

FiNEO
by AGC



Ultimate slim design for
maximum indoor comfort



FINEO – the insulating glass that keeps on giving

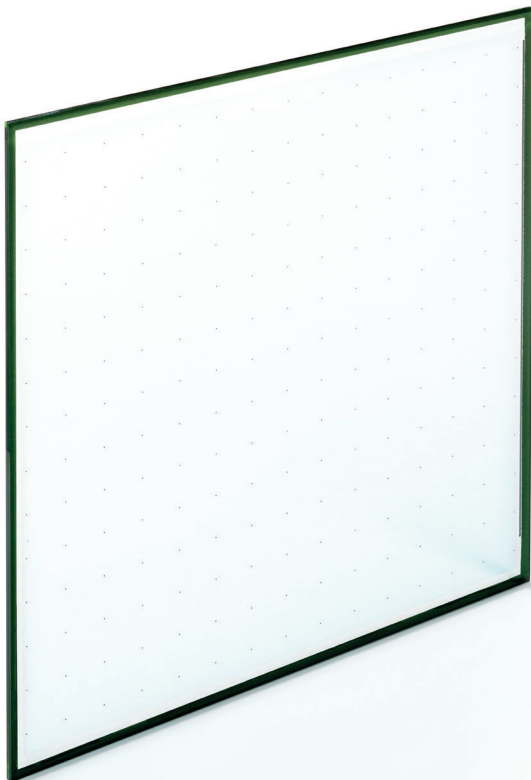
FINEO is much more than glass technology. It is **pure comfort**. This pioneering vacuum-insulating glazing not only delivers astonishing energy performance, but also combines **exceptionally high thermal insulation with impressive noise reduction and unprecedented sustainability** in one superb product. FINEO easily outperforms and outlives ordinary insulating glass.

This thin vacuum-insulating glass boasts an **elegant, slim look**, ensuring maximum use of **sunlight and solar energy**.

FINEO insulates equally as well as triple glazing, but is **lighter and thinner**, meaning it can be installed into the existing window frame. This often makes FINEO the most **cost-effective solution for renovation and restoration projects**.

But that's not all! FINEO is also a sustainable investment: not only is it **100% recyclable**, it has no inert gases or organic seals which means **it will not deteriorate over time**.

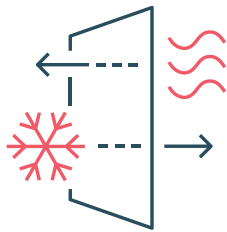
Fineo has a market-leading guarantee of 15 years but has a life expectancy of much longer.



