

Ultimate slim design for maximum indoor comfort



FINEO
by AGC

Tender Specifications - FINEO

Vacuum insulating glazing delivering the industry's highest level of insulation performance. It comprises two annealed glass panes separated by a 0.1mm vacuum cavity created by means of a lead-free non-organic seal specially developed for vacuum applications. The lead-free non-organic seal ensures mechanical solidity and hermetic performance. The vacuum insulating glazing is a transparent building product with no vacuum evacuation port. It features a line-shaped getter, positioned in the edge zone in the vacuum cavity.

The outer pane is made of clear annealed glass (EN 572 compliant) with a minimum nominal thickness of 3mm. The unit comprises two glass panes separated by a ± 0.1 mm vacuum cavity using micro-pillars placed in a 20mm grid over the entire glass surface.

The inner pane is made of clear annealed glass (EN 572 compliant) with a minimum nominal thickness of 3mm and features a thermal insulation low-e coating on the cavity side compliant with EN 1096.

Light and Energy Performance Figures⁽¹⁾

Main light and energy characteristics for a composition: 4mm float glass (0.1mm vacuum) 4mm low-e coated float glass (#3)

Performance	Value	Unit	EN Standard
LT	80	%	EN 410
LR _{out}	13	%	
LR _{in}	14	%	
g	0.67	--	EN 673
U _{glass}	0.7	W/(m ² .K)	

Visual appearance: transparent and neutral from both sides.

The lead-free non-organic seal used in the vacuum insulating glazing is warranted for a period of 15 years as of its installation by a certified installer or in a certified VIG-designed window frame or curtain wall module.

Thickness of the glass panes used in the vacuum insulating glazing is determined in accordance with national standards and buildings codes on wind load, climatic load; specific project related loads and the specific inherent mechanical characteristics of the vacuum insulating glazing.

⁽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 in accordance with EN 674. Emissivity is measured as per standards EN 673 (Annex A) and EN 12898.

For more information

Topic	Contact
General questions, product information Sales related inquiries and quotations	info@fineoglass.eu

The information and data contained in this document are subject to change without notice.

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