



TREND
WINDOWS

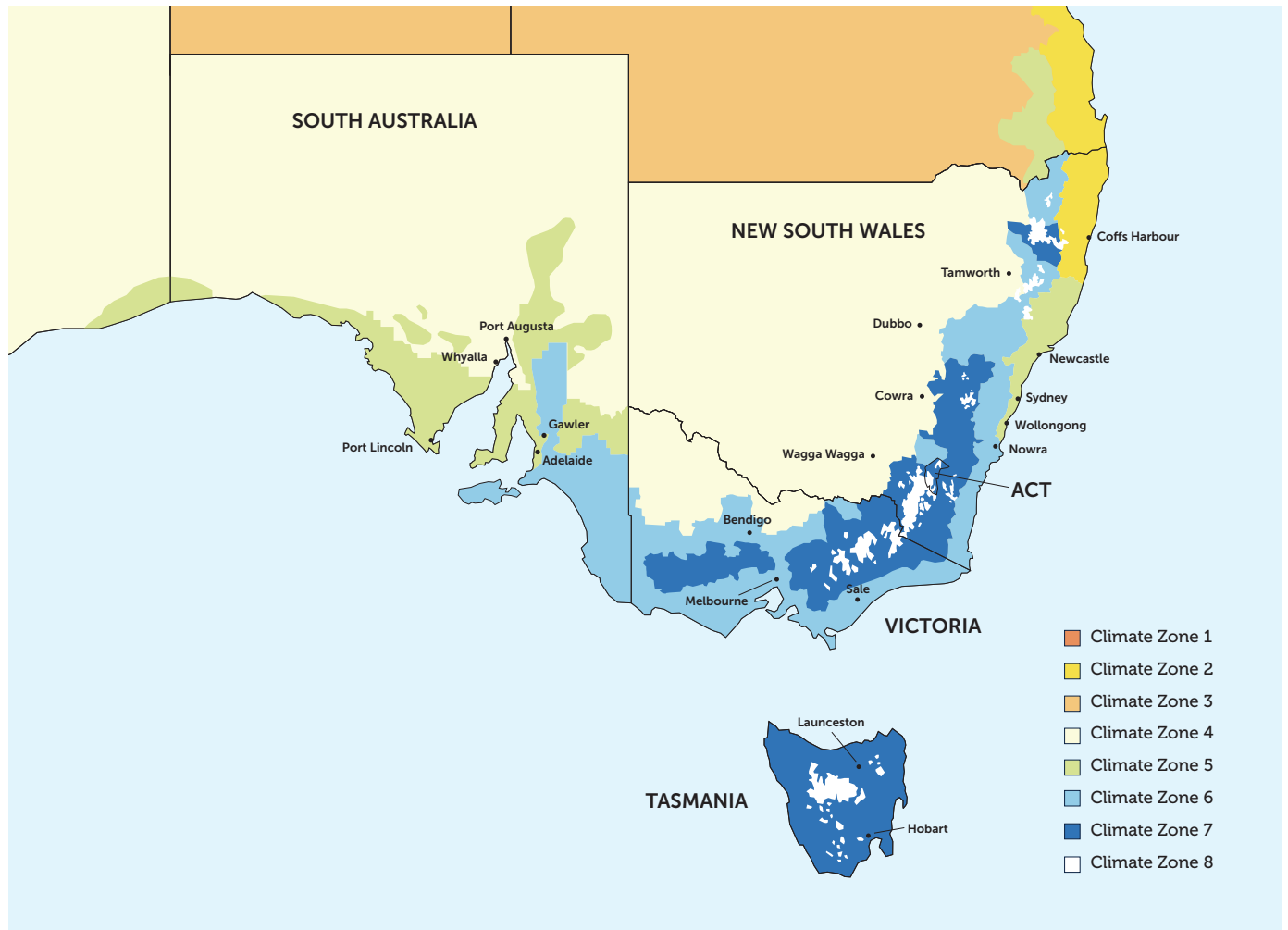
& DOORS

WINDOW AND DOOR SPECIFICATION FOR 7-STARS

ACHIEVING ENERGY EFFICIENCY

What steps can you take to improve your Window and Door energy performance?

When evaluating the performance of your Windows and Doors, several factors must be considered when deciding the best options for keeping your home thermally comfortable. Glazing has the greatest impact and which glass is best for your home depends on your climate zone and whether more energy is used heating or cooling your house.



The above map highlights the different Climate Zones throughout south-east Australia. Source: abcb.gov.au

Cold Climate Zones

Climate Zones 6, 7 and 8 are considered cold climates and home designs need to pay the most attention to effective heating. These Climate Zones require windows and doors with a low U Value (which denotes better insulation) and high Solar Heat Gain Coefficient (SHGC) (to capture free heat from the sun).

Mixed Climate Zones

Climate Zones 4 and 5 are considered mixed climates and need to achieve a balance between reducing cooling needs in summer and reducing heating needs in winter. For these Climate Zones, your windows and doors should have both a low U value and a low SHGC to reduce the heat from the sun entering your house.

For Climate Zones 2 and 3 refer to our QLD "Window and Door Specification for 7-Stars" guide.

