



urbancomfort™

THERMAL RESIDENTIAL
WINDOWS AND DOORS

CAPRAL
ALUMINIUM





Urban Comfort Thermal Residential

Capral's Urban Comfort windows and doors are purpose-designed for Australian homes, combining style, energy efficiency, and affordability to meet the demands of modern residential building applications.

Each product in the Urban Comfort range is thermally broken, a design innovation that plays a critical role in improving energy efficiency throughout Australia's diverse climate zones.

Thermally broken windows and doors help to maintain indoor comfort, lower energy bills, and contribute to sustainable building design — making them an excellent choice for architects and homeowners alike.

The range is specifically engineered to comply with Australian Building Code energy provisions, ensuring a more sustainable and comfortable living environment.

Urban Comfort reflects decades of expertise in window and door design addressing the unique challenges of Australian conditions.

WHAT IS A THERMAL BREAK?

Heat naturally moves from warmer areas to cooler ones.

When it's cold, interior warmth escapes, and when hot, outdoor heat radiates in. This makes it harder to maintain comfortable indoor temperatures and increases energy costs for heating or cooling.

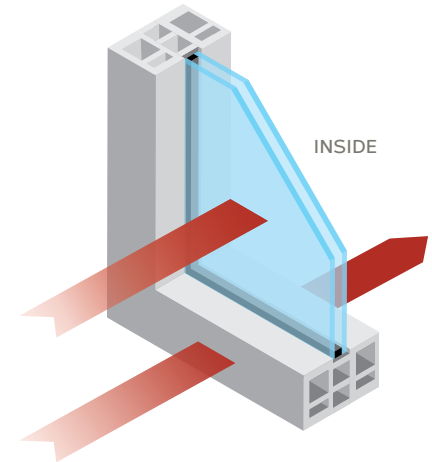
Introducing a thermal break to the window or door's frame, interrupts the flow of heat by inserting a layer of non-conductive material (usually polyamide) between the inner and outer layers of the aluminium frame. Acting as a barrier between the two aluminium sides, it dramatically reduces the transfer of heat through the frame.

The effectiveness of double glazing can be undermined by heat transfer through standard frames. A thermal break works in concert with double-glazing to create a significantly more efficient overall frame.

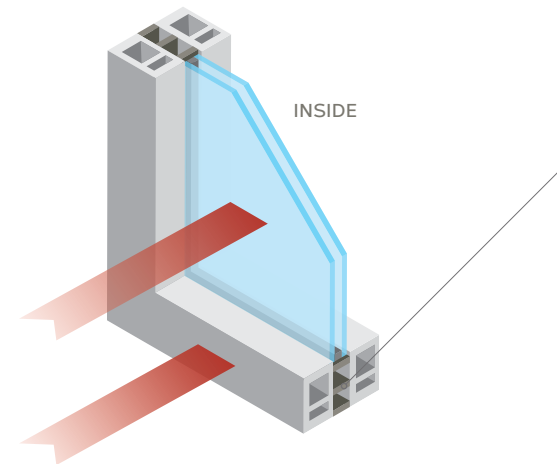
KEY FACTS

- Minimises heat transfer through the frame
- Reduces the risk of condensations
- Works alongside double glazing to maximize energy efficiency
- Offers the same strength and integrity you've come to rely on from Capral window systems.

Standard Aluminium Window



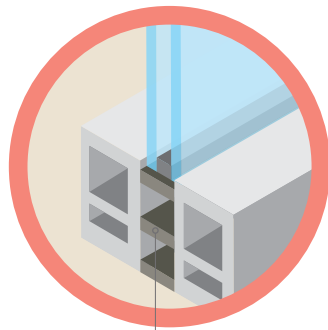
Urban Comfort Aluminium Window



ELEMENTS OF A THERMALLY BROKEN FRAME

There are several carefully engineered elements within Capral's Urban Comfort Windows and Doors.

