ACHIEVING 7-STAR energy efficiency.

WINDOW AND DOOR SPECIFICATION IN A COOLING CLIMATE.





ENERGY EFFICIENCY REDEFINED.

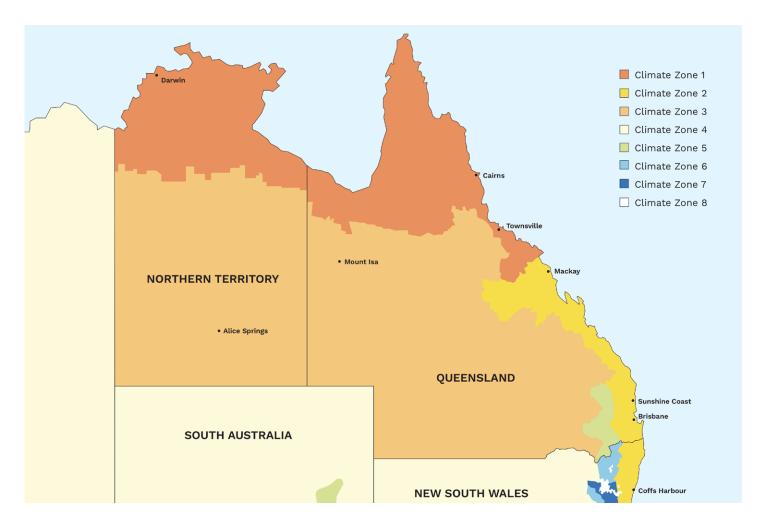
Since May 1, 2024, new homes and building permits in Australia must meet a 7-star energy efficiency rating under the updated NCC 2022 standards. At Trend, we are dedicated to offering solutions tailored to your climate zone, compliance needs, and budget. Making it easy to specify smarter and meet 7-star standards without compromising design or efficiency.

In hot conditions buildings gain up to 87% of heat through glass and windows.

Queensland has multiple climate zones, ranging from zones 1 to 5. Most of Queensland's population (~70%) lives in metropolitan centres across the Southeast of the state. These areas fall within climate zone 2 (Subtropical), which is primarily a cooling climate.

In cooling climates, choosing energy-efficient windows and doors is essential to reduce heat gain and improve indoor comfort. The U-value measures how well a window resists heat transfer; lower values mean better insulation, which helps limit outdoor heat entering the space. More critical in cooling climates is the Solar Heat Gain Coefficient (SHGC), which indicates how much solar radiation passes through glazing. A low SHGC is ideal for blocking unwanted solar heat. For best performance in cooling climates, windows and glazed doors should have low SHGC and reasonably low U-values to reduce cooling loads and save energy.

The most effective windows for energy efficiency performance will change depending on where you live. Our team helps customers every day achieve the right combination of energy efficiency technologies for their climate, budget and project goals.



The above map highlights the different climate zones you'll find throughout Queensland. Source abcb.gov.au

SOLUTIONS PURPOSE-BUILT FOR COOLING CLIMATES.

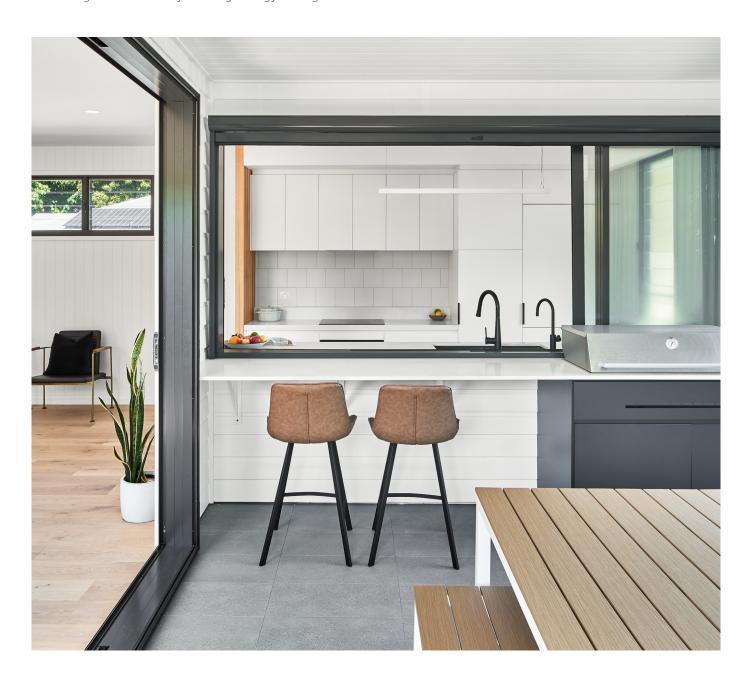
Performance is key when choosing glass, but other things like cost, window colour and lead times are also important. That's why our team can recommend a specific glass type that helps you meet 7-star compliance, offers good value and can be delivered quickly. We'll work with you to configure other glass options if needed.