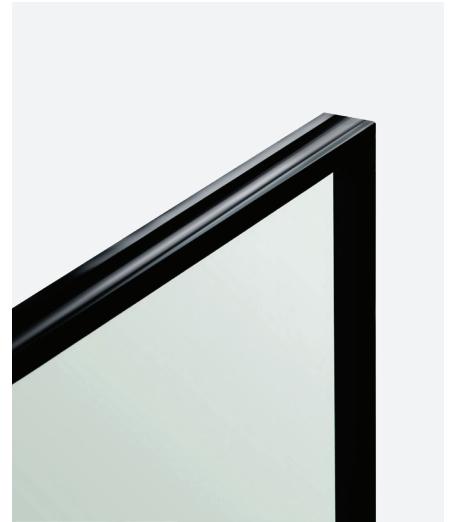
To make your selection easier, we've created a good, better, and best offer with tiered performance levels. While performance will be a major consideration in deciding which glass to use, other factors such as cost, window colour, availability, and lead times may also play a role. There are many other options available to meet a variety of needs; please contact your Trend representative for more information.

Good 

DOUBLE GLAZED - LOW E THERMAHYBRID

Applying a high-performance soft coat Low E coating to your double glazing minimises heat loss to the external environment, reducing the window's U value. Soft coat Low E is the highest performing Low E, with the coating applied to the inside pane of the glass.

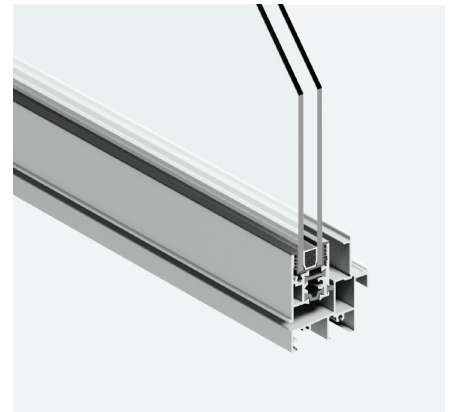
Combine this with ThermaHybrid our newly developed hybrid series that uses our Quantum or Synergy frame with an enhanced Thermally Broken sash or panel, achieving higher energy performance without significant change to the build cost.



Better 

DOUBLE GLAZING - DOUBLE COAT LOW E THERMAHYBRID

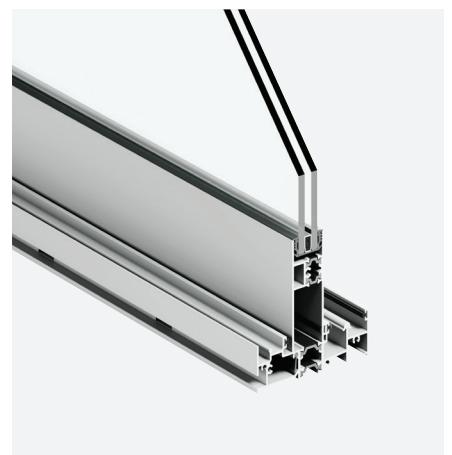
For better performance choose the ThermaHybrid with a Low E Double-Glazed unit with a Low E coating on two panes of the glass. The two coatings of Low E lower the U value even more, for improved comfort inside the home.



Best 

DOUBLE GLAZING - DOUBLE COAT LOW E THERMARES AND THERMAARC

Our best-performing product for energy efficiency is our ThermaRange fully thermally broken aluminium product with a Low E Double-Glazed unit, using a Low E coating on two panes. With thermally broken aluminium you get the best of both worlds – a balance of innovative style blended seamlessly with energy-efficient performance.



Colour choice can also play a part in achieving Energy Efficiency; Darker colours are preferable in cooler climates to capture and transfer radiant heat into the interior of the dwelling. Whereas in mixed climates medium colours are preferable to reflect the radiant heat away from the inside of the home.

In addition to good design and orientation, the products and glazing we recommend below will assist in achieving 7-stars for your building.

WERS Code	Product Series	Option	Glass Type	U Value	SHGC	Reduction % of U Value
Residential Awning Window						
TND-002-015	Synergy	Standard	Clear IGU	4.1	0.57	-
TND-002-028	Synergy	Good	Low E Clear IGU	3.3	0.45	20%
TND-120-002	ThermaHybrid	Good	Low E Clear IGU	2.9	0.46	29%
TND-120-023	ThermaHybrid	Better	Double Coat Low E IGU	2.7	0.43	34%
TND-102-033	ThermaRes	Best	Double Coat Low E IGU	2	0.38	51%
Residential Sliding Window						
TND-001-015	Synergy	Standard	Clear IGU	4.2	0.58	-
TND-001-021	Synergy	Good	Low E Clear IGU	3.2	0.46	24%
TND-001-300	Synergy	Better	Double Coat Low E IGU	3.0	0.42	29%
TND-104-024	ThermaRes	Best	Double Coat Low E IGU	2.5	0.48	40%
Residential Sliding Door						
TND-017-009	Synergy	Standard	Clear IGU	3.8	0.63	-
TND-017-022	Synergy	Good	Low E Clear IGU	2.8	0.49	26%
TND-017-300	Synergy	Better	Double Coat Low E IGU	2.6	0.45	32%
TND-108-024	ThermaRes	Best	Double Coat Low E IGU	1.7	0.44	55%
Architectural Awning Window						
TND-060-002	Quantum	Standard	Clear IGU	4.5	0.49	-
TND-060-053	Quantum	Good	Low E Clear IGU	3.9	0.39	13%
TND-031-300	Quantum	Better	Double Coat Low E IGU	3.7	0.36	18%
TND-103-020	ThermaArc	Best	Double Coat Low E IGU	2.1	0.35	53%
Architectural Sliding Door						
TND-017-009	Quantum	Standard	Clear IGU	3.8	0.63	-
TND-017-013	Quantum	Good	Low E Clear IGU	2.9	0.48	24%
TND-917-300	Quantum	Better	Double Coat Low E IGU	2.4	0.44	37%
TND-109-051	ThermaArc	Best	Double Coat Low E IGU	1.9	0.42	50%



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