Each plays a role in ensuring the windows and doors deliver exceptional structural, thermal and weather performance.



Thermal Break Material

A non-conductive insulating layer between the inner and outer frames. Prevents direct contact and reduces heat conduction.

Inner Aluminium Frame

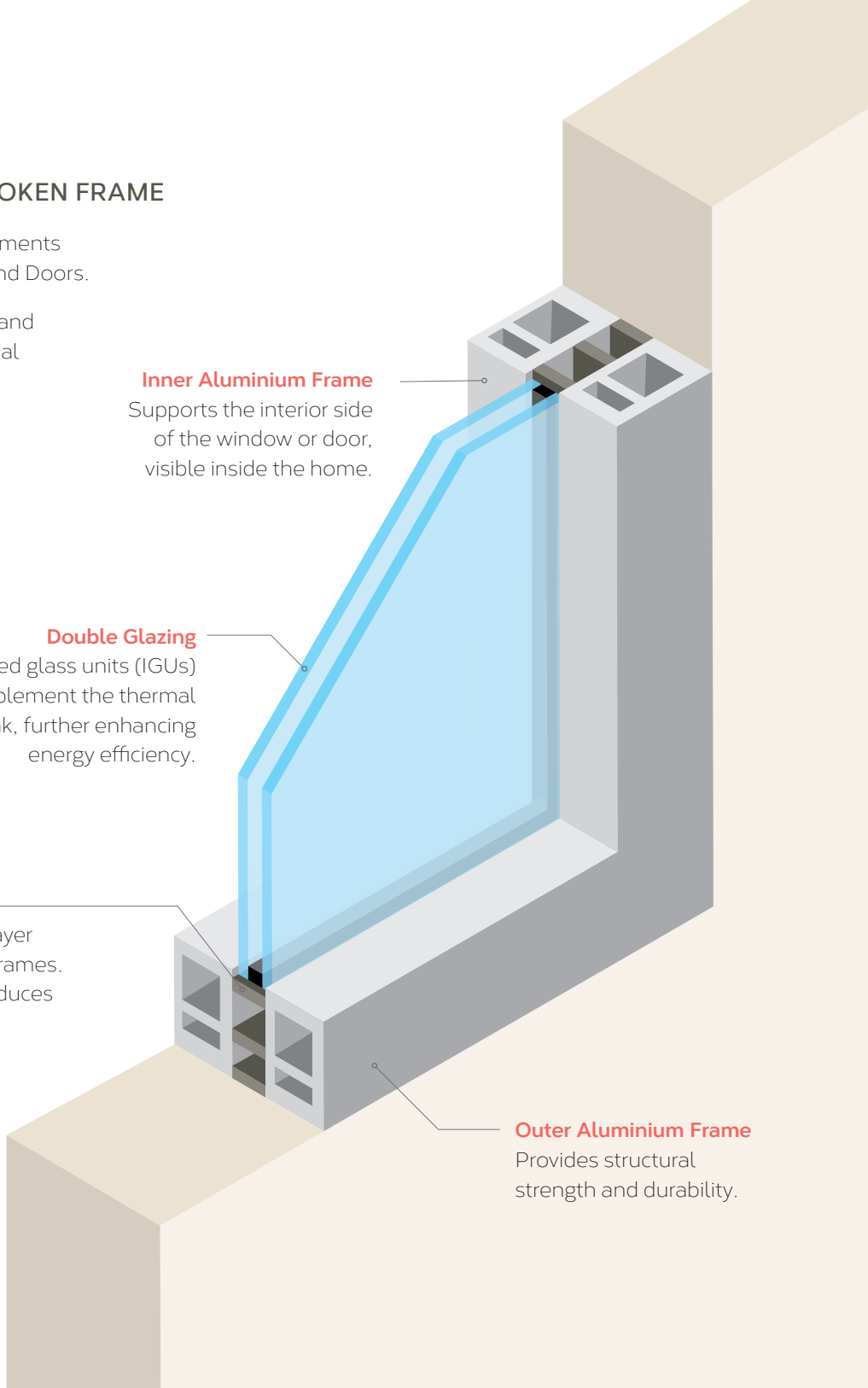
Supports the interior side of the window or door, visible inside the home.

