TREND® WINDOWS & DOORS

WINDOW AND DOOR SPECIFICATION FOR 7-STARS

ACHIEVING ENERGY EFFICIENCY

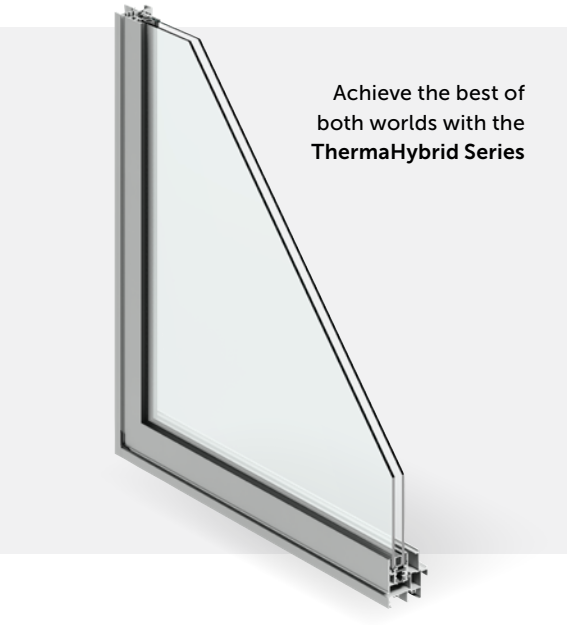
Under the NCC 2022 Energy Efficiency Provisions, all new homes must meet a minimum energy efficiency rating of 7 stars. Here we'll help you understand how your windows and doors can help you achieve this, regardless of whether you're building or renovating.

Achieving greater performance with ThermaHybrid

Energy efficiency exists on a scale, with cost and design preferences changing what you might choose for your home. ThermaHybrid offers the best of both worlds, a low U Value to achieve 7-star performance, without the cost of a fully thermally broken solution.

What does this mean for the U Value of your windows and doors?

One of the most effective ways to achieve 7-stars in your home is by selecting windows and doors with a low U value, which indicates better insulation.



Achieve the best of both worlds with the ThermaHybrid Series

Introducing the Good, Better, Best, Superior offer

Good

THERMAHYBRID

Clear DG
U.Value 3.7

Our **Good** option for those seeking to upgrade the energy efficiency performance of their windows and doors at no extra cost. Using Trend's Quantum and Synergy frames with an enhanced thermally broken Sash or Panel to help achieve better performance.

Better

THERMAHYBRID

Single 'Soft' Coat Low E
U.Value 2.9

For even **Better** performance in more demanding climate zones, orientations, or house designs, you can apply a single 'Soft' Low E coating to your glass, afurther minimising heat loss to the external environment.

Best

THERMAHYBRID

Double 'Soft' and Hard' Coat Low E
U.Value 2.7

Our **Best** performing glass is a Double-Glazed Double-Coat Low E unit, using both a Soft and Hard Low E coating on surfaces 2 and 4 of your glass. These two coatings lower the U Value even more.

Superior

THERMARES AND THERMAARC

- Single & Double Low E Coat
U.Value 2.0

Our **Superior** offering means you choose from either our ThermaRes or ThermaArc series, both fully thermally broken.

Available with Single or Double-Coat Low E double-glazing, providing a range of options to suit the most advanced energy needs.

Applying this to your build

For the standard single-storey and double-storey home, it's easy to choose from our good, better and best options for the ThermaHybrid. Alongside design and orientation, the products and glazing below will assist in achieving 7-stars for your building.

DG - Double Glazed Unit

TB - Fully Thermally Broken

Single coat - Soft Coat Low E

Double coat - Soft & Hard Coat Low E

SD - Sliding Door

Single Storey Detatched
Up to 27% glazing ratio

Double Storey Townhouse
Up to 20% glazing ratio

Double Storey Detatched
Up to 28% glazing ratio

		Awning	Fixed	SD	Single Storey	Townhouse	Double Storey
Good	ThermaHybrid • DG Clear	3.7	3.2	3.7	Clear DG Glass UV Range - 3.5 - 4.0+	Clear DG Glass UV Range - 3.0 - 3.5+	–
Better	ThermaHybrid • DG Single Coat Low E	2.9	2.2	2.8	DG Single Coat Low E UV Range - 2.5 - 3.0	DG Single Coat Low E UV Range - 2.5 - 3.0	DG Single Coat Low E UV Range - 2.5 - 3.0
Best	ThermaHybrid • DG Double Coat Low E	2.7	2.2	2.6	–	DG Double Coat Low E UV Range - 2.0 - 2.5	DG Double Coat Low E UV Range - 2.0 - 2.5
Superior	ThermaRes • DG TB Single Coat Low E	2	1.4	1.7	–	–	DG TB Single Coat Low E UV Range - 1.5 - 2.0

Window manufacturer performance comparison*

Good — **ThermaHybrid** DG Clear

Performance comparison based on Standard Residential Awning Frames.

