

# DUO ULTRA™ HIGH PERFORMANCE IGU



A high performance insulated glass unit (IGU) combining new generation Low-E glass technology is now on offer for improved performance over standard IGU's. Available in two glass types, Neutral 70 & Neutral 50 across 3 option ranges.

Neutral 70 coated glass offers high visible light transmission of 70% with low SHGC (solar control) of 0.35 whilst Neutral 50 offers moderate visible light transmission of 50% with a very low SHGC of 0.25. Neutral 50 product can be combined with Grey, Green, Dark Blue and Bronze body tinted glass where colour tone is the preference. Ideal for commercial or high end residential applications or where large expanses of glazing need solar protection. Duo Ultra™ IGU's are supplied as standard, with Grade 'A' safety glass.

## OPTIONS:

**3 levels of options / upgrades are available across both Neutral 70 & 50 coating types:**

### L0 - Energy - Safety

Basic level high performance glazing with toughened safety glass as standard

### L1 - Energy - Safety - UV

Upgrade performance with addition of a laminated safety glass for added UV protection

### L2 - Energy - Safety - UV - Noise

Upgrade performance with addition of an Acousta™ noise reduction laminated safety glass panel.

## FEATURES AND APPLICATIONS:

- > Exceptional performance in reducing summer heat gain and winter heat loss;
- > Broad SHGC range to suit different climatic requirements, both residential and commercial;
- > New generation Low-E coatings delivering improved U-values;
- > Lower conductive thermoplastic spacer bar with Argon gas fill;
- > UV blocking and acoustic glass add on options;
- > Improving occupant comfort;
- > Reducing condensation build up.

## ENERGY PERFORMANCE DATA

	VLT VISIBLE LIGHT TRANSMISSION	VLR VISIBLE LIGHT REFLECTANCE	VLRi VISIBLE LIGHT REFLECTANCE	SHGC	U-VALUE
COLOUR AND TYPE	%	EXTERNAL %	INTERNAL %		W/M2K
<b>DUO ULTRA™ LOW-E (IGU'S)</b>					
<b>DUO ULTRA™ L0</b>					
Neutral 70 6mm (2) / 12mm / 6mm	70	13	14	0.35	1.3
Neutral 50 6mm (2) / 12mm / 6mm	50	14	4	0.25	1.3
Grey 35 6mm / 12mm / 6mm (3)	35	6	11	0.26	1.3
Grey 25 6mm (2) / 12mm / 6mm	25	13	6	0.24	1.3
Green 40 6mm (2) / 12mm / 6mm	40	14	10	0.24	1.3
Bronze 27 6mm (2) / 12mm / 6mm	27	13	7	0.24	1.3
<b>DUO ULTRA™ L1</b>					
Neutral 70 6mm (2) / 12mm / 6.38mm Clear	71	13	15	0.35	1.3
Neutral 50 6mm (2) / 12mm / 6.38mm Clear	50	14	14	0.25	1.3
<b>DUO ULTRA™ L2</b>					
Neutral 70 6mm (2) / 12mm / Acousta 6	71	13	14	0.35	1.3
Neutral 50 6mm (2) / 12mm / Acousta 6	50	14	14	0.25	1.3

Data listed based on NFRC 100-2010 - glass only data with Low-E coating to surface #2. All units with 12mm Argon Gas filled space.

**VLT%** - refers to the % visible light transmittance. Simply a measure of the amount of natural daylight the glass allows through.

**VLR%** - refers to visible reflectivity of the glass viewed from the outside.

**VLRi%** - refers to visible reflectivity when viewed from inside.

**SHGC** - refers to Solar Heat Gain Co-efficient. The lower the number, the more efficient the glass in reducing the sun's direct energy impact through the glass.

**U-Value** - a measure of the thermal insulation of the glass and expressed as watts per square metre. The lower the number the better the performance of the glazing.