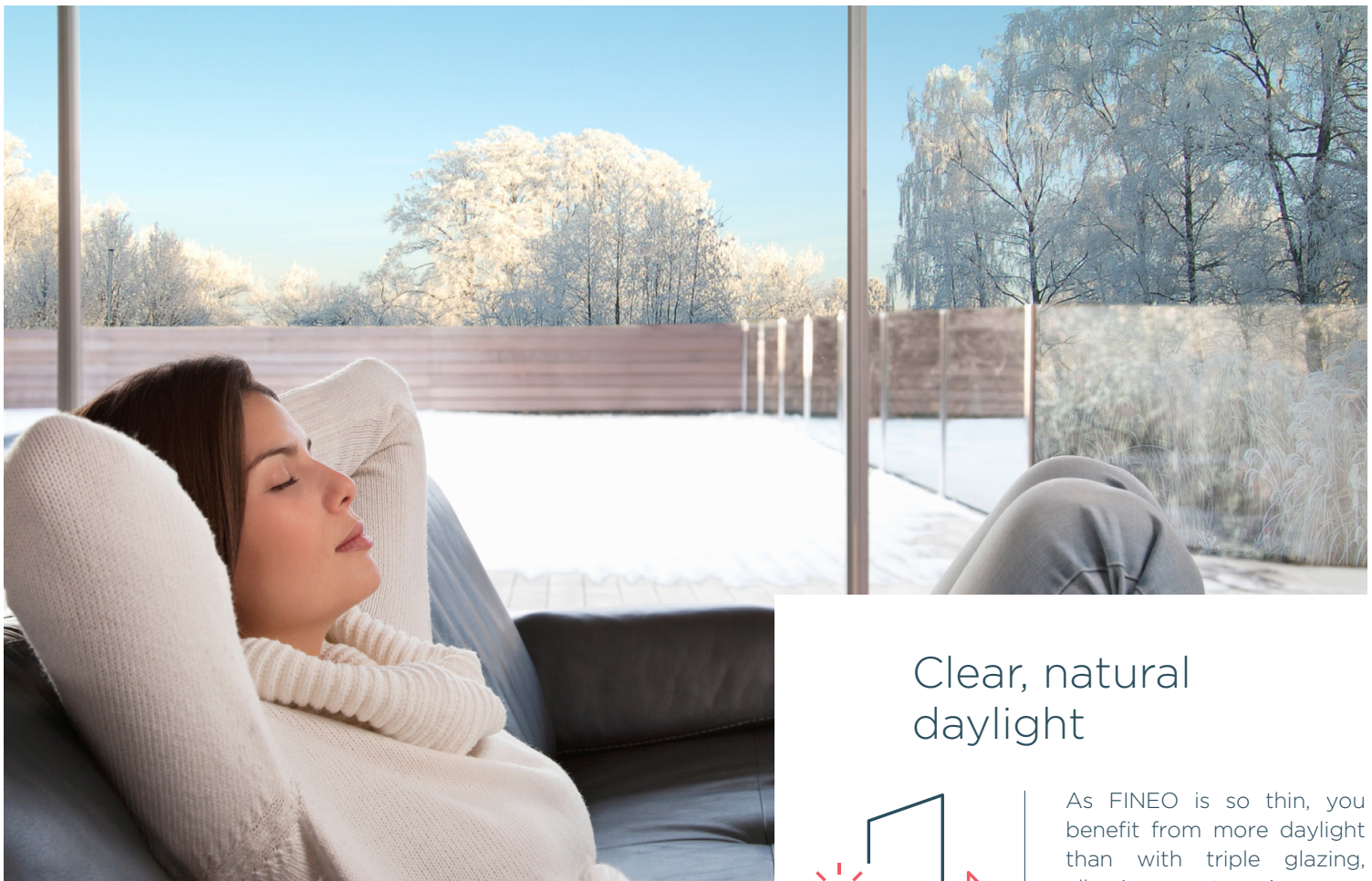
Ultimate slim design
Maximum comfort

A NEW LEVEL IN COMFORT

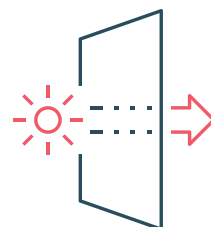
Warm and cosy



With FINEO insulating glass you will feel much warmer compared to single or double glazing. Why? Due to FINEO's exceptional low u-value, the internal pane is warmer, which in turn eliminates draughts and cold spots.



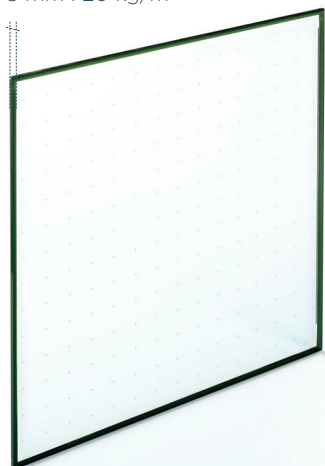
Clear, natural daylight



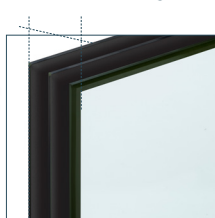
As FINEO is so thin, you benefit from more daylight than with triple glazing, allowing you to enjoy more natural light during the darker months.

Thinner, lighter, more elegant

FINEO
8 mm | 20 kg/m²



TRIPLE GLAZING
36 mm | 30 kg/m²



Slim window frames retain their elegance and sophistication when retrofitted with thin FINEO insulating glass, allowing you to easily maintain your home's original charm and character.

Therefore, FINEO is also a sustainable solution.

A new standard for acoustic insulation



With FINEO you can relax in peace and quiet, a world away from all the noise and bustle. FINEO delivers superb traffic noise reduction, easily outperforming other glazing products typically installed in home and work environments.



Preserving historic window frames

In protected buildings, replacing the original glass with modern double glazing is usually not an option. FINEO not only preserves the authentic look of the building, but also brings thermal comfort up to modern standards.

A NEW APPROACH TO SUSTAINABLE INVESTMENT



The most sustainable solution

Choosing FINEO means a sustainable investment while maintaining comfort, energy and safety performance.



Extend the lifetime of window frames

FINEO glass significantly reduces internal condensation*, which considerably extends the lifetime of the window frames **.





Intelligent renovation

FINEO insulating glass allows you to tailor the latest in glass technology to different situations. For example, south-facing glass facades, north-facing windows and roof glazing can benefit from solar control, acoustic or safety glass

The broad FINEO range always offers an intelligent, customised answer.

