



# Silencia™

Noise Reducing  
Acoustic Solutions





# Designed for the future

Urban sprawl and associated growth in many sectors of housing, commercial developments and transport infrastructure subsequently brings increasing levels of unwanted noise.

Silencia™ is one of the most effective glass types in reducing unwanted noise being transmitted through the glazing. Silencia™ can be both single glazed or incorporated as part of a KlymetControl™, KlymetControl™ Plus, OptEma™ or OptEma™ Plus IGU to achieve noise reduction levels of up to 45dB.

## Applications

- Buildings close to main roads, airports and railway lines
- Commercial offices and stadiums
- External and internal windows, doors and partitions
- Hospitals and aged care facilities
- Multi density residential apartments and hotels

## Benefits

- Available in 6.5mm through 12.5mm thicknesses dependent on the level of noise reduction required
- Can be incorporated into an IGU for further enhanced noise reduction, solar control, thermal insulation and overall energy efficiency
- Grade A safety glass with >99% UV protection to prevent fading
- Reduces noise from a broad range of sources across a wide frequency band

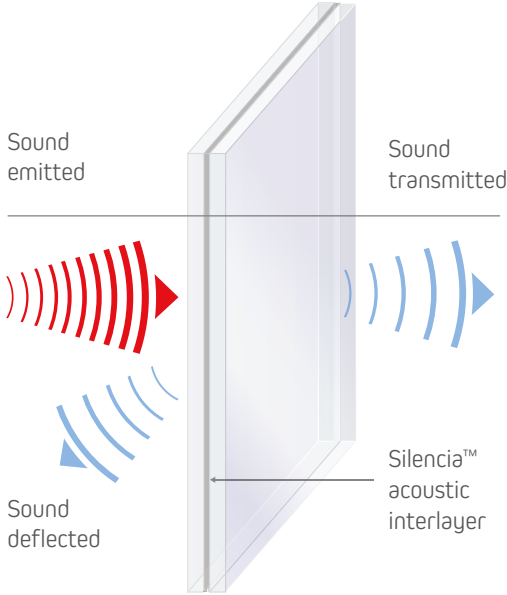
# Effective protection from unwanted noise

Using a special three-layer acoustic interlayer, Silencia™ significantly reduces sound transmission by dampening a broad range of noise levels across a wide frequency range to ensure enhanced sound insulation.

Focusing on frequencies within the 1000-3500Hz range, Silencia™ is effective in reducing the level of noise transmission from a number of different sources including voices, traffic, trains and aircrafts. The unique noise absorbing qualities of the Silencia™ interlayer enables thinner and lighter glass to be used to achieve the noise reduction performance previously associated with thicker and heavier glass types.

Silencia™ can provide over 4dB improvement in noise reduction when compared to glass types of similar thickness. That's significant when a 10dB noise reduction equates to a 50% reduction in loudness. Sound insulation levels may not be satisfactory to all occupants and are contingent on a number of considerations.

It is always recommended to seek the advice of an acoustic engineer or acoustic consultant to create a solution specific to the type of space, its conditions and the preferred level of noise transmission.





For additional product details and warranty  
information please visit our website.

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