Scalable performance

Combine either 'Clear' or 'Neutral' Low-E coatings to your single glazed windows to reduce heat transfer and achieve increasing energy performance in your home.

Advanced solutions

For the best performance and durability, Double Glazing with a Soft Coat Low-E coating achieves higher Visible Light Transition (VLT) so you can continue to enjoy the benefits of natural light with industry-leading energy savings.



Our offering	What's included?	U-Value	SHGC
Good WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW	Our Good upgrade from Trend's Standard Clear Single Glazing is Clear Hard Coat Low-E. The glass is coated in thin layers of metallic oxide when manufactured, which reflects radiant heat helping to maintain a cooler interior.	4.8	0.62
Better WWW WWW WWW WWW SG NEUTRAL HARD COAT LOW-E	zones, orientations or house designs, you can apply a	4.7	0.46
Best WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW	The Best performing glass to achieve improved energy efficiency is a Double Glazed Soft Coat Low-E. This combination will provide best energy efficiency and will help with compliance for even the most demanding designs or sites	3.2	0.33

Above values are for Synergy sliding windows.

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 solutions. Alongside design and orientation, the products and glazing below will assist in achieving 7-stars for your building.



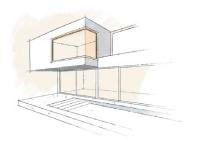
Single Storey Detached

Up to 27% glazing ratio



Double Storey Townhouse

Up to 20% glazing ratio



Double Storey Detached

Up to 28% glazing ratio

		Awning	Fixed	SD	SW	Single Storey	Townhouse	Double Storey
Good	SG Clear Hard Coat Low-E	0.57	0.66	0.63	0.62	SG Clear Hard Coat Low-E 7+ UV & 0.75+ SHGC	SG Clear Hard Coat Low-E 7+ UV & 0.75+ SHGC	-
Better	SG Neutral Hard Coat Low-E	0.43	0.48	0.46	0.46	SG Neutral Hard Coat Low-E 6.5 UV & 0.65 SHGC	SG Neutral Hard Coat Low-E 6.5 UV & 0.65 SHGC	SG Neutral Hard Coat Low-E 6.5 UV & 0.65 SHGC
Best	DG Soft Coat Low-E	0.33	0.38	0.34	0.33	-	DG Soft Coat Low-E 5.5 UV & 0.55 SHGC	DG Soft Coat Low-E 5.5 UV & 0.55 SHGC

Above values are the SHGC rating for Synergy products.

Dive deeper into the numbers

Discover the full performance ratings of our product range below.

