

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. Duo Ultra™ has a range of options to suit different climatic conditions, energy and acoustic regulatory requirements. All Duo Ultra™ units provide significant improvements in U-values with the added benefit of a lower conductive thermoplastic spacer bar material. A broad SHGC performance range in either clear, grey, bronze, green or neutral tones allow added flexibility in meeting energy and aesthetic requirements. The Clear 78 product offers moderate SHGC performance with high levels of visible light transmittance (VLT), while the Neutral 50 product combines a 'super' low SHGC with excellent VLT, 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. Units can be optioned with UV blocking and Acoustic rated glass.

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

DUO ULTRA™ Insulated Glass Units 6+12+6	VLT%	VLR%	VLRi%	SHGC	U-Value
CLEAR 78	78	12	13	0.53	1.4
BRONZE 44	44	7	11	0.36	1.4
GREY 39	39	6	11	0.34	1.4
NEUTRAL 50	50	14	14	0.25	1.3
GREEN 40	40	14	10	0.24	1.3
BRONZE 27	27	13	7	0.24	1.3
GREY 25	25	13	6	0.24	1.3

Data listed based on NFRC 100-2010 - glass only data with Low-E coating to surface #2, surface #3 for CLEAR 78, BRONZE 44, GREY 39 options.. 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.

HOW TO SPECIFY:

DUO ULTRA™ IGU



www.nationalglass.com.au

