



CAPRAL | future
ALUMINIUM line

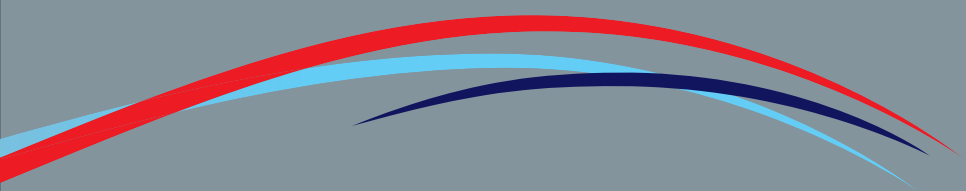
thermally broken
window and door systems



efficiency
performance
versatility style

The Futureline thermally broken glazing suite is the next step forward in the challenge to improve the thermal performance of buildings throughout Australia. Already with the market leading Architectural and Commercial product ranges, Futureline now provides an energy efficient option to Capral's Architectural offer.

Capral continues to lead the way when it comes to product performance, style and functionality and the Futureline suite is no exception. Designed to meet the demands of ever increasing energy efficiency requirements, the Futureline suite is a versatile solution providing the same architectural aesthetic used in buildings throughout Australia while providing leading thermal performance.



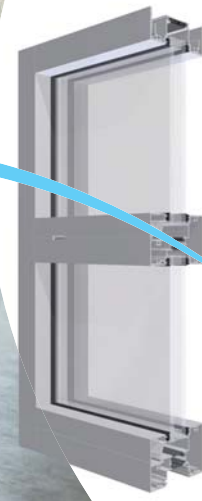
The environmental credentials of the Futureline range extend beyond its excellent thermal design performance – the actual metal itself being formed from Ecometal™ incorporating up to 25% recycled metal content and sourced from smelters using hydro-electric energy sources.

With a national network of independent fabricators who have access to our full range of products and the backing of Capral - Australia's largest manufacturer and distributor of aluminium products - you can be assured you will find the ideal fabricator for the manufacture and installation of Capral products.



thermally broken
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futureline 440TB framing system



Capral commercial glazing systems have long set the benchmark for others to match and the Capral Futureline thermally broken framing system is no exception. Modelled on the same simplicity and versatility which has long been a hallmark of Capral commercial framing systems, the Futureline framing system incorporates the glazing capacity to accommodate high performance double glazed units while retaining the crisp, clean profiles typically associated with commercial glazing systems.

The use of the latest thermal break technologies including single bar multi-hollow and double bar polyamide strips have all been incorporated into the Futureline framing system to deliver excellent levels of thermal insulation.

The Capral Futureline framing system offers the best of both worlds; a strong architectural aesthetic with a level of thermal efficiency usually associated with narrower, less substantial framing systems.

Features

- Outstanding 'Uw' values down to 1.7
- 100mm x 62mm Centre Glazed Framing System
- Crisp, clean square profiles
- Capable of accommodating IGU's up to 34mm
- Thermally broken Sub Frames
- High Performance Glazing Bead System
- Made from Ecometal™

Performance

Serviceability Pressure	Up to 4500Pa
Ultimate Pressure	Up to 8500Pa
Water Penetration	Up to 900Pa

Frame Size

Depth	100mm
Height	62mm

Maximum Recommended Size

Mullion Height	4000mm
Mullion Spacing	2400mm
Transom Width	3000mm

Glazing Capacity

Double Glazed	22 - 34mm
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Window Energy Ratings

Window ID	Glazing	Uw	SHGC	T _w	Air Inf
CAP-113-01	6-12-6	2.8	0.63	0.70	0.05
CAP-113-02	6-12Ar-6	2.7	0.64	0.70	0.05
CAP-113-03	24mm Insulglass Max 564-Air	2.0	0.25	0.57	0.05
CAP-113-04	6ET-12Ar-6	2.0	0.55	0.64	0.05
CAP-113-05	24mm Insulglass Max 564-Argon	1.7	0.25	0.57	0.05
CAP-113-06	6.38Sx-12-6	2.8	0.61	0.70	0.05
CAP-113-07	6.38Sx-12Ar-6	2.7	0.61	0.70	0.05
CAP-113-08	6.38CPClr-12-6	2.2	0.54	0.65	0.05
CAP-113-09	6.38CPClr-12Ar-6	2.0	0.54	0.65	0.05
CAP-113-10	4ET-16Ar-4ET	1.9	0.59	0.63	0.05

Full list of WERs ratings is available at www.capral.com.au

futureline 419TB framing system



The Futureline 419TB framing system incorporates the glazing capacity to accommodate high performance double glazed units while retaining the crisp, clean profiles typically associated with commercial glazing systems.

