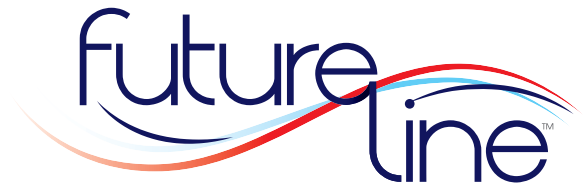




future  
line™

thermally broken window and door systems





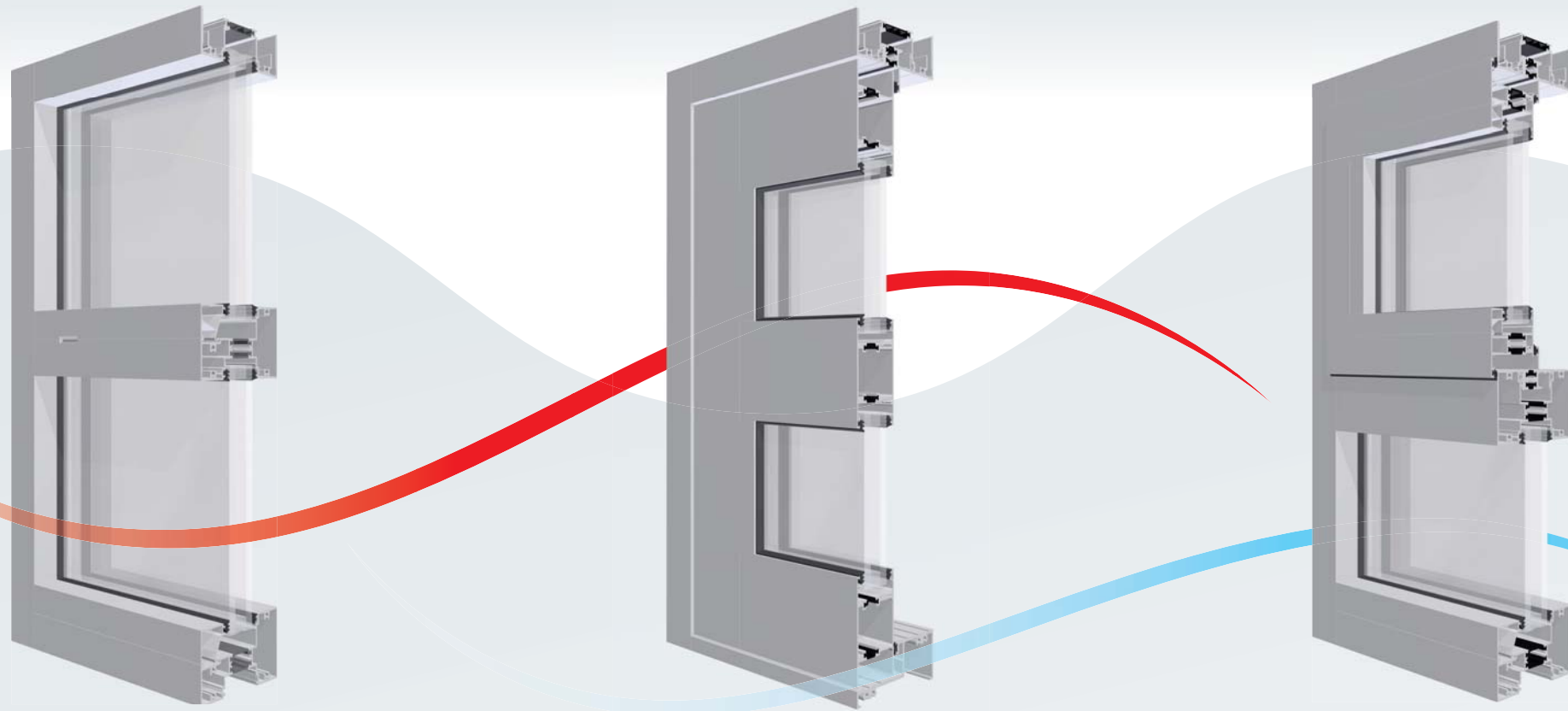
efficiency  
performance  
versatility **style**

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.



## 440TB Framing System

Capral commercial glazing systems have long set the benchmark for others to match and the new Capral Futureline 440TB 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 440TB 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 440TB framing system to deliver excellent levels of thermal insulation.

