FINEO TEMPERED

Elegance and efficiency in an XL format

FINEO TEMPERED is much more than glass technology: it is pure comfort. This groundbreaking vacuum insulating glass not only delivers amazing energy performance, it also combines exceptional thermal insulation with unprecedent durability.

This thin vacuum insulating glass is elegant and sleek.

FINEO insulates as effectively as triple glazing but is lighter and thinner, meaning it can be installed into existing window frames. This often makes FINEO the most economical solution for renovation and restoration projects.

FINEO is a sustainable investment as it is 100% recyclable. It also has a long life expectancy without any loss of performance. Discover the specific advantages of FINEO-T for glass façades and panoramic windows.

What's so special about it?	What does it mean for you?
Superior thermal insulation	▪ U-value = 0,7 W/(m2.K), matching the performance of triple glazing but with a fraction of the thickness. ▪ Regardless of the inclination (e.g. sloped or roof glazing).
Lightweight and Slim; sleek and aesthetical design	▪ 20 mm grid micro-pillars(1). ▪ FINEO-T is up to 40% lighter than traditional triple glazing and comes in sleek 10 to 12 mm thicknesses, making installation a breeze and safeguarding window frames and building structures. ▪ Suitable for retrofitting(*) into existing windows.
Enhanced daylight	▪ With its ultra-thin design, FINEO-T lets in up to 15% more natural light, brightening interiors more effectively than conventional triple glazing.
Outstanding Acoustic performance	▪ FINEO-T offers exceptional sound reduction of up to 36 dB, ensuring a quieter, more serene environment.
Harnessing more free solar energy	▪ Lower energy consumption. ▪ Lower emissions.
Elegant Design Flexibility	▪ The slim profile of FINEO-T allows for refined window designs and expansive glass areas, enhancing architectural aesthetics.
Versatile Applications	▪ Perfect for modern façades, renovations, restorations, and even listed buildings, FINEO-T adapts to a wide range of projects.
Ideal for Large Projects	▪ FINEO-T is the perfect choice for grand façade projects, offering both style and performance.

(*) retrofitting: replace the existing glass with a FINEO glazing, fully preserving the initial window frame (provided the frame is in good condition).

General questions, product information, sales-related inquiries and quotations:
www.fineoglass.eu

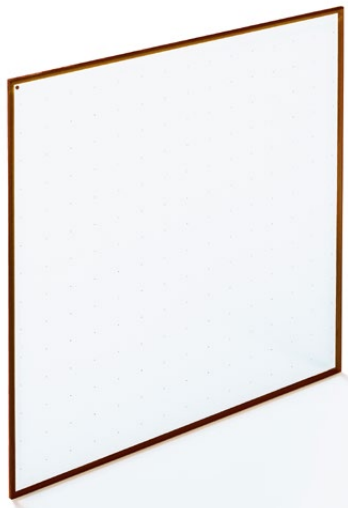
What's so special about it?	What does it mean for you?
Innovative Systems	▪ Compatible with complex systems, including hybrid solutions with integrated blinds.
Built for Extremes	▪ Engineered to withstand severe climates and extreme weather conditions.
Perfect for Roofs	▪ FINEO-T is also ideal for roof applications, providing versatility in design.
Sustainable investment	▪ Designed to perform for several decades. ▪ 20 years warranty and 60 years lifetime.
Lead-free and recyclable	▪ 100% Recyclable without dismantling ▪ Circular sustainability.
Enhanced Safety	▪ Designed for optimal fragmentation, ensuring safety and peace of mind.

LIGHT AND ENERGY PERFORMANCE(2)

FINEO TEMPERED	Total thickness [mm]	EN 410				EN 673
		LT [%]	LR ext [%]	LR int [%]	g [-]	Ug [W/(m².K)]
FINEO 10 T	9.7	79	14	14	0.61	0.7

ACOUSTIC PERFORMANCE (3)

FINEO TEMPERED	EN ISO 10140	
	Rw [C;Ctr] [dB]	Rw+Ctr [dB]
FINEO 10 T	36 (-2;-3)	33



PRODUCTION FEASIBILITY

Dimensions	Maximum(4)	2980 mm x 1605 mm
	Minimum	600 x 300 mm

(1) Missing or misplaced micro-pillars can occur. These misplaced or missing micro-pillars do not jeopardize the aesthetics (under normal observation conditions), the function, the performances nor the mechanical integrity over time of FINEO.

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

(3) The sound reduction indexes correspond to glazing with dimensions 1230 mm by 1480 mm according to EN ISO 10140-3 and are tested in laboratory conditions. In-situ performances may vary according to the effective glazing dimensions, supporting system, installation, environment, noise sources, etc. The accuracy of the given indexes is +/- 1 dB.

(4) The maximum dimensions will be broader in the future.

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