

FINEO

by AGC

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/m ² K)	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

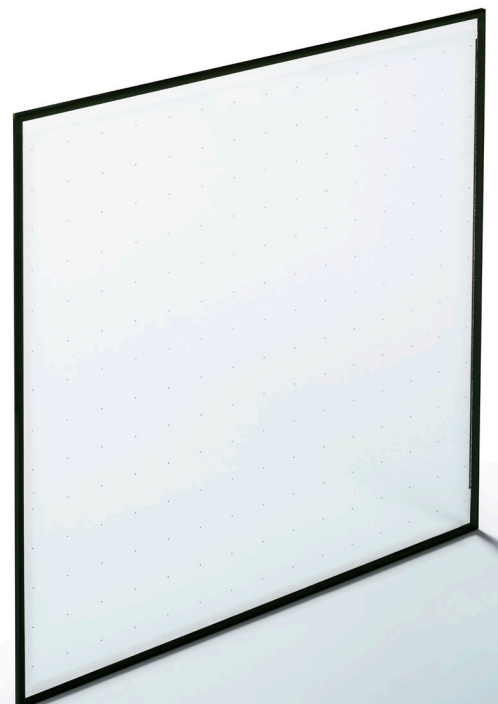
- lower energy consumption
- lower emissions

INCREASED ACOUSTIC ATTENUATION PERFORMANCE

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

LEAD FREE AND RECYCLE ABLE

- 100% recyclable
- 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/(m ² .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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