TND-002-TBA	WERS Code	Product Series	Option	Glass Type	Uv	SHGC	Reduction in SHGC %
NDC-002-TBA Synergy	Residential Awnin	ng Window					
ND-002-TBA	TND-002-002	Synergy	-	Clear	6.5	0.65	-
Non-Occupation Symergy Best Low E - DG 3.2 0.33 49%	TND-002-TBA	Synergy	Good	Low E Clear	5.1	0.57	13%
ND-003-033 Synergy - Clear 5.9 0.78 -	TND-002-TBA	Synergy	Better	Low E Neutral	5.0	0.43	34%
TND-003-033 Synergy - Clear 5.9 0.78 - CTND-003-032 Synergy Cood Low F Clear 4.0 0.66 15%	TND-002-TBA	Synergy	Best	Low E - DG	3.2	0.33	49%
TND-003-032	Residential Fixed	Window					
Residential Silding Synergy Better Low F Neutral 4.0 0.48 38% 51% 71%	TND-003-033	Synergy	-	Clear	5.9	0.78	-
Residential Silding Window Foundarial Silding Window Foundaria Silding Window Foundaria Silding Window F	TND-003-032	Synergy	Good	Low E Clear	4.0	0.66	15%
Residential Silding Window TND-001-002 Synergy - Clear 6.5 0.72 - TND-001-303 Synergy Good Low E Clear 4.8 0.62 14% TND-001-TBA Synergy Better Low E Neutral 4.7 0.46 36% TND-01-TBA Synergy Best Low E DG 3.2 0.53 54% Residential Silding Door TND-017-001 Synergy - Clear 64 0.73 - TND-017-TBA Synergy Good Low E Clear 4.5 0.63 14% TND-017-TBA Synergy Best Low E Neutral 4.4 0.46 3.7% TND-017-TBA Synergy Best Low E Neutral 4.6 0.63 14% Architectural Awning Wind Clear 6.7 0.56 - TND-059-002 Quantum Good Low E Clear 5.7 0.49 13% TND-059-TBA Quantum Best	TND-003-TBA	Synergy	Better	Low E Neutral	4.0	0.48	38%
TND-001-002 Synergy Good Low E Clear 4.8 0.62 14%	TND-003-TBA	Synergy	Best	Low E - DG	2.2	0.38	51%
TND-001-303 Synergy Good Low E Clear 4.8 0.62 14%	Residential Slidin	g Window				_	
TND-001-TBA Synergy Better Low E Neutral 4.7 0.46 36% TND-001-TBA Synergy Best Low E - DG 3.2 0.33 54% Residential Stiding Door	TND-001-002	Synergy	-	Clear	6.5	0.72	-
Residential Stiding Door	TND-001-303	Synergy	Good	Low E Clear	4.8	0.62	14%
TND-017-001 Synergy - Clear 6.4 0.73 - Clear 1.5 0.63 1.4% 1.5 0.63 1.5 0.56 0.56 1.5 0.56 0.5 0.56 0.5 0.56 0.5	TND-001-TBA	Synergy	Better	Low E Neutral	4.7	0.46	36%
Clear Clea	TND-001-TBA	Synergy	Best	Low E - DG	3.2	0.33	54%
TND-017-TBA Synergy Good Low E Clear 4.5 0.63 14% TND-017-TBA Synergy Better Low E Neutral 4.4 0.46 37% TND-017-TBA Synergy Best Low E - DG 2.8 0.34 54% Architectural Awning Window TND-059-002 Quantum - Clear 6.7 0.56 - TND-059-032 Quantum Better Low E Neutral 5.6 0.37 34% TND-059-TBA Quantum Best Low E - DG 3.8 0.28 49% Architectural Sliding Window TND-078-002 Quantum - Clear 6.7 0.67 - TND-078-003 Quantum Best Low E - DG 3.8 0.28 49% Architectural Sliding Window TND-078-002 Quantum - Clear 6.7 0.67 - TND-078-031 Quantum Good Low E Clear 5.2 0.58 13% TND-078-TBA Quantum Better Low E Neutral 5.2 0.43 36% TND-079-TBA Quantum Best Low E - DG 3.3 0.34 50% Architectural Fixed Window TND-079-TBA Quantum Best Low E - DG 3.3 0.34 50% Architectural Fixed Window TND-024-001 Quantum - Clear 6.2 0.75 - TND-024-006 Quantum Good Low E Clear 4.4 0.65 13% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36%	Residential Slidin	g Door					
TND-017-TBA Synergy Better Low E Neutral 4.4 0.46 37% TND-017-TBA Synergy Best Low E - DG 2.8 0.34 54% Architectural Awning Window TND-059-002 Quantum - Clear 6.7 0.56 - TND-059-032 Quantum Good Low E Clear 5.7 0.49 13% TND-059-TBA Quantum Better Low E Neutral 5.6 0.37 34% TND-060-TBA Quantum Best Low E - DG 3.8 0.28 49% Architectural Stiding Window TND-078-002 Quantum - Clear 6.7 0.67 - TND-078-031 Quantum Good Low E Clear 5.2 0.58 13% TND-078-TBA Quantum Better Low E Neutral 5.2 0.43 36% TND-079-TBA Quantum Best Low E - DG 3.3 0.34 50% Architectural Fixed Window TND-079-TBA Quantum Best Low E - DG 3.3 0.34 50% Architectural Fixed Window TND-024-001 Quantum - Clear 6.2 0.75 - TND-024-006 Quantum Good Low E Clear 4.4 0.65 13% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36%	TND-017-001	Synergy	-	Clear	6.4	0.73	-