The use of the latest thermal break technologies including multi-hollow and double bar polyamide strips will deliver excellent levels of thermal insulation. Mullions and transoms have been designed to accommodate common modular construction methods, allowing it to be fabricated in a similar manner to non-thermally broken framing systems.

The Capral Futureline 419TB framing system offers the best of both worlds; a strong architectural aesthetic with a level of thermal efficiency usually associated with narrower, less substantial framing systems.

Features:

- Outstanding 'Uw' values down to 1.9
- 150mm x 62mm Front Glazed Framing System
- Crisp, clean square profiles
- Modular frame construction
- Thermally broken sub frames
- Capable of accommodating IGU's up to 34mm
- Made from Ecometal™

Performance

Serviceability Pressure	Up to 4500Pa
Ultimate Pressure	Up to 12500Pa
Water Penetration	Up to 900Pa

Frame Size

Depth	150mm
Height	62mm

Maximum Recommended Size

Mullion Height	5400mm
Mullion Spacing	2400mm
Transom Width	3000mm

Glazing Capacity

Double Glazed	22mm - 34mm
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Window Energy Ratings

Window ID	Glazing	Uw	SHGC	Tvw	Air Inf
CAP-141-01	6-12-6	3.0	0.62	0.67	0.17
CAP-141-02	6-12Ar-6	2.9	0.62	0.67	0.17
CAP-141-03	24mm Insulglass Max 564 - Air	2.1	0.25	0.55	0.17
CAP-141-04	6ETGy-12-6	2.4	0.35	0.30	0.17
CAP-141-05	24mm Insulglass Max 130 - Argon	1.9	0.20	0.26	0.17
CAP-141-06	6ET-12Ar-6	2.1	0.54	0.62	0.17
CAP-141-07	6.38Sx-12-6	3.0	0.60	0.68	0.17
CAP-141-08	6.38Sx-12Ar-6	2.8	0.60	0.68	0.17
CAP-141-09	6.38CPClr-12-6	2.3	0.53	0.63	0.17
CAP-141-10	6.38CPClr-12Ar-6	2.1	0.53	0.63	0.17

Full list of WERs ratings is available at www.capral.com.au

futureline sliding door & window

Utilising the latest in European thermal break technology, the Futureline Sliding Door and Window have been designed to compliment the rest of the Futureline range with outstanding energy ratings, crisp and clean lines, and high quality hardware.

Utilising the same frame and sash, the Sliding Door and Window only differs in the operational hardware, making a very versatile and adaptable system. Along with the outer frame, the 45mm deep sash has been designed with energy performance in mind by utilising a combination of both multi-hollow and double bar polyamide strips.

The handle design completes the door by providing an architectural finish that will look the part in any project.

Features:

- Outstanding 'Uw' values down to 2.6
- Industry standard 100mm frame with strong 45mm deep panels
- 102mm sash 'face' gives a strong architectural aesthetic with an 84mm midrail available as an option
- Mitred frame and sash corner construction with high quality hardware
- Fixed-Slide (OX), Slide-Slide (XX) and Fixed-Slide-Slide-Fixed (OXXO) configurations with stacking option available on request

Performance

Serviceability Pressure	Up to 1200Pa
Ultimate Pressure	Up to 3000Pa
Water Penetration	Up to 450Pa

Frame Size

Depth	100mm
Height	47.5mm

Maximum Recommended Size

	Door	Window
Panel Height	3000mm	2000mm
Panel Width	2400mm	2400mm
Panel Weight	200kg	200kg