Double Glazing

Insulated glass units (IGUs) complement the thermal break, further enhancing energy efficiency.

Outer Aluminium Frame

Provides structural strength and durability.



DESIGNED FOR AUSTRALIA, BUILT TO PERFORM

Developed in Australia by Capral, the Urban Comfort range reflects decades of expertise in window and door design, addressing the unique challenges of Australian conditions.

The systems are rigorously tested to meet and exceed AS2047 standards for strength, weather performance, and durability, ensuring they stand up to the harshest environments.

The Capral Urban Comfort range delivers a reliable, high-performing solution tailored to the needs of Australian homeowners and builders.

In hot climates, Urban Comfort:

- Reduces heat coming into the home
- Keeps interiors cooler
- Makes air conditioning more efficient

■ High humidity summer, warm winter

■ Warm humid summer, mild winter

■ Hot dry summer, warm winter

■ Hot dry summer, cool winter

■ Warm temperate

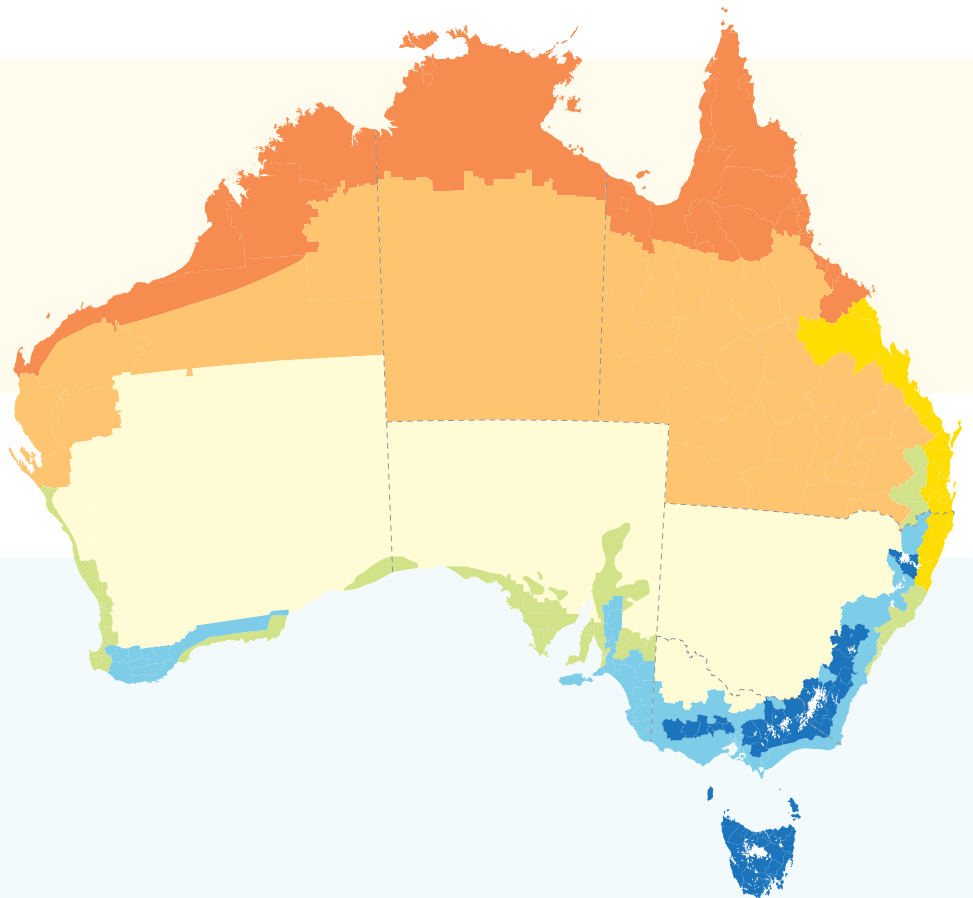
■ Mild temperate

■ Cool temperate

■ Alpine

In cool climates Urban Comfort:

- Keeps warmth inside the home
- Makes heating more efficient

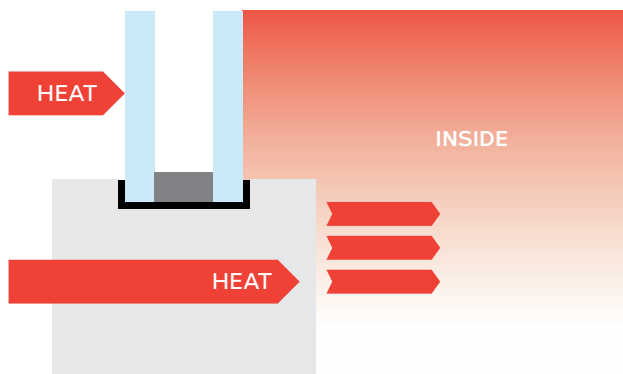


THERMAL BREAKS IN DIFFERENT CLIMATES

Thermal breaks are valuable in both hot and cold climates. This versatility makes the Urban Comfort range an effective solution for energy-efficient living all around Australia.

Hot Climate

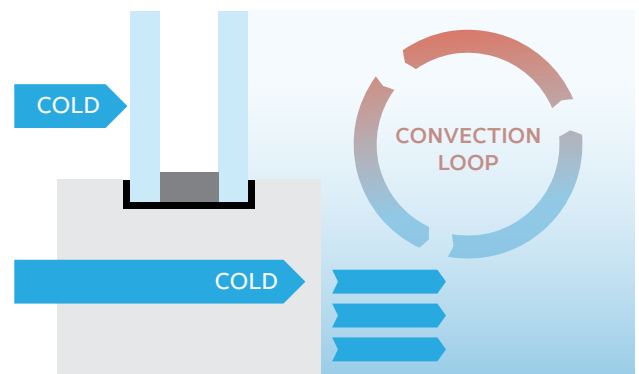
Double Glazing + Traditional Aluminium Frame



Inside air warms up from unimpeded heat coming through the frame

Cold Climate

Double Glazing + Traditional Aluminium Frame



Air inside cooled by conduction via the frame, creating a circular air flow felt inside as a cool draft.

Double Glazing + Thermal Break



External heat kept out, air conditioned air kept inside.

Double Glazing + Thermal Break



Cold outside air stays out, warmth from heating stays inside.



URBAN COMFORT
SLIDING DOOR

Capral’s Urban Comfort Thermally Broken Sliding Door is expertly designed for Australian residential applications, delivering exceptional thermal efficiency and enhanced occupant comfort. Featuring advanced thermal break technology, this versatile system offers both sliding and stacking configurations and integrates seamlessly with screening options, making it the perfect choice for modern, energy-conscious homes.

KEY FEATURES

- Energy performance with U-Values down to 2.0
- Three-track sill with integrated flyscreen variant
- Commercial frame options with linear grate drain compatibility
- 284 Sliding Door Plant-on flyscreen frame compatible
- Glazing capacity up to 18mm
- Custom designed hardware for easy fabrication
- Lock Stile design for Surface & Mortice locks
- Compatible coupled side-light configurations using 425TB and Urban Comfort 282-TB
- Urban Comfort Fixed Light compatible for high lights



MAXIMUM PERFORMANCE

Serviceability Pressure	2000Pa
Ultimate Pressure	4000Pa
Water Penetration	300Pa

FRAME DIMENSIONS

Depth	100mm
Height	48mm

MAXIMUM RECOMMENDED SIZE

Panel Height	2700mm
Panel Width	1500mm
Panel Weight	160kg

GLAZING CAPACITY

Double Glazed	16-18mm
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WINDOW ENERGY RATINGS

