

FINEO 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 unprecedented durability.

This thin vacuum insulating glass is elegant and sleek. The Safety range offers protection against personal injury.

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 loss of performance.



What's so special about it ?

What does this mean for you?

SLIM, SLEEK AND AESTHETICAL DESIGN	<ul style="list-style-type: none"> ▪ An appearance similar as monolithic glass ▪ No vacuum evacuation port ▪ Suitable for retrofitting(*) into existing windows
OUTSTANDING THERMAL INSULATION	<ul style="list-style-type: none"> ▪ U-value = 0,7 W/(m².K) ▪ For all situations (e.g. sloped or roof glazing)
SAFETY	<ul style="list-style-type: none"> ▪ Laminated safety glazing ▪ Protection against personal injury and fall-through
SUSTAINABLE INVESTMENT	<ul style="list-style-type: none"> ▪ Designed to perform for several decades
MORE NATURAL DAYLIGHT	<ul style="list-style-type: none"> ▪ Slim design allows in more daylight
HARNESSES MORE FREE SOLAR ENERGY	<ul style="list-style-type: none"> ▪ Lower energy consumption ▪ Lower emissions
REDUCES UV RADIATION	<ul style="list-style-type: none"> ▪ Blocks 99% of UV rays ▪ Reduces discoloration of interior furnishings
EXCEPTIONAL NOISE REDUCTION	<ul style="list-style-type: none"> ▪ Increased soundproofing ▪ Reduced traffic noise
LEAD-FREE AND RECYCLABLE	<ul style="list-style-type: none"> ▪ 100% Recyclable ▪ Circular sustainability


(*) retrofitting: replacing the existing glass with FINEO glazing while keeping the original window frame (provided the frame is in good condition).

ULTIMATE SLIM DESIGN FOR MAXIMUM INDOOR COMFORT

Light and energy performance ⁽¹⁾

	Tot. Thickness [mm]	EN 410				EN 673
		LT [%]	LR ext [%]	LR int [%]	g [-]	U _g [W/(m ² .K)]
FINEO Safety 6	13.9	77	13	14	0.58	0.7
FINEO Safety 8	14.9	77			0.57	
FINEO Safety 10	18.9	76			0.56	
FINEO Safety 12	20.9	75			0.56	

Acoustic attenuation performance ⁽²⁾

	EN ISO 10140	
	R _w [C;Ctr] [dB]	R _w +C _{tr} [dB]
FINEO Safety 8	41 (-2;-4)	37
FINEO Safety 10	44 (-2;-4) ⁽³⁾	40 ⁽³⁾
FINEO Safety 12	45 (-2;-5) ⁽³⁾	41 ⁽³⁾

Production feasibility

DIMENSIONS	Maximum	1.5m x 2.5 or 1.6m x 2.4m
	Minimum	0.2m x 0.2m
SHAPE	Standard	square or rectangle
	Shapes	end 2020

Safety glass tests

	EN STANDARD
	EN 12600 ⁽⁴⁾
FINEO Safety 8	1B1
FINEO Safety 10	
FINEO Safety 12	

(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. 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.

(3) Estimated values.

(4) FINEO sample measuring 0.88m x 1.94m as per EN 12600.