Glazing Capacity

Double Glazed 24 - 34mm

Window Energy Ratings

Window ID	Glazing	Uw	SHGC	Tvw	Air Inf
CAP-132-01	6-12-6	3.3	0.38	0.39	0.70
CAP-132-02	6ET-12-6	2.9	0.33	0.36	0.70
CAP-132-03	24mm Insulglass Max 564 - Air	2.8	0.16	0.32	0.70
CAP-132-04	6.38Sx-12-6	3.3	0.36	0.39	0.70
CAP-132-05	6.38CPClr-12-6	2.9	0.32	0.36	0.70
CAP-132-06	6-12Ar-6	3.2	0.38	0.39	0.70
CAP-132-07	6ET-12Ar-6	2.8	0.33	0.36	0.70
CAP-132-08	24mm Insulglass Max 564 - Argon	2.6	0.16	0.32	0.70
CAP-132-09	6.38Sx-12Ar-6	3.2	0.36	0.39	0.70
CAP-132-10	6.38CPClr-12Ar-6	2.7	0.32	0.36	0.70
CAP-132-11	6Gy-12-6Clr	3.3	0.25	0.18	0.70

Full list of WERs ratings is available at www.capral.com.au

futureline lift & slide door

Futureline Lift and Slide Doors offer the ultimate in quality and performance effectively being walls of glass that can slide effortlessly using a single hand. The Futureline Lift and Slide is a stunning example of its kind, utilising the same outstanding thermal break technology and crisp and clean lines as the Futureline Sliding Door and Window.

By having the same frame and sash as the Futureline Sliding Door and Window, the Lift and Slide blends seamlessly with the rest of the Futureline range. Its special hardware, that enables the lift and slide functionality, is a high end European system meaning that the quality and durability of the product is difficult to match. The Lift and Slide has a 45mm deep sash, midrail option and supports multiple configurations. The handle design completes the door by providing an architectural finish.

Features:

- Outstanding 'Uw' values down to 2.2
- Industry standard 100mm frame with strong 45mm deep panels
- 102mm sash 'face' gives a strong architectural aesthetic with an 84mm midrail available as an option
- Mitred frame and sash corner construction with high quality hardware
- Fixed-Slide (OX) and Slide-Slide (XX) configurations

Performance

Serviceability Pressure	Up to 1200Pa
Ultimate Pressure	Up to 2300Pa
Water Penetration	Up to 450Pa

Frame Size

Depth	100mm
Height	47.5mm

Maximum Recommended Size

Panel Height	3000mm
Panel Width	2400mm
Panel Weight	300kg

Glazing Capacity

Double Glazed	24 - 34mm
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Window Energy Ratings

Window ID	Glazing	Uw	SHGC	T _w	Air Inf
CAP-133-01	6-12-6	3.1	0.47	0.50	0.67
CAP-133-02	6ET-12-6	2.6	0.41	0.46	0.67
CAP-133-03	24mm Insulglass Max 564 - Air	2.4	0.19	0.40	0.67
CAP-133-04	6.38Sx-12-6	3.1	0.45	0.50	0.67
CAP-133-05	6.38CPClR-12-6	2.6	0.40	0.46	0.67
CAP-133-06	6-12Ar-6	3.0	0.47	0.50	0.67
CAP-133-07	6ET-12Ar-6	2.4	0.40	0.46	0.67
CAP-133-08	24mm Insulglass Max 564 - Argon	2.2	0.19	0.40	0.67
CAP-133-09	6.38Sx-12Ar-6	3.0	0.45	0.50	0.67
CAP-133-10	6.38CPClR-12Ar-6	2.4	0.40	0.46	0.67
CAP-133-11	6Gy-12-6Clr	3.1	0.30	0.23	0.37

Full list of WERs ratings is available at www.capral.com.au



futureline hinged door

The Futureline Hinged Door system integrates seamlessly into the Futureline framing system to provide a high quality, thermally broken hinged door option.

The 46mm door panel has been designed with clean, flat faces and a choice of standard or tall door rail options for added design flexibility. Midrails are also available to create a segmented look or to align with adjacent transoms.

High quality hardware is featured throughout including heavy duty corner spigots, hinges and optional multi-point locks.

The door panel profiles incorporate a pair of wide thermal spacers to minimise heat transfer while a selection of glazing bead options accommodate double glazing up to a width of 32mm.