Window ID	Glazing	Uw	SHGC	Tvw	Air Inf
Aluminium Spacer					
CAP-584-001	6.38CPCl _r /8Ar/4Cl _r	2.6	0.50	0.60	0.48
CAP-584-003	5Gy/8Ar90/5LB	2.4	0.30	0.34	0.48
CAP-584-004	5Cl _r /8Ar90/5LB	2.4	0.46	0.63	0.48
CAP-584-005	4Optitherm/10Ar/4LoEi89 Sur4	2.0	0.44	0.62	0.48
Warm Edge Spacer					
CAP-584-002	6.38CPCl _r /8Ar/4Cl _r	2.5	0.50	0.60	0.48
CAP-584-008	5Gy/8Ar90/5LB	2.3	0.30	0.34	0.48
CAP-584-009	5Cl _r /8Ar90/5LB	2.3	0.46	0.63	0.48
CAP-584-010	4Gy/10Ar/4Cl _r	3.1	0.45	0.41	0.48

View full list of Residential and Commercial WERS rating at capral.com.au



URBAN COMFORT
AWNING WINDOW

Capral’s Urban Comfort Thermally Broken Awning Window combines sleek design with outstanding thermal performance, tailored for Australian residential applications. Featuring advanced thermal break technology, this window enhances energy efficiency and comfort while offering smooth operation, modern aesthetics, and the flexibility to suit a variety of home styles.

KEY FEATURES

- Energy performance with Awning U-Values down to 2.6, and Fixed Light to 1.6
- 50.8mm frame depth to accommodate thermal break & flyscreen
- 8G fasteners used throughout for robust construction
- Integrated insect and security screening options
- High, low, and side-lights can be coupled
- Can be coupled to 284TB Sliding Door for side and high-lights



MAXIMUM PERFORMANCE

Serviceability Pressure	Fixed: 4500Pa Awning: 2500Pa
Ultimate Pressure	Fixed: 9000Pa Awning: 6000Pa
Water Penetration	600Pa

FRAME DIMENSIONS

Depth	50.8mm
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MAXIMUM RECOMMENDED SIZE

Window	Height	Width
Hinge Awning *	2100mm	2100mm
Casement **	2100mm	750mm
Fixed Light	2400mm	1500mm

GLAZING CAPACITY

Beaded Awning	16mm-22mm
Wrap Around Sash	16mm-18mm
Fixed Light	10mm-28mm

WINDOW ENERGY RATINGS

Window ID	Glazing	Uw	SHGC	Tvw	Air Inf
Awning - Aluminium Spacer					
CAP-585-001	6.38CPCLr/12Ar/4CLr	2.9	0.40	0.47	0.46
CAP-585-002	5Gy/12Ar90/5LB	2.8	0.25	0.26	0.46
CAP-585-003	5CLr/12Ar90/5LB	2.8	0.38	0.49	0.46
CAP-585-004	4Optitherm/12Ar/4LoEi89 Sur4	2.6	0.36	0.48	0.46
Fixed Light - Aluminium Spacer					
CAP-586-001	6.38CPCLr/12Ar/6CLr	2.1	0.53	0.64	0.12
CAP-586-002	6Optitherm/12Ar/6LoEi89 Sur4	1.6	0.47	0.67	0.12
CAP-586-003	5Gy/12Ar90/5LB	1.9	0.32	0.37	0.12
CAP-586-004	5CLr-12Ar90-5LB 3	1.9	0.50	0.69	0.12

View full list of Residential and Commercial WERS rating at capral.com.au

* Max Area = 1.9m² ** Max Area = 1.2m²

A RESPONSIBLE CHOICE FOR YOUR PROJECT



The aluminium used in Capral's Urban Comfort Window and Door Systems is LocAl® Green lower-carbon aluminium. This responsibly sourced alternative is supplied as standard on all Capral windows and doors to offer significantly reduced embodied carbon compared to traditional aluminium

Coupled with Urban Comfort's advanced thermal break technology for improved energy efficiency, the range is an ideal choice for environmentally conscious construction.