Optimal use of solar heat

FINEO fully exploits the sun's heat, meaning you consume less energy during the cold winter months.

The optimal transmission of sunlight and heat ensures pleasant indoor temperatures all year round.



ECOLOGICALLY RESPONSIBLE SUSTAINABILITY AND RENOVATION



Reduce your fossil fuel footprint

Excellent thermal insulation and optimal use of solar heat mean less energy is required for heating. Not only do you save on increasingly scarce fossil fuels, but you also reduce emissions of nitrogen and particulates, meaning you contribute to the well-being of people and the environment.

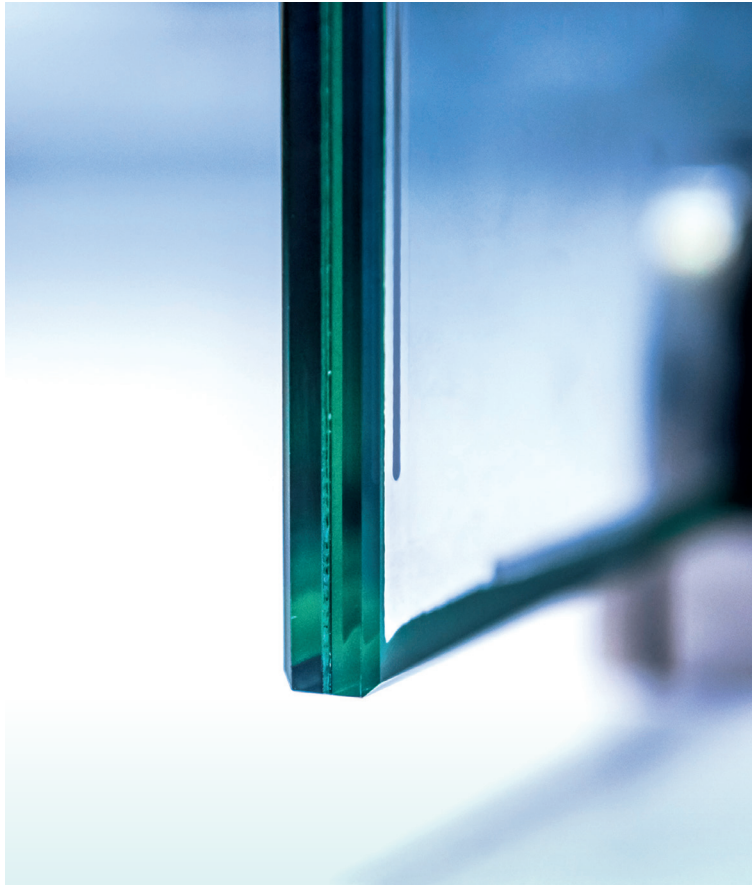
Circular sustainability and renovation

By reusing existing window frames, FINEO delivers a ready-made solution for circular sustainability and renovation.

Certified by Europe

FINEO is a certified glass product that has been approved by the European Organisation for Technical Assessment (EOTA).





Made in Europe

FINEO is manufactured and installed in Europe, avoiding unnecessary pollution generated by fabricating and importing vacuum glazing from further afield.

100% recyclable and cradle-to-cradle



FINEO is an insulating glass that can be fully recycled and reused to produce a new high-quality FINEO product.

With this cradle-to-cradle approach, FINEO is helping to build a waste-free world.

Thanks to its sustainable composition, FINEO glass can even be reused in a subsequent renovation or construction project.



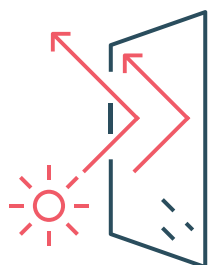
SAFE AND SECURE



Protect what you hold most dear

With the FINEO safety range, you can optimally protect your home and most prized possessions against theft or vandalism.

UV protection



Avoid exposure to harmful UV radiation by installing products from the FINEO safety range.

FINEO blocks at least 99% of UV radiation, which will help to reduce discoloration and fading of interior furnishings.



GOOD FOR YOUR WALLET

Turn your glass into radiators

Ultra slim FINEO glass has a thermal insulation value of $0.7 \text{ W}/(\text{m}^2 \cdot \text{K})$, which is equivalent to triple glazing, and up to 8 times better than single glazing.