Features:

- Outstanding 'Uw' values down to 2.5
- Industry standard 46mm door panel profile
- Two rail and midrail (standard and tall) options
- Spigot corner joints
- Crisp, clean square profiles
- Capable of accommodating IGU's up to 32mm
- High quality hardware

Performance

Serviceability Pressure	Up to 1500Pa
Ultimate Pressure	Up to 2500Pa
Water Penetration	Up to 600Pa

Frame Size

Rail Depth	46mm
Rail Height	89 or 120mm

Maximum Recommended Size

Panel Height	2700mm
Panel Width	1000mm
Panel Weight	115kg

Glazing Capacity

Double Glazed	19 - 32mm
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Window Energy Ratings

Window ID	Glazing	Uw	SHGC	Tvw	Air Inf
CAP-115-01	6-12-6	3.3	0.48	0.51	0.27
CAP-115-02	6-12Ar-6	3.2	0.48	0.51	0.27
CAP-115-03	24mm Insulglass Max 564 - Air	2.7	0.20	0.41	0.27
CAP-115-04	6ET-12Ar-6	2.7	0.42	0.47	0.27
CAP-115-05	24mm Insulglass Max 564 - Argon	2.5	0.20	0.41	0.27
CAP-115-06	6.38Sx-12-6	3.3	0.46	0.51	0.27
CAP-115-07	6.38Sx-12Ar-6	3.2	0.46	0.51	0.27
CAP-115-08	6.38CPClr-12-6	2.8	0.41	0.47	0.27
CAP-115-09	6.38CPClr-12Ar-6	2.7	0.41	0.47	0.27
CAP-115-10	4ET-16Ar-4ET	2.6	0.45	0.46	0.27

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futureline awning & casement window

Designed to complement the excellent thermal performance of the Futureline framing system, the Futureline Awning and Casement window system offers a stylish and functional operable window option.

The 54mm sash profile incorporates a pair of high performance polyamide strips to efficiently minimise heat transfer, while internal and external weather seals combined with an overlapping frame design offer a high level of weather-tightness.

The Futureline Awning and Casement window features the option of fully integrated screening and the flexibility of either sash handles or sash operator options. Robust sash construction and corner strength is assured with the use of high quality European corner clamping components.

Features

- Outstanding 'Uw' values down to 2.7
- 54mm heavy duty sash profile
- Double weather seals
- Capable of accommodating IGU's up to 40mm
- Mitred corner construction with high quality hardware

Performance

Serviceability Pressure	Up to 2200Pa
Ultimate Pressure	Up to 4500Pa
Water Penetration	Up to 1000Pa

Frame Size

Sash Depth	54mm
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Maximum Recommended Size Awning

Height	Up to 1800mm
Width	Up to 1500mm
Total Area	Up to 1.8m ² (Alu) Up to 2.3m ² (SS)
Weight	43kg

Casement

Height	Up to 1800mm
Width	Up to 900mm
Total Area	Up to 1.8m ²
Weight	40kg

Glazing Capacity

Double Glazed	15 - 40mm
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Window Energy Ratings

Window ID	Glazing	Uw	SHGC	T _w	Air Inf
CAP-116-01	6-12-6	3.5	0.45	0.48	0.24
CAP-116-02	6-12Ar-6	3.4	0.45	0.48	0.24
CAP-116-03	24mm Insulglass Max 564 - Air	2.9	0.19	0.39	0.24
CAP-116-04	6ET-12Ar-6	2.9	0.39	0.44	0.24
CAP-116-05	24mm Insulglass Max 564 - Argon	2.7	0.18	0.39	0.24
CAP-116-06	6.38Sx-12-6	3.5	0.44	0.48	0.24
CAP-116-07	6.38Sx-12Ar-6	3.4	0.44	0.48	0.24
CAP-116-08	6.38CPClr-12-6	3.0	0.39	0.44	0.24
CAP-116-09	6.38CPClr-12Ar-6	2.9	0.38	0.44	0.24
CAP-116-10	4ET-16Ar-4ET	2.8	0.42	0.43	0.24

Full list of WERs ratings is available at www.capral.com.au







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Capral Limited ABN 78 004 213 692 | March 2017

