FINEO SAFETY

ENERGLAZE UK

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 unprecedent 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 any loss of performance.

| What's so special about it? | What does it mean for you? |
|---|---|
| Slim, sleek and aesthetical design | ▪ An appearance similar to monolithic glass<br>▪ No vacuum evacuation port<br>▪ 20 mm grid micro-pillars(1)<br>▪ Suitable for retrofitting(*) into existing windows |
| Outstanding thermal insulation | ▪ U-value = 0,7 W/(m2.K)<br>▪ Regardless of the inclination (e.g. sloped or roof glazing) |
| Sustainable investment | ▪ Designed to perform for several decades |
| More natural daylight | ▪ Slim design providing more light comfort inside |
| Harnessing more free solar energy | ▪ Lower energy consumption<br>▪ Lower emissions |
| Better noise reduction | ▪ Increased soundproofing<br>▪ Reduced traffic noise |
| Lead-free and recyclable | ▪ 100% Recyclable<br>▪ Circular sustainability |
| Reduced UV radiation | ▪ Blocks up to 99% of UV rays<br>▪ Reduces discoloration of interior furniture |

(*) 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.energlaze.co.uk**

# LESS IS MORE

## LIGHT AND ENERGY PERFORMANCE[2]

| FINEO SAFETY | Total thickness [mm] | EN 410 | | | | EN 673 |
|---|---|---|---|---|---|---|
| | | LT [%] | LR ext [%] | LR int [%] | g [-] | Ug [W/(m².K)] |
| FINEO Safety 6 v101 | 14.0 | 77 | 13 | 14 | 0.58 | 0.7 |
| FINEO Safety 8 v101 | 15.0 | 77 | 13 | 14 | 0.57 | |
| FINEO Safety 10 v101 | 17.0 | 76 | 13 | 14 | 0.56 | |
| FINEO Safety 12 v102 | 21.0 | 75 | 13 | 14 | 0.56 | |

## ACOUSTIC PERFORMANCE [3]

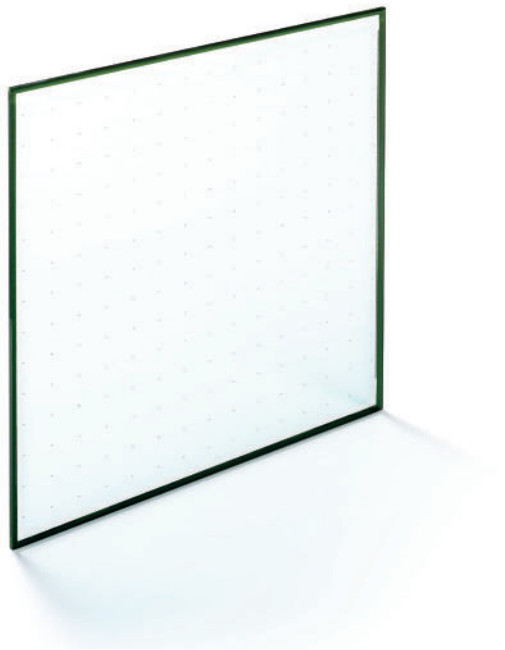
| FINEO SAFETY | EN ISO 10140 | |
|---|---|---|
| | Rw [C;Ctr] [dB] | Rw+Ctr [dB] |
| FINEO Safety 8 v101 | 41 (-2;-4) | 37 |
| FINEO Safety 10 v101 | 42 (-2;-3) | 39 |
| FINEO Safety 12 v102 | 42 (-1;-2) | 40 |

## SAFETY GLASS TEST

| FINEO SAFETY | EN STANDARD |
|---|---|
| | EN 12600[5] |
| FINEO Safety 8 v101 | 1B1 |
| FINEO Safety 10 v101 | |
| FINEO Safety 12 v102 | |

## PRODUCTION FEASIBILITY

| | | |
|---|---|---|
| Dimensions | Maximum[4] | 1.5m x 2.5m or 1.6m x 2.4m |
| | Minimum | 0.2m x 0.2m |
| Shapes | Available in an important number of shapes | |



(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) 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.
(4) The maximum dimensions depend on climatic conditions.
(5) FINEO sample measuring 0.88m x 1.94m as per EN 12600.

The information and data contained in this document are subject to change without notice.
For more information check our website www.fineoglass.eu

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