TND-017-TBA Synergy Best Low E - DG 2.8 0.34 54%	TND-017-TBA	Synergy	Good	Low E Clear	4.5	0.63	14%
Architectural Awning Window TND-059-002	TND-017-TBA	Synergy	Better	Low E Neutral	4.4	0.46	37%
Clear Clea	TND-017-TBA	Synergy	Best	Low E - DG	2.8	0.34	54%
TND-059-032 Quantum Good Low E Clear 5.7 0.49 13% TND-059-TBA Quantum Better Low E Neutral 5.6 0.37 34% TND-060-TBA Quantum Best Low E - DG 3.8 0.28 49% Architectural Sliding Window TND-078-002 Quantum - Clear 6.7 0.67 - TND-078-031 Quantum Good Low E Clear 5.2 0.58 13% TND-078-TBA Quantum Better Low E Neutral 5.2 0.43 36% TND-079-TBA Quantum Best Low E - DG 3.3 0.34 50% Architectural Fixed Window TND-024-001 Quantum Good Low E Clear 6.2 0.75 - TND-024-006 Quantum Good Low E Clear 4.4 0.65 13% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36% TND-024-TBA Quantum Good Low E Clear 4.4 0.65 13% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36% T	Architectural Awr	ning Window					
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TND-060-TBA	TND-059-032	Quantum	Good	Low E Clear	5.7	0.49	13%
Architectural Sliding Window TND-078-002 Quantum - Clear 6.7 0.67 - TND-078-031 Quantum Good Low E Clear 5.2 0.58 13% TND-078-TBA Quantum Better Low E Neutral 5.2 0.43 36% TND-079-TBA Quantum Best Low E - DG 3.3 0.34 50% Architectural Fixed Window TND-024-001 Quantum - Clear 6.2 0.75 - TND-024-006 Quantum Good Low E Clear 4.4 0.65 13% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36%	TND-059-TBA	Quantum	Better	Low E Neutral	5.6	0.37	34%
TND-078-002 Quantum - Clear 6.7 0.67 - TND-078-031 Quantum Good Low E Clear 5.2 0.58 13% TND-078-TBA Quantum Better Low E Neutral 5.2 0.43 36% TND-079-TBA Quantum Best Low E - DG 3.3 0.34 50% Architectural Fixed Window TND-024-001 Quantum - Clear 6.2 0.75 - TND-024-006 Quantum Good Low E Clear 4.4 0.65 13% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36%	TND-060-TBA	Quantum	Best	Low E - DG	3.8	0.28	49%
TND-078-031 Quantum Good Low E Clear 5.2 0.58 13% TND-078-TBA Quantum Better Low E Neutral 5.2 0.43 36% TND-079-TBA Quantum Best Low E - DG 3.3 0.34 50% Architectural Fixed Window TND-024-001 Quantum - Clear 6.2 0.75 - TND-024-006 Quantum Good Low E Clear 4.4 0.65 13% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36%	Architectural Slid	ing Window					
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TND-079-TBA Quantum Best Low E - DG 3.3 0.34 50% Architectural Fixed Window TND-024-001 Quantum - Clear 6.2 0.75 - TND-024-006 Quantum Good Low E Clear 4.4 0.65 13% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36%	TND-078-031	Quantum	Good	Low E Clear	5.2	0.58	13%
Architectural Fixed Window TND-024-001 Quantum - Clear 6.2 0.75 - TND-024-006 Quantum Good Low E Clear 4.4 0.65 13% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36%	TND-078-TBA	Quantum	Better	Low E Neutral	5.2	0.43	36%
TND-024-001 Quantum - Clear 6.2 0.75 - TND-024-006 Quantum Good Low E Clear 4.4 0.65 13% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36%	TND-079-TBA	Quantum	Best	Low E - DG	3.3	0.34	50%
TND-024-006 Quantum Good Low E Clear 4.4 0.65 13% TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36%	Architectural Fixe	ed Window					
TND-024-TBA Quantum Better Low E Neutral 4.3 0.48 36%	TND-024-001	Quantum	-	Clear	6.2	0.75	-
	TND-024-006	Quantum	Good	Low E Clear	4.4	0.65	13%
TND-031-TBA Quantum Best Low E - DG 2.3 0.38 50%	TND-024-TBA	Quantum	Better	Low E Neutral	4.3	0.48	36%
	TND-031-TBA	Quantum	Best	Low E - DG	2.3	0.38	50%



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