



VACUVIEW™
Vacuum Insulated Glass



CONTROLLAVIEW
VISION CONTROL SOLUTIONS

The Ultimate in
Performance Glazing

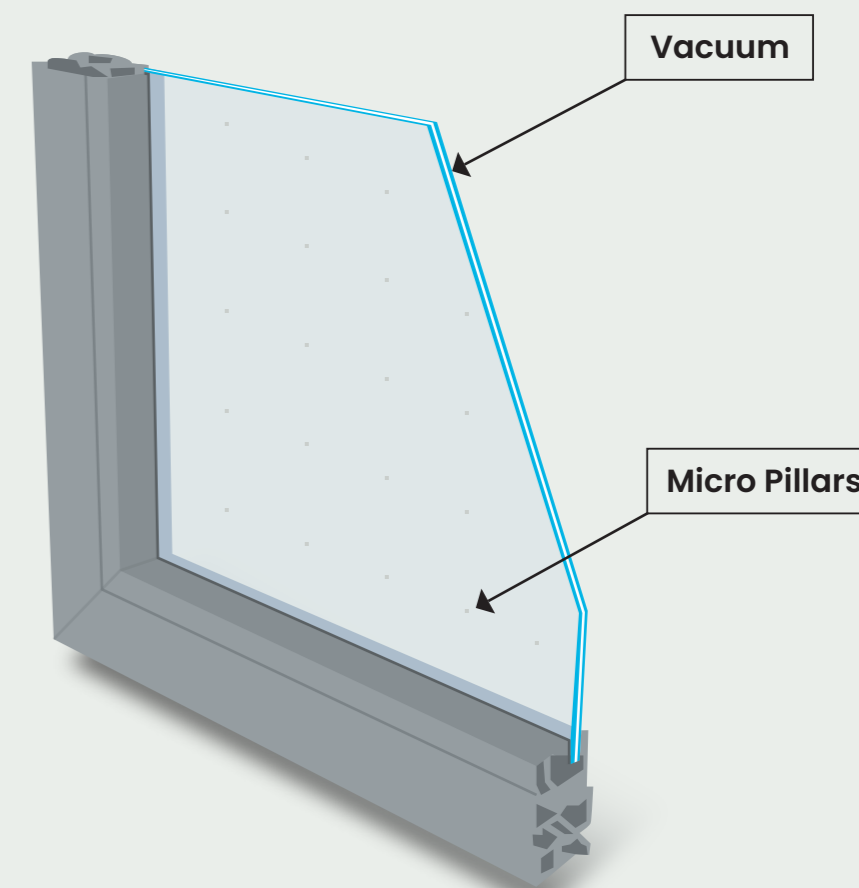


What is Vacuum Glass?

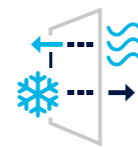
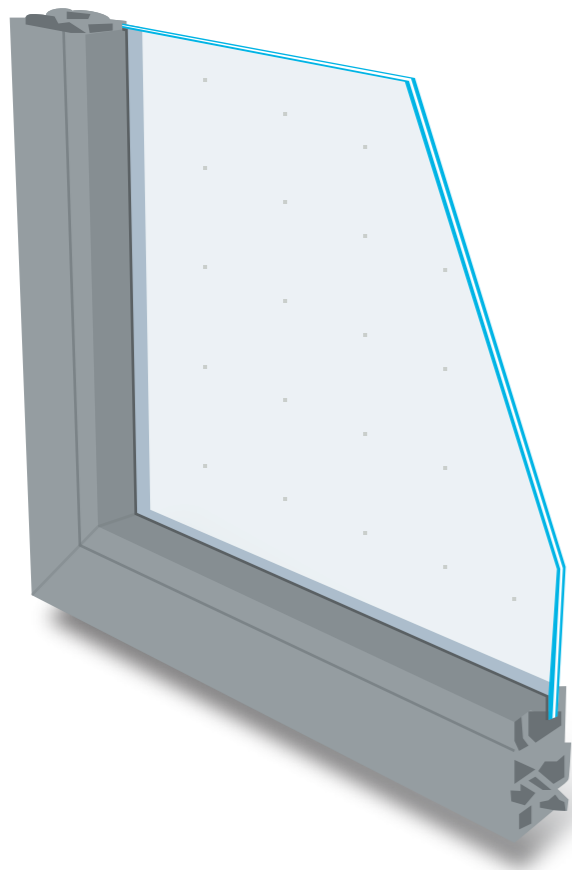
Vacuum glass is an advanced glazing solution designed to improve both comfort and energy efficiency in any building. It features two panes of glass with a vacuum-sealed space between them, offering exceptional insulation. This cutting-edge design helps maintain a consistent indoor temperature, keeping spaces warm in the winter and cool in the summer. With its slim profile, vacuum glass not only enhances the aesthetic appeal of buildings but also reduces energy costs and outside noise, making it a versatile choice for both commercial and residential projects.

