



FINEO is much more than glass technology. It is pure living comfort. Because this groundbreaking vacuum insulating glass not only delivers amazing energy performance. It also combines exceptionally high thermal

insulation with impressive soundproofing and unseen durability.

The thin vacuum insulating glass also provides an elegant, sleek look.

FINEO insulates just as well as triple glass, but is lighter and thinner. So installation is much less labor-intensive than replacing full frames. This often makes FINEO the most economical solution for renovation and restoration projects.

FINEO is also a sustainable investment, because this insulating glass is 100% recyclable.

And the vacuum insulating glass also has a very long life 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(*) of existing windows
OUTSTANDING THERMAL INSULATION	<ul style="list-style-type: none"> ■ Uglass of 0.4 or 0.7 W/(m².K) ■ regardless of inclination (i.e. sloped or roof glazing)
DURABLE INVESTMENT	<ul style="list-style-type: none"> ■ designed performance for several decades
MORE NATURAL DAYLIGHT	<ul style="list-style-type: none"> ■ delivering increased indoor light comfort
HARNESSING MORE FREE SOLAR ENERGY	<ul style="list-style-type: none"> ■ lower energy consumption ■ lower emissions
INCREASED ACOUSTIC ATTENUATION PERFORMANCE	<ul style="list-style-type: none"> ■ offer increased acoustic indoor comfort ■ improved acoustic attenuation of disturbing traffic noise
LEAD FREE AND RECYCLE ABLE	<ul style="list-style-type: none"> ■ 100% recycle able ■ embraces the circular economy

(*) retrofitting: replace the existing glass with a Fineo glazing, fully preserving the initial window frame provided the window frame is in a properly functioning state.

ULTIMATE SLIM DESIGN FOR MAXIMUM INDOOR COMFORT

GENERAL QUESTIONS, PRODUCT INFORMATION SALES RELATED INQUIRIES AND QUOTATIONS WWW.FINEOGLASS.EU
OR INFO@FINEOGLASS.EU

Fineo and its competitor BENGglas

What's so special about it?

Fineo

BENGglas

AESTHETICAL DESIGN

- an appearance similar as monolithic glass
- no vacuum evacuation port
- use of high performances and neutral looking coatings



- large optical distortion along the edges due to sealing technology
- one version with evacuation port in a corner & with tablet getter in a corner
- three versions without evacuation port & with tablet getter in a corner or with strip getter
- use of coatings with colored aspect



THERMAL INSULATION

- Uglass of 0.4 or 0.7 W/(m².K) regardless of inclination (i.e. sloped or roof glazing)

- Uglass of 0.4 to 0,6 W/(m².K)
 - The sample that we were able to examine and analyze had a Ug of 0,68 W/(m².K)
 - The presented Uglass certificate corresponds to a version and thickness of product not found in the catalogue

ACOUSTIC INSULATION

- from 36 dB (to 47 dB in laminated versions)

- from 36 (to 41 dB in laminated version)
 - The presented acoustic certificate corresponds to a version and thickness of product not found in the catalogue

NATURAL DAYLIGHT HARNESSING SOLAR ENERGY

- light transmission TL 78% to 80%
- solar factor g 60 to 62%

- light transmission TL 63% to 78%
- solar factor g 53% or 58%

THICKNESS

- Solar Control version: TL 73% and g 40%

- Solar Control version: TL 70% and g 39%

WEIGHT

- 16,7 to 29,2 kg/m²

- 15 to 30 kg/m²

LEAD FREE AND RECYCLE ABLE

- 100% recycle able
- totally Lead-free
- embraces the circular economy

- limited recyclability
- contains heavy metals which present health and environmental hazards
- no circular economy due to the limitations of low recyclability

Components

Fineo

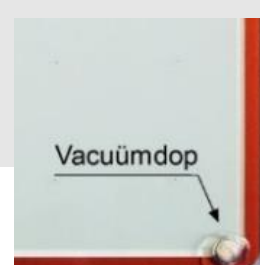
BENGglas


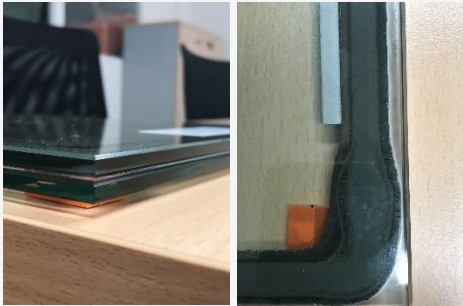
EVACUATION PORT

- none



- visible and weak, in a corner



<p>SEALING TECHNOLOGY</p>	<ul style="list-style-type: none"> ● ceramic (only) durable material ● rigid seal, not fragile ● totally moisture resistant ● narrow seal: 5mm max 	<ul style="list-style-type: none"> ● metals based seal ● soft seal, could be subject to fatigue (weakening of a material caused by cyclic loading) ● not moisture resistant: could be subject to corrosion due to metals ● wide seal: 9mm to 18mm 
<p>PILLARS</p>	<ul style="list-style-type: none"> ● placed in a 20mm square network ● very discrete: diameter of 500µm ● neutral dark organic material 	<ul style="list-style-type: none"> ● placed in a 40mm square network which can lead to optical distortions on glass ● diameter of 500µm ● shiny metallic material

<p>Installation</p>	<p>Fineo</p> <ul style="list-style-type: none"> ● comprehensive glazing instructions ● includes instructions for retrofit, renovation and new windows applications ● design tools made available for partners and customers ● all documents and tools are available on a website via a separate session for each partner: https://www.fineoglass.eu 	<p>BENGglas</p> <ul style="list-style-type: none"> ● no glazing instructions available
<p>INSTALLATION GUIDE SERVICES</p>		

<p>Certifications</p>	<p>Fineo</p> <ul style="list-style-type: none"> ● EAD (European Assessment Document) EAD DP 18-30-0021-04.04 delivered in January 2019 ● ETA (European Technical Assessment) ETA 20/0048 delivered in January 2020 ● CE marking ongoing 	<p>BENGglas</p> <ul style="list-style-type: none"> ● no EAD ● no ETA ● no European certificate
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An EAD, European Assessment Document, is the documentation of the methods and criteria accepted in EOTA, the European Organisation for Technical Assessment, as being applicable for the assessment of the performance of a construction product in relation to its essential characteristics. An ETA, European Technical Assessment, is the documented assessment of the performance of a construction product, in relation to its essential characteristics. **This ETA allows Fineo to be sold within the whole EU. No further test to validate the product is therefore needed in any EU country.**

<p>Extended range</p>	<p>Fineo</p> <ul style="list-style-type: none"> ● Solar Control: with a solar control layer to limit the heat entering the building ● Heritage: with an antique glass finish for historic looks ● Safety: laminated on the inside and outside for greater protection against physical damage ● Acoustic: reinforced soundproofing with a noise reduction up to 47 dB 	<p>BENGglas</p> <ul style="list-style-type: none"> ● no specific extended range ● hardened glass said to fulfill the Safety requirements but the presented certificate does not correspond to a version and thickness of product found in the catalogue and does not comply with EU standards for Safety ● shown acoustic certificate corresponds to a version and thickness of product not found in the catalogue
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<p>Cases</p>	<p>Fineo</p> <ul style="list-style-type: none"> ● multiple and increasing number of installation cases ● please visit https://www.fineoglass.eu and https://www.linkedin.com/showcase/fineo-by-agc/ 	<p>BENGglas</p> <ul style="list-style-type: none"> ● no known installation case referenced in Europe
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