

U 0.70
THERMAL
PERFORMANCE
RATING

SHGC Solar	0.56
STC Acoustic	34

This Specification helps you compare TwinGlaze® Superior Performance Double Glazing to other double glazing.

" The lower the U Rating ... The more energy efficient. "

VacGlaze™ U 0.70 Rated Double Glazing delivers 3x the Thermal Performance of standard rated double glazing.

SHGC 0.56 (Solar Heat Gain Coefficient) maximises Thermal Performance in Summer & Winter.

TwinGlaze®

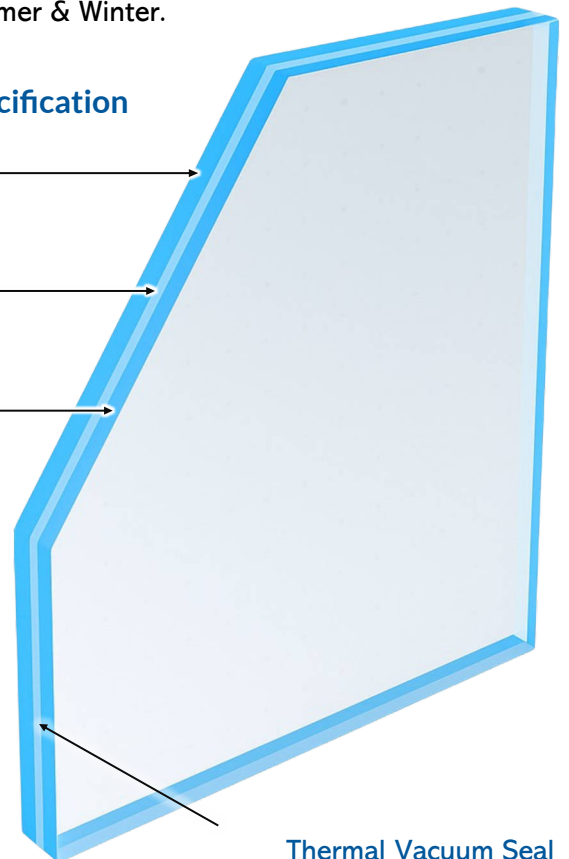
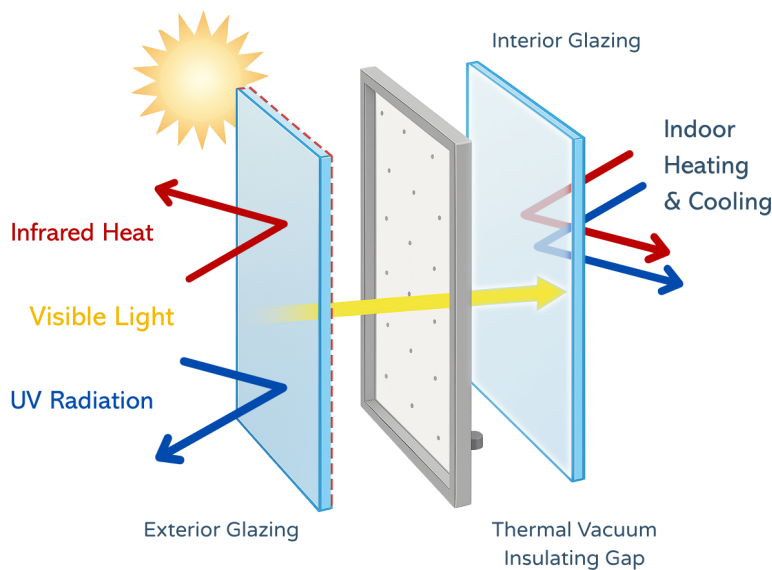
VacGlaze™ SUPERIOR PERFORMANCE Double Glazing Specification

Exterior Glazing —————→
Toughened Safety Glass

Thermal Gap —————→
Vacuum Insulated Gap

Interior Glazing —————→
Toughened Safety Glass with Low-E

VacGlaze™ includes a Low-E nano metallic coating to boost the energy efficiency of your double glazing. Outside infrared heat and UV radiation is reflected away in Summer, while indoor heat is reflected back into the dwelling in Winter to boost thermal performance.



Thermal Vacuum Seal
The Bonding Seal prevents condensation from inside and keeps both panes of glass apart.



1300 766 743
9am-5pm Mon-Fri

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ASSOCIATION
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3 Beverage Drive TULLAMARINE VIC 3043

ACT - Canberra Facility
31 Spongolite Street BEARD ACT 2620

Glass Performance Data

Thermal transmittance & Sound transmittance

Glass Product:

Low-E Vacuum Insulated Glass

Exterior Glazing

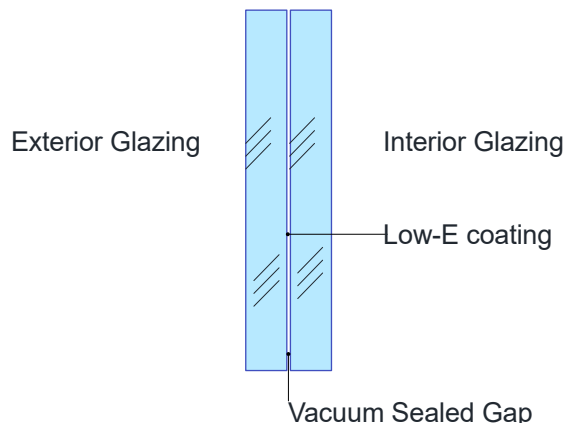
Clear Toughened Safety Glass

Thermal Gap

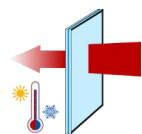
0.2mm Vacuum Insulated Gap

Interior Glazing

Clear Toughened Safety Glass with Low-E



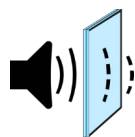
Thermal Transmittance



$$U_{\text{Summer Day}} = 0.70 \text{ W/m}^2 \cdot \text{k}$$
$$U_{\text{Winter Night}} = 0.62 \text{ W/m}^2 \cdot \text{k}$$

* The thermal transmittance data is calculated on the basis of NFRC-100-2010. U-Value tolerance is +/-0.2 W/m²*k

Sound Transmission Class



$$R_w(\text{STC}) = 34 \text{ dB}$$

* Upgrading from standard 4mm single glazing to our double glazing may provide up to 9 dB of additional sound reduction. Actual results will vary depending on frame condition, frame seals, and building / environmental conditions.

Toughened Safety Glass



All Toughened Glass complies with Australian Standard, AS 2208:2023 Safety glazing materials in buildings

Glass Product	Visible Light Transmission %		SHGC	U-Value		STC (Sound)
	VLT	VLR		Summer Day	Winter Night	
Clear Toughened Safety Glass + 0.2mm Vacuum Insulated Gap + Clear Toughened Safety Glass	81	13	0.56	0.70	0.62	34



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