

9 Amazing Benefits of Softcoat LowE Double Glazing

1 Superior Insulation

Compared to single glazing, double glazing alone provides up to 56%* better insulation (lower U-Values). With the addition of Argon gas and a softcoat LowE coated glass, the insulation increases by up to 78%! This also helps in hot climates by making your cooling system more efficient and prevents heat that is re-radiated from external surfaces at night from entering through your glazing.

2 Manage Your Solar Control

By selecting the right LowE to suit your environment, you can manage your solar heat gain coefficient (SHGC). In colder climates, choose a higher SHGC to allow heat from the sun to enter inside. In hot climates, choose a lower SHGC to block that heat from entering inside.

3 Virtually Eliminate Internal Condensation

Softcoat LowE increases the surface temperature of the inside glass surface - bypassing the dew point where condensation forms.

4 Acoustics

Insulglass® with softcoat LowE can provide significant sound reductions compared to standard single glazing (i.e. 6mm clear glass). Combine with an Audioshield® acoustic laminate to provide superior acoustic performance capable of blocking a full range of unwanted noises.

5 Manage Your Natural Light

AGG's range of softcoat LowE options allows different levels of visible light transmittance (VLT), either allowing high levels of natural light to enter

your home or choose lower levels where bright glare factors are a concern. Choosing the right option to suit your environment will increase your overall comfort and wellbeing. At the same time, clarity and stable colour renditions are maintained (e.g. seeing green grass and blue sky from the inside out).

6 UV Protection from Fading Factors

Composed of silver and metal oxides, softcoat LowE stops various levels of harmful UV radiation from entering through your glass. This reduces the effect of fading on your carpet, timber floor, furniture and artwork. By adding a laminate into your Insulglass® with LowE, this effect can be maximised.

7 Reduce Energy Waste and Energy Costs

Softcoat LowE is energy efficient - preventing heat from escaping when it's cold and heat from entering when it's hot. This reduces your reliance on heating and cooling systems, lowering your energy bills and impact on the environment, while increasing your year-round comfort levels.

8 Larger Windows

High performance softcoat LowE allows you to have larger windows in your building without compromising on performance - a perfect solution for increased National Construction Code (NCC) minimum energy efficiency requirements.

9 A Happier, Healthier Inside

With superior insulation, the right level of solar control and natural light to suit your environment, acoustics and energy efficiency, Insulglass® with softcoat LowE provides a more comfortable and healthier inside, all year round.

Softcoat LowE (Low Emissivity) double glazed units represent an evolution in technology and innovation. The atomic layers of silver and metal oxides provide superior performance and no risk of visible haze that other coatings can have.

Our range of Insulglass® LowE includes Argon gas as standard - stocked, made and supported right here in Australia to meet the trajectory of increased National Construction Code (NCC) minimum energy efficiency requirements.

Our range of Softcoat LowE:



An ideal LowE for warmer climates to minimise glare and balance solar control with great insulation.



An ideal LowE for colder climates to maximise visible light, provide passive heat gain and excellent insulation.



Superior performance to maximise solar control and insulation, without compromising visible light.

AGG also understands the vital importance of the certification and compliance of glass products. Our products are manufactured and certified to Australian Standards. Relevant compliance is certified and available on request in key areas including:

- AS 4666 Insulating Glass Units
- AS 2208 Safety Glazing Materials in Buildings

*Comparisons based on 4mm clear float, centre of glass performance data in NFRC standards.



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

The lower the VLT, the less glare factor.

The lower the SHGC, the better it is at blocking direct passive heat from the sun.

The lower the U-Value, the better the insulation.



Full range available in WERS