

VIC, ACT & TAS

TREND[®]
WINDOWS

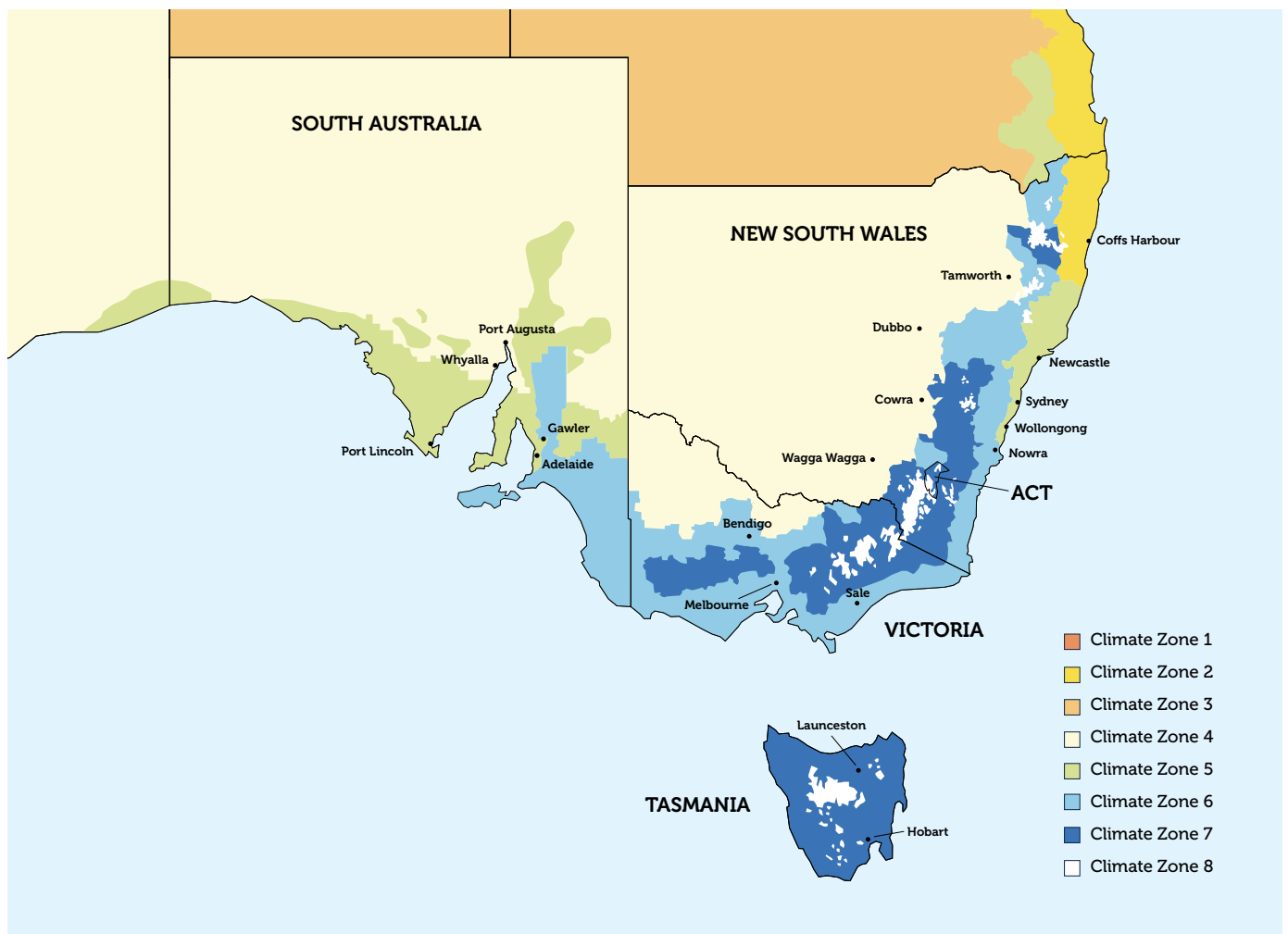
& DOORS

WINDOW AND DOOR SPECIFICATION FOR 7-STARS

ACHIEVING ENERGY EFFICIENCY

What are the steps you can take to improve your Window and Door performance from an Energy Efficiency standpoint?

When it comes to evaluating the performance of your Windows and Doors, there are several factors to be considered when deciding the best options for keeping your home thermally comfortable. Glazing has the greatest impact and which glass is best depends on your climate and whether more energy is used heating or cooling your house: 'Climate zones' are defined by the Australian Building Codes Board, referenced in the National Construction Code and they are used in energy rating a home.



The above map highlights the different climate zones you'll find throughout Victoria, the Australian Capital Territory and Tasmania. Source: abcb.gov.au

Victoria, the Australian Capital Territory and Tasmania have multiple climate zones:

This document deals with Climate zones 6, 7 and 8 which are considered heating climates, requiring windows and doors with a low U Value (which denotes better insulation) and high Solar Heat Gain Co-efficient (SHGC) (to capture free heat from the sun).

For the Central Victorian region from Shepparton to the NSW border and out to Echuca (Climate zone 4), please refer to our NSW guide.

Some options for improving your Energy Efficiency through glass are as follows:



Good

DOUBLE GLAZED - LOW E

By apply a high-performance soft coat Low E coating to your double glazing it minimise heat loss to the external environment, reducing the windows U value to meet 7-star compliance. Soft coat Low E is the highest performing Low E – the coating is applied to the inside pane of the glass.



Better

DOUBLE GLAZING - DOUBLE COAT LOW E

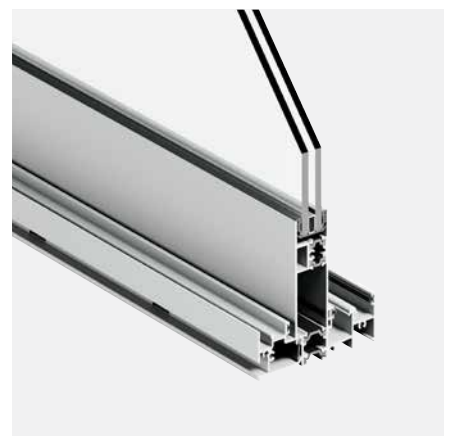
For even better performance for more demanding climate zones, orientations or house designs, you can choose a Double Coat Low E Double-Glazed unit, using a Low E coating on 2 panes. The 2 coatings lower the U value even more, for improved comfort inside the home.



Best

DOUBLE GLAZING - DOUBLE COAT LOW E - THERMALLY BROKEN

Our best performing product for energy efficiency is our ThermaRange thermally broken aluminium frame with a Low E Double-Glazed unit, using a Low E coating on 2 panes. With thermally broken aluminium you get the best of both worlds – a balance of innovative style blended seamlessly with energy-efficient performance.



While performance will be a very important factor in determining what glass you ultimately choose, other considerations such as cost, window colours, availability and lead times may influence your decision. There are many other options available to suit a range of requirements, please speak to your Trend representative for more information.

Victoria, the ACT and Tasmania are classified as heating climate zones, meaning that energy is predominately used to heat the home.

Colour choice can also play a part in achieving Energy Efficiency in conjunction with U Value and SHGC; Darker colours are preferable to capture and transfer radiant heat into the interior of the dwelling.

Under the NCC 2022 Energy Efficiency Provisions, all new homes and building permits issued in Victoria from May 1st 2024 will need to meet a minimum energy efficiency rating of 7-stars. 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-002-019	Synergy	Good	Low E Clear IGU	3.3	0.45	20%
TND-120-023	Synergy	Better	Double Coat Low E IGU - TB Sash	2.7	0.41	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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