values, allowing better thermal performance over time.

The structure also integrates many elements which contribute to natural ventilation, helping the building "breathe". The southern facade features operable awning sashes that can be opened up to 125mm by individuals inside the building. EDGE operable louvres and sunshade mullions were also incorporated.

The digital manufacturing and machining of the aluminium systems, including the massive glazed ceiling, was completed by our aiFAB team. EDGE Consult and Ai provided design and specification support, and aiPowder Coat delivered luminous finishes across the project.

A few months before it opened, the building received a 6 Star Green Star Design - Education Design v1 Rating by the Green Building Council of Australia. The 6 Star Rating represents world leadership in environmentally sustainable building practices.



Who is EDGE Architectural?

We are
Problem solvers.
Systems designers.
Status quo questioners.
Customer service fanatics.
Project partners.
Fresh thinkers.
Builders for life.

EDGE Architectural Systems maintains one of Australia's most comprehensive range of shopfront and façade framing systems. Our stunning range of double glazed systems, featuring thermal break, give clients the design freedom they seek for innovative projects.

As a division of Aluminium Industries of Australia, our team of professionals all share a passion for what we do and a clear understanding that our success comes from helping our clients succeed.

We are proudly Australian yet operate with a global perspective.



A brand of Aluminium Industries

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