U-Value	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5
Trend	TND-120-001							3.7		
Southern Star	SSW-011-004							3.8		
SEM	SEM-002-001							3.8		
Bradnams	BRD-189-005							3.8		
Dowell	DOW-005-001							3.9		
AWS	AWS-006-303								4.2	
Green Life	GRN-016-001								4.4	
Jolong	JLN-002-010									5

Better — **ThermaHybrid** DG Single Coat Low-E

Performance comparison based on Standard Residential Awning Frames.

U-Value	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5
Trend	TND-120-002					2.9				
Dowell	DOW-005-007					3.0				
Bradnams	BRD-189-014					3.0				
Southern Star	SSW-011-006					3.1				
AWS	AWS-006-314						3.3			
SEM	SEM-002-004							3.5		
Green Life	GRN-016-002							3.6		
Jolong	JLN-002-004									4.6

Superior — **ThermaArc** Thermally Broken DG Single Coat Low-E

Performance comparison based on Semi-Commercial Thermally Broken Awning Frames. TND-115-029 is Trend's inline reveal ThermaArc Awning window.

U-Value	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5
Trend	TND-115-029				2.15					
Bradnams	BRD-097-319				2.16					
Southern Star	SSW-036-030				2.43					
Jolong	JLN-033-006				2.44					
Green Life	GRN-001-008				2.51					
AWS	AWS-035-108					2.7				
SEM	SEM-018-006						3.4			

*The data for the above U Value comparison was taken from the publicly accessible WERSLink website (werslink.com.au), captured on 17th March 2025. Products included in the comparison closely align with the characteristics of the products being compared: aluminium residential windows (approximately 60mm depth) and semi-commercial thermally broken windows (80–100+mm depth). Each category compares the most similar glass thickness and specs; where the same glass thickness/spec's are not available, the closest match is used.

Dive deeper into the numbers

Please see below for a guide to our Good, Better, Best and Superior offer.

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-120-001	ThermaHybrid	Good	Clear IGU	3.7	0.59	10%
TND-120-002	ThermaHybrid	Better	Low E Clear IGU	2.9	0.46	29%
TND-120-008	ThermaHybrid	Best	Double Coat Low E IGU	2.7	0.41	34%
TND-102-026	ThermaRes	Superior	Low E Clear IGU	2.2	0.42	46%
Residential Fixed Window						
TND-003-005	Synergy	Standard	Clear IGU	3.2	0.70	-
TND-003-008	Synergy	Good	Hardcoat Low E IGU	2.4	0.66	25%
TND-003-038	Synergy	Better	Low E Clear IGU	2.2	0.50	31%
TND-003-004	Synergy	Best	Double Coat Low E IGU	2.2	0.49	31%
TND-100-035	ThermaRes	Superior	Low E Clear IGU	1.7	0.53	47%
Residential Sliding Window						
TND-001-015	Synergy	Standard	Clear IGU	4.2	0.58	-
TND-001-030	Synergy	Good	Low E Clear IGU	3.3	0.47	21%
TND-001-300	Synergy	Better	Double Coat Low E IGU	3.0	0.42	29%
TND-104-018	ThermaRes	Best	Low E Clear IGU	2.2	0.50	48%
TND-104-007	ThermaRes	Superior	Double Coat Low E IGU	2.0	0.45	52%
Residential Sliding Door						
TND-017-011	Synergy	Standard	Clear IGU	3.0	0.59	-
TND-017-022	Synergy	Good	Low E Clear IGU	2.8	0.49	7%
TND-017-300	Synergy	Better	Double Coat Low E IGU	2.6	0.45	13%
TND-108-015	ThermaRes	Best	Low E Clear IGU	1.9	0.49	37%
TND-108-024	ThermaRes	Superior	Double Coat Low E IGU	1.7	0.44	43%
Architectural Awning Window						
TND-060-001	Quantum	Standard	Clear IGU	4.6	0.49	-
TND-119-001	ThermaHybrid	Good	Clear IGU	4.3	0.56	7%
TND-119-003	ThermaHybrid	Better	Low E Clear IGU	3.5	0.44	24%
TND-119-014	ThermaHybrid	Best	Double Coat Low E IGU	3.4	0.40	26%
TND-103-018	ThermaArc	Superior	Low E Clear IGU	2.3	0.39	50%
Architectural Fixed Window						
TND-031-003	Quantum	Standard	Clear IGU	3.3	0.65	-
TND-031-004	Quantum	Good	Hardcoat Low E IGU	2.7	0.6	18%
TND-031-012	Quantum	Better	Low E Clear IGU	2.3	0.53	30%
TND-031-300	Quantum	Best	Double Coat Low E IGU	2.0	0.47	39%
TND-116-054	ThermaArc	Superior	Low E Clear IGU	1.7	0.53	48%
Architectural Sliding Door						
TND-917-009	Quantum	Standard	Clear IGU	3.7	0.62	-
TND-017-022	Quantum	Good	Low E Clear IGU	2.8	0.49	24%
TND-917-300	Quantum	Better	Double Coat Low E IGU	2.4	0.44	35%
TND-109-034	ThermaArc	Best	Low E Clear IGU	2.1	0.47	43%
TND-109-053	ThermaArc	Superior	Double Coat Low E IGU	2.0	0.48	46%

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