How It Works

Vacuum glass works by creating a vacuum-sealed space between two glass panes, eliminating air and drastically reducing heat transfer. Unlike double or triple-glazed windows that rely on air or gas-filled spaces for insulation, the vacuum seal prevents heat conduction and convection entirely. This makes vacuum glass far more efficient at maintaining indoor temperatures than traditional single, double, or triple-glazed windows, offering superior thermal insulation.



Why VACUVIEW™ ?



Better Insulation
U-value as low as 0.4W/m2.K



More Light
VLT up to 78%



Better Acoustics
RW Value 36 - 39

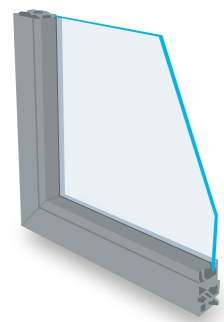


Longer Life
25+ Years

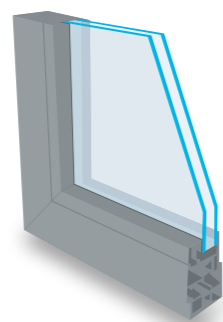


Thinner & Lighter
8.3mm - 20kg m2

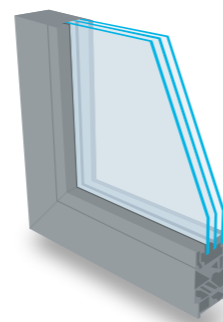
Single Glazing



Double Glazing



Triple Glazing



Makeup	4mm
U-Value	5.9
VLT %	89%
Rw(db)	30
Lifetime	25 + Years
Weight	10kg m2
Thickness	4mm

Makeup	4mm/12A/4mm
U-Value	2.6
VLT %	80%
Rw(db)	32
Lifetime	10 + Years
Weight	20kg m2
Thickness	20mm

Makeup	4mm/12A/4mm/12A/4mm
U-Value	1.65
VLT %	75%
Rw(db)	32
Lifetime	10 + Years
Weight	30kg m2
Thickness	36mm

Thermal Insulation

Experience unparalleled thermal insulation with our vacuum glass, boasting a U-value as low as 0.4 W/(m²·K). Despite its slim 8.3 mm thickness, the vacuum-sealed chamber effectively blocks heat transfer, making it 2-4 times more efficient than insulated glass and 6-10 times better than single-pane glass. Ideal for passive houses, this glazing meets stringent thermal performance requirements for windows and doors.

Noise Reduction

Transform noisy environments into peaceful havens with our vacuum glass, which features a weighted sound reduction index exceeding 36 dB. Its high vacuum chamber significantly diminishes sound transmission, offering superior acoustic performance compared to insulated glass. This glazing excels at blocking medium to low-frequency noises like traffic and construction, creating a quiet, serene indoor space.

Condensation-Free

Our vacuum glass, with its ultra-low dew point, prevents condensation on interior surfaces, even in temperatures as low as -70°C. Its exceptional thermal resistance helps keep surfaces dry, reducing the risk of mould growth and supporting a healthier indoor environment. Ideal for buildings and cold storage, this glazing delivers superior insulation and protection against moisture buildup.

Grade A Safety Glass

Meeting stringent tempered glass standards, this glazing undergoes rigorous safety testing, including wind resistance and impact tests. It maintains the strength and impact resistance of tempered glass, and in case of breakage, it shatters into small, less hazardous honeycomb-shaped fragments.

Thin Structure

At just 8.3 mm thick and weighing only 20 kg/m², this glazing reduces costs related to components, storage, and logistics. It is a quarter of the thickness of triple-pane insulated glass and at least 12 kg lighter per square meter, while still offering superior thermal performance with a better U-value.



Outstanding Environmental Adaptability

Designed to handle any geographical location or elevation, our vacuum glass shows no thermal expansion or contraction. Whether mounted horizontally or at an angle, it maintains consistent energy efficiency with a stable U-value, ensuring reliable performance across various conditions.

Super Long Life

With a service life expectancy of over 25 years, our vacuum glass is built to last. Its flexible edge sealing materials address common issues with seal failure caused by temperature differences, while high-efficiency getter material helps sustain a high vacuum level over time.

Easy to Replace

Ideal for restoring historic buildings, this 8.3 mm thick glazing fits easily into original window frames. It simplifies upgrades while preserving the building's original aesthetic, making it a perfect choice for both modern and heritage projects.

VACUVIEW™

Transforming Spaces and Industries



Residential Homes
Energy Efficiency & Comfort

Keep comfortable year-round and lower energy bills—ideal for new builds and retrofits.



Commercial Buildings
Enhanced Performance

Ideal for high-rises and retail spaces—reduces energy costs and improves customer experience.



Public Infrastructure
Durability & Clarity

Offers long-lasting clarity and energy efficiency, perfect for high-traffic areas.



Industrial Uses
Superior Performance

Ideal for cold storage and labs—ensures precise temperature control and energy efficiency.



Skylights
Bright & Efficient

Allows natural light while providing excellent insulation.



Green Building
Eco-Friendly Choice

Supports sustainable construction and contributes to green certifications.

VACUVIEW™



For more information visit us at
www.controllaview.com.au