Retrofitting FINEO into your existing timber framed windows will transform them into invisible radiators by keeping heat in and cold out, no matter what the temperature is outside.

| | U-Value | Internal Room Temperature 20°C | | |
|----------------|---------|--------------------------------|--------------|-------------|
| | | Outside -10°C | Outside -5°C | Outside 0°C |
| Single Glazing | 5.8 | -2.75°C | 1°C | 4.8°C |
| FINEO | 0.7 | 17.3°C | 17.7°C | 18.15°C |

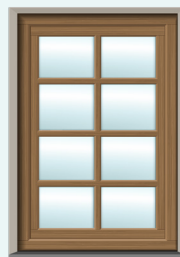


Cost-efficient renovation

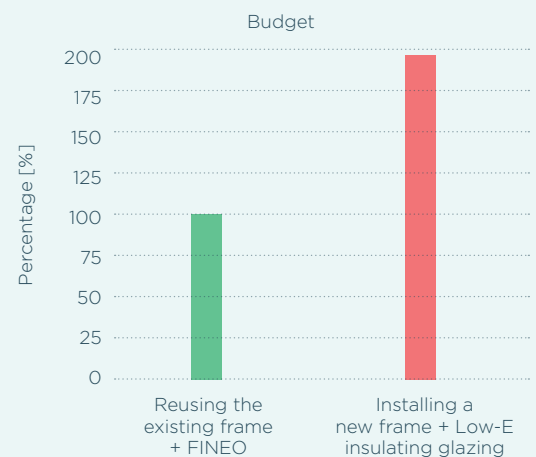
Installing FINEO insulating glass is much less labour-intensive than installing triple glazing, which involves breaking and removing the existing window frames. Since FINEO glass is so thin, you can reuse the existing frames.

This means that FINEO is often the most economical option and that airborne dirt and dust on the project site are nearly eliminated.

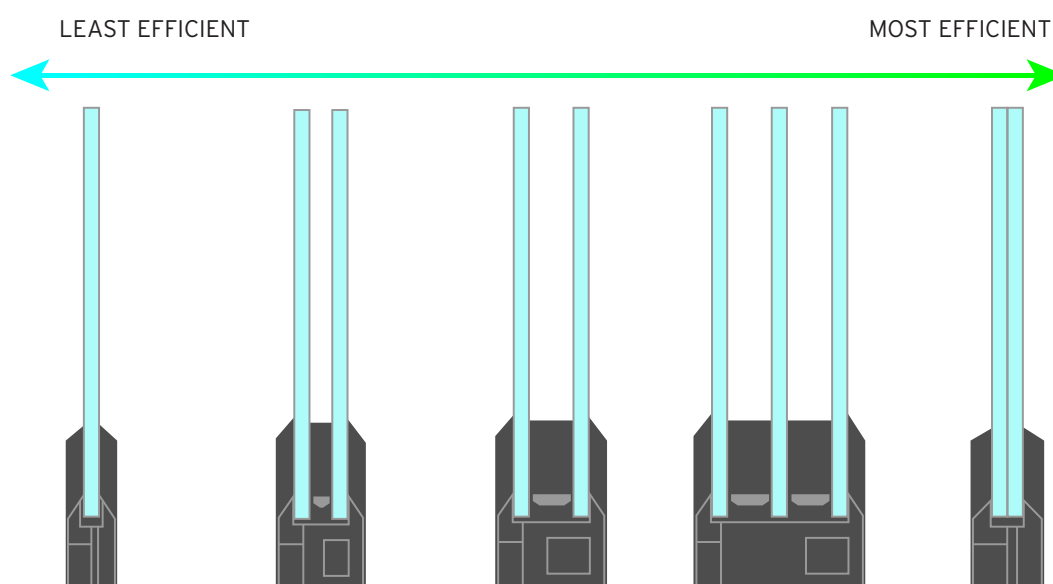
SAMPLE CALCULATION



- Wooden window frame
- 8 x FINEO units (each measuring 30 cm x 35 cm)



How does FINEO compare with other glazing?



| | Single Glazing | Slim Double Glazing | Double-Glazing | Triple Glazing | FINEO |
|--------------------------------------|----------------|---------------------|----------------|----------------|--------------|
| Thickness | 4mm | 11mm | 28mm | 36mm | 6.7mm |
| U-Value (W/m²K) | 5.8 | 1.9 | 1.2 | 0.8 | 0.7 |
| Light Transmission | 90 | 80 | 80 | 71 | 80 |
| Sound Reduction Rw (C;Ctr) dB | 29 (-2; -3) | 31 (-2; -5) | 31 (-2; -5) | 32 (-1; -5) | 35 (-2;-5) |



**Crystal Clear
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