The Capral Futureline 440TB 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 1.70
- 100mm x 62mm Metric Framing System
- Crisp, clean square profiles
- Capable of accommodating IGU's up to 34mm
- Thermally broken Sub Frames
- High Performance Glazing Bead System
- Compatible with Futureline 46D Hinged Door, and 54W Awning and Casement Window Systems

Performance		Maximum Recommended Size	
Serviceability Pressure	Up to 4500Pa	Mullion Height	4000mm
Ultimate Pressure	Up to 7500Pa	Mullion Spacing	2400mm
Water Penetration	Up to 900Pa	Transom Width	3000mm
Glazing Capacity			
Double Glaze	22 - 34mm		
Frame Size			
Depth	100mm		
Height	62mm		

## 46D Hinged Door

The Futureline 46D Hinged Door system integrates seamlessly into the Futureline 440TB 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 thermally isolated hinges, heavy duty corner spigots 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 2.6
- 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
- Compatible with Futureline 440TB Framing and 54W Awning and Casement Window Systems

Performance		Maximum Recommended Size	
Water Penetration	Up to 600Pa	Panel Height	2700mm
Frame Size		Panel Width	1000mm
Door Depth	46mm	Panel Weight	115kg
Rail Height	89 or 120mm		
Glazing Capacity			
Double Glaze	19 - 32mm		

## 54W Awning and Casement Window

Designed to complement the excellent thermal performance of the Futureline 440TB framing system, the Futureline 54W 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 54W 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
- Compatible with Futureline 440TB Framing and 46D Hinged Door systems

Performance		Maximum Recommended Size	
Water Penetration	Up to 1000Pa	<b>Awning</b>	
Frame Size		Height	1800mm
Window Sash Depth	54mm	Width	1500mm
Glazing Capacity		Total Area	2.3m <sup>2</sup>
Double Glaze	15 - 40mm	Weight	43kg
		<b>Casement</b>	
		Height	1800mm
		Width	900mm
		Total Area	1.8m <sup>2</sup>
		Weight	40kg

## Window Energy Ratings

### 440 FUTURELINE FRAMING

Window ID	Glazing	Uw	SHGC	Tvis
CAP-113-01	6-12-6	2.8	0.63	0.70
CAP-113-02	6-12Ar-6	2.7	0.64	0.7
CAP-113-03	6HP564-12-6	2.0	0.25	0.57
CAP-113-04	6ET-12Ar-6	2.0	0.55	0.64
CAP-113-05	6HP564-12Ar-6	1.7	0.25	0.57
CAP-113-06	638CPClr-12Ar-6	2.0	0.54	0.65
CAP-113-07	638CPclr-12-6	2.2	0.54	0.65
CAP-113-08	6.38Sx-12-6	2.8	0.61	0.70
CAP-113-09	6.38Sx-12Ar-6	2.7	0.61	0.70
CAP-113-10	4EA-16Ar-4EA	1.9	0.59	0.63

### 440 FUTURELINE HINGED DOOR

Window ID	Glazing	Uw	SHGC	Tvis
CAP-115-01	6-12-6	3.4	0.48	0.51
CAP-115-02	6-12Ar-6	3.3	0.48	0.51
CAP-115-03	6HP564-12-6	2.7	0.2	0.41
CAP-115-04	6ET-12Ar-6	2.7	0.42	0.47
CAP-115-05	6HP564-12Ar-6	2.6	0.2	0.41
CAP-115-06	6.38Sx-12-6	3.4	0.47	0.51
CAP-115-07	6.38Sx-12Ar-6	3.3	0.47	0.51
CAP-115-08	638CPClr-12Ar-6	2.7	0.41	0.48
CAP-115-09	638CPclr-12-6	2.9	0.41	0.48
CAP-115-10	4EA-16Ar-4EA	2.7	0.45	0.47

### 440 FUTURELINE AWNING

Window ID	Glazing	Uw	SHGC	Tvis
CAP-116-01	6-12-6	3.5	0.45	0.48
CAP-116-02	6-12Ar-6	3.4	0.45	0.48
CAP-116-03	6HP564-12-6	2.9	0.19	0.39
CAP-116-04	6ET-12Ar-6	2.9	0.39	0.44
CAP-116-05	6HP564-12Ar-6	2.7	0.18	0.39
CAP-116-06	6.38Sx-12-6	3.5	0.43	0.48
CAP-116-07	6.38Sx-12Ar-6	3.4	0.43	0.48
CAP-116-08	638CPClr-12-6	3.0	0.38	0.44
CAP-116-09	638CPclr-12Ar-6	2.9	0.38	0.44
CAP-116-10	4EA-16Ar-4EA	2.8	0.42	0.43



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