



EDGE

Architectural Glazing Systems

p r e s e n t s

U-max

LaTrobe Institute of Molecular Science, U-MAX™ 150 Front Double Glazed

U-max

U-MAX™, EDGE Architectural's thermally broken suite, saves energy.

The suite controls thermal conductivity within a comprehensive range of commercial framing systems. With features like thermal break and advanced water shedding, interchangeable systems and door and sash elements, the suite offers a full range of energy-smart products.

The thermal break of U-MAX™ occurs within the glazing rebate and does not interfere with the system's clean aesthetics. Suites include 100mm centre glazed and 150mm offset glazed, where the glass set-back is in the same location. The 120mm structural glazed system is designed around simplicity of fabrication and fitting pre-glazed panels on site. Factory glazing ensures glazing and curing of tapes and sealants in a controlled environment, preserving the integrity of the structural bond. The Pressure Bar curtain wall system includes a thermal isolator: a cost effective curtain wall system for low-rise applications.

Beyond the thermal performance benefits it provides for builders faced with meeting the standards of Section J, U-MAX™ assists in the delivery of energy performance throughout the life of the building. Smart property investors choose to purchase and develop premium properties to deliver greater return on investment over time. Property owners can command higher rents in buildings with lower running costs, leading to higher property values.

U-MAX™, the new element in the smart building matrix.

U-MAX™: the suites

- U-MAX™ 100 Centre Double Glazed
- U-MAX™ 100 Front Double Glazed
- U-MAX™ 150 Front Double Glazed
- U-MAX™ 150 Front Capped Double Glazed
- U-MAX™ 150 Offset Double Glazed
- U-MAX™ 150 Structural Double Glazed
- U-MAX™ Thermal Pressure Bar System 180 Curtain Wall
- U-MAX™ Awning & Casement Sashes
- U-MAX™ Commercial Door Systems
- U-MAX™ Thermal Break Sliding Door
- U-MAX™ Bifold Door



The Clarence Reardon Centre, Springvale Botanical Cemetery

Sustainable design, innovative implementation

From the outset, the planning of Springvale Botanical Cemetery's new central precinct emphasised sustainable innovation and an integrated design approach. Architectural building form, engineering analysis and thermal performance were developed as one entity throughout the design process.

The Administration Hub serves as the principle headquarters for the cemetery's trust, featuring training rooms and amenities for employees. The Clarence Reardon Centre incorporates commercial kitchen facilities and offers clear visual connections to the Chapel building.

When an architect or engineer wants sustainable innovation for a commercial project in Australia, they want U-MAX™ thermally broken aluminium window and door systems from EDGE Architectural.

The Clarence Reardon Centre incorporates the U-MAX™ 150 Structural Glazed suite with shade-screen mullions for increased thermal performance. The team from 808 Design worked with EDGE Consult to ensure the systems met the desired sustainability and energy-efficiency standards.

In addition to insulation, the window system was customised to allow for natural ventilation and air flow.

Architect:
GHD

Builder:
ADCO Constructions

Fabricator:
808 Design

EDGE Systems:
U-MAX™ 150 Structural
Glazed with thermally
broken sun shade mullions



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.

EDGE
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A brand of Aluminium Industries

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