



**New ultra thin FINEO
improves the comfort of
period homes.**



Compare Fineo With Traditional Glazing

| | Single Glazing | Double-Glazing | Triple Glazing | FINEO |
|----------------------------------|----------------|----------------|----------------|------------|
| Thickness | 4mm | 28mm | 36mm | 6.7mm |
| U-Value (W/m²K) | 5.8 | 1.2 | 0.8 | 0.7 |
| Light Transmission | 90 | 80 | 71 | 81 |
| Sound Reduction Rw (C;Ctr) dB | 29 (-2; -3) | 31 (-2; -5) | 32 (-1; -5) | 35 (-2;-5) |
| Solar G-Value | 0.87 | 0.71 | 0.61 | 0.68 |

Summary:

- 8 Times more efficient than single glazing and 12.5% more efficient than a 36mm triple-glazed unit.
- Slightly better light transmission than double-glazing and better light transmission than triple glazing.
- 34% perceived noise reduction compared to single glazing and 18% better than double and triple glazing.
- Better solar gain when compared to triple glazing and just slightly less effective than double glazing.
- Manufactured in Belgium.





Fineo combines best in class performance with appealing aesthetics. Its slim profile means it can integrate seamlessly into existing frames or into new windows and curtain walls.

Unlike previous vacuum glazing technologies, AGC's unique product has no evacuation port to obstruct the view and has very thin edge seals, ensuring maximum vision area.

AGC delivers the most advanced vacuum insulating glazing technology yet, optimising indoor comfort by outperforming conventional insulating glazing.

What's so special about it?

What does this mean for you?

SLIM, AESTHETICAL DESIGN

- a 'light' appearance similar as monolithic glass
- no vacuum evacuation port
- suitable for retrofitting(*) of existing windows

OUTSTANDING THERMAL INSULATION

- U-value of 0.7 W/(m².K)
- regardless of inclination (i.e. sloped or roof glazing)

DURABLE INVESTMENT

- designed performance for several decades

MORE NATURAL DAYLIGHT

- delivering increased indoor light comfort

HARNESSING MORE FREE SOLAR ENERGY

- lower energy consumption
- lower emissions

INCREASED ACOUSTIC ATTENUATION PERFORMANCE

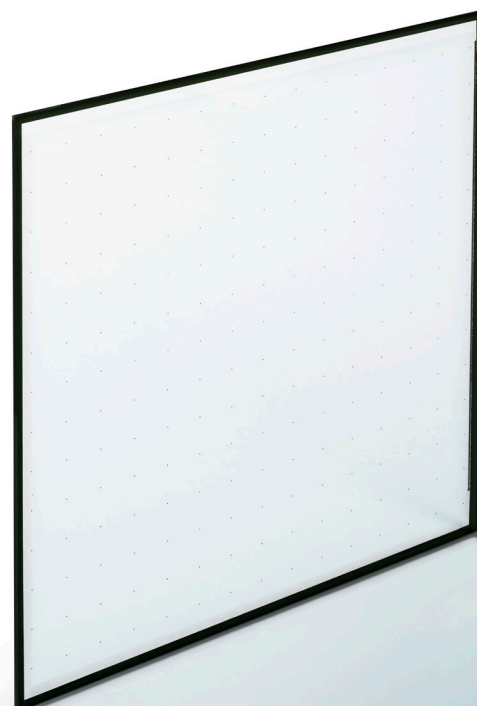
- offer increased acoustic indoor comfort
- performance in the lower frequency spectrum for traffic noise

LEAD FREE AND RECYCLE ABLE

- 100% recycleable
- embraces the circular economy



(*) retrofitting: replace the existing glass with a Fineo glazing, fully preserving the initial window frame provided the window frame is in a properly functioning state.



Ultimate slim design for maximum indoor comfort



Light and energy performance (1)

| FINEO by AGC | Color | Tot. Thickness [mm] | EN 410 | | | | EN 673 |
|-----------------|---------|---------------------------|-----------|---------------|---------------|----------|----------------|
| | | | TL (%) | LR ext (%) | LR int (%) | g [-] | Ug W/(m².K) |
| 6 | Neutral | 6,7 | 80 | 13 | 14 | 0.68 | 0.7 |
| 8 | | 7,7 | 80 | 13 | 14 | 0.67 | |
| 10 | | 9,7 | 79 | 13 | 14 | 0.65 | |
| 12 | | 11,7 | 78 | 13 | 13 | 0.65 | |

Acoustic attenuation performance (2)

| FINEO by AGC | EN ISO 10140 | |
|-----------------|----------------------|------------------|
| | Rw [C ; Ctr] [dB] | Rw + Ctr [dB] |
| 8 | 35 (-2;-5) | 30 |
| 10 | 36 (-2;-3) | 33 |
| 12 | 36 (-1;-2) | 34 |



| Dimensions | Maximum | 1.5m x 2.5m or 1.6m x 2.4m |
|--------------------------|---|----------------------------|
| | Minimum | 0.2m x 0.2m |
| Shape | Standard | Square or rectangle |
| | Shapes | TBA |
| Laminated safety glazing | Yes, mono-sided and double-sided versions available | |
| | Option: patterned or monumental glass | |

(1) These data are calculated using spectral measurements compliant with standards EN 410 and ISO 9050 (1990). The U-value is calculated according to standard EN 673 and measured conform EN 674. Emissivity is measured as per standards EN 673 (Annex A) and EN 12898.

(2) These sound reduction indexes correspond to a Fineo sample measuring 1.23m x 1.48m as per EN ISO 10140-3. The testing is carried out under laboratory conditions. In-situ performance may vary depending on the actual glazing dimensions, frame system, noise sources, etc.

Compare Fineo With Other Slim Double-Glazing

| | Overall Thickness | Glass Thickness | Cavity | Gas | U-Value | Guarantee | FINEO |
|---------------------------|-------------------|-----------------|--------|---------|---------|-----------|------------------------|
| FINEO Vacuum Glazing | 6.7mm | 3mm | 0.1mm | NONE | 0.7 | 15 Yrs | Efficiency Improvement |
| Other Slim Double-Glazing | 10mm | 3mm | 4mm | Krypton | 1.9 | 5 Yrs | 63% |
| | 12mm | 4mm | 4mm | Krypton | 1.9 | 5 Yrs | 63% |
| | 13mm | 4 mm | 5mm | Krypton | 1.7 | 5 Yrs | 59% |
| | 14mm | 4mm | 6mm | Kyrpton | 1.5 | 5 Yrs | 53% |
| | 16mm | 4mm | 8mm | Krypton | 1.3 | 5 Yrs | 46% |



Fineo keeps older properties warmer and quieter, whilst maintaining the original aesthetic of the period property.

Fineo can be retrofitted into any timber framed window, transforming them with unobstructed views, as there is **no visible vacuum cap**.

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FINEO
by AGC

