

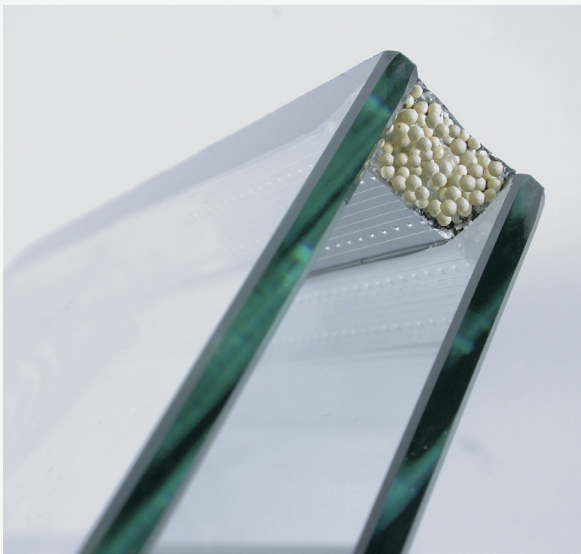
Viva the Double Glazed Revolution!

Increased minimum Energy Efficient requirements in the NCC 2022 are coming for Residential class buildings that will translate to higher demands on our glazing and depend on the high performance that Double Glazing offers.

The proposed NCC 2022 changes came out for public review in July 2021 and as expected, a greater demand is required on the Energy Efficiency of our residential buildings going forward. This is the second major step in our trajectory of improvements to be able to achieve our 2030 climate goals. The first step was the similar changes seen in Commercial buildings from the NCC 2019 that resulted in lower full frame SHGC and U-Value's in our glazing.

When we look at the biggest user of energy, being the heating and cooling of our buildings, it is understandable that a change in our glazing to better suit its environment will trigger Energy Efficiency: less energy to cool our homes during hotter periods and less energy to heat our homes during colder periods. This is because glazing can be the biggest offender of a buildings unwanted heat gain and heat loss.

Double Glazing is the obvious solution by instantly gaining superior insulation qualities and also adding the ability to use combinations of two glass options in the one unit, opening up multiple combinations to achieve a full spectrum of performance values. For the best chance to meet the new requirements in multiple frame types, add a high performing LowE coating to your double glazed unit and with a wide range available, we have something to suit all your needs. We back this up with certified full frame performance in most common frame types in the Window Energy Rating Scheme (WERS).



Insulglass® Insulated Glass Units (IGU) consist of 2 or more pieces of glass manufactured as one unit with a trapped air gap, commonly filled with argon gas, separated by a desiccant filled spacer bar and sealed with a primary and secondary seal for structure and guaranteed performance.

Insulglass® Benefits*:

- Superior Insulation compared to anything single glazed (U-Value)
- Control Solar Heat Gain (SHGC)
- Reduce Heating and Cooling energy Waste
- Reduce Heating and Cooling energy Costs
- Increase the size of your units without compromising performance
- Control Visible Light levels/Glare factors (VLT)
- Ultraviolet protection against fading factors (UV)
- Reduce Internal Condensation on glass
- Advanced acoustics compared to any monolithic option (Rw)
- The obvious choice to meet increased NCC code changes

*utilising the full range of Insulglass® options



Proven certified full frame performance data available in WERS

Australian Glass Group also understands the vital importance of certification and compliance of glass products. Our products are manufactured and certified to Australian Standards by an international certification body and compliance is certified and available on request in key areas including;

AS 2208 – Safety glazing materials in buildings

AS 4666 – Insulated glass units



Insulglass[®] Double Glazed Units - available in a full range of options to suit your needs;



An ideal LowE for Warmer climates to minimise Glare and a balance of Solar Control and great Insulation.



An ideal LowE for Colder climates with maximum Visible Light, Passive Heat Gain and excellent Insulation.



Excellent performance to advance both Solar Control and Insulation without compromising Visible Light.



Superior performance to maximise both Solar Control and Insulation without compromising Visible Light.

Proudly manufactured, stocked and supported in Australia by Australian Glass Group[®]

Australian Glass Group offers a full customised range with all Insulglass[®] offerings

- Warm Edge spacer for further Thermal performance
- Tempershield[®] toughened options for strength and Grade A safety
- Obscure Pattern and Acid Etch for privacy
- Laminated for security and Grade A safety – available in:
 - Standard laminate
 - White translucent laminate for privacy
 - Audioshield[®] acoustic laminate for superior sound performance



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