Capral is Australia's only ASI Certified Aluminium Extruder, accredited by the Aluminium Stewardship Initiative (ASI), a globally recognised standard for responsible aluminium production.

ASI certification ensures compliance with stringent environmental, social, and governance practices, giving architects and builders confidence in specifying windows and doors that align with sustainability and performance goals.

Urban Comfort is a standout choice for energy-efficient, thermally comfortable, and eco-friendly Australian building projects.





CAPRICE BY CAPRAL WINDOW & DOOR HARDWARE

Designed to complement the Urban Comfort range, Caprice by Capral is a contemporary range of window and door hardware available in durable powder coat finishes.

The Caprice range is ideal for residential applications delivering a consistent, stylish, cost-effective solution for all windows and doors throughout a home.

Single Point Sliding Door Lock



Twin Point Sliding Door Lock



D'Pull Handle



Flush Pull Handle



Flush Mortise Sliding Door Lock



Single Chain Winder



Dual Winder



High Performance Dual Chain Winder



CAPRAL WINDOW AND DOOR SOLUTIONS

In addition to Urban Comfort thermally broken, Capral offers a selection of window and door ranges to suit your performance, style and budget requirements.

Find out more about Capral windows and doors:



The Urban series is a standard range of energy efficient window and doors designed to inspire your living space.

Urban products combine expert design with quality mechanisms and components ensuring smooth performance.

All Urban windows and doors are designed to contribute to increased energy performance in your home.



The Urban Plus Designer Residential range is a collection of high-performance, energy efficient window and door systems designed to inspire your living space.

Uncompromising in design, the Urban Plus Designer Residential range is engineered with superior mechanisms and components for effortless, trouble free operation.



Artisan Architectural products move and feel like no other — smooth, responsive and featuring slim lines, various sill options and panel configurations. The range looks good in both traditional and contemporary décor, making it the ideal choice for homeowners, builders, designers, and architects alike.

Artisan is suitable for both the high demands of commercial and residential applications.



The AGS Commercial range is designed to achieve the ultimate combination of architectural style and performance.

Each door and window is engineered to withstand Australia's harsh conditions, even the extremes. In fact, the AGS range is recognised as some of the best performing windows and doors on the market, all tested for heavy use commercial and residential applications.



THERMALLY BROKEN SOLUTIONS FOR ARCHITECTURAL AND COMMERCIAL PROJECTS

Futureline is Capral's architectural range of thermally broken windows and doors designed to deliver improved thermal performance for high-end and commercial residential projects..

Engineered to meet the demands of ever-increasing energy efficiency requirements, the Futureline range is versatile and stylish, delivering robust structural performance whilst achieving excellent energy efficiency outcomes.



994TB Sliding Door

A premium thermally broken sliding door for modern style, comfort, and efficiency.



Hinged Door

Designed with clean, flat faces, a thermal break, and multitude of options for design flexibility.



Awning & Casement Window

Stylish and functional thermally broken window configurable to your needs.



Vertical Sashless Window

Thermally broken double-hung window with a fresh modern design



Horizontal Sashless Window

A sleek take on the thermally broken sliding window.



Commercial Framing

Thermally broken commercial aluminium framing available in 100mm, 150mm and 250mm.

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THERMAL RESIDENTIAL

Proudly Supporting Local, Sustainable Manufacturing

All framing, window and door systems featured in this brochure are designed, tested and extruded locally by Capral as part of our **LocAl**®, **ASI Certified**, and **Australian Made** aluminium extrusion offers—championing responsible sourcing, sustainability, and Australian manufacturing.



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