

 **BENGglas[®]**

The world's best
insulating glass

U=0.35



Powered by
LandVac[®]

BENGglas has its roots in Giga-Glas!. A family business with over 30 years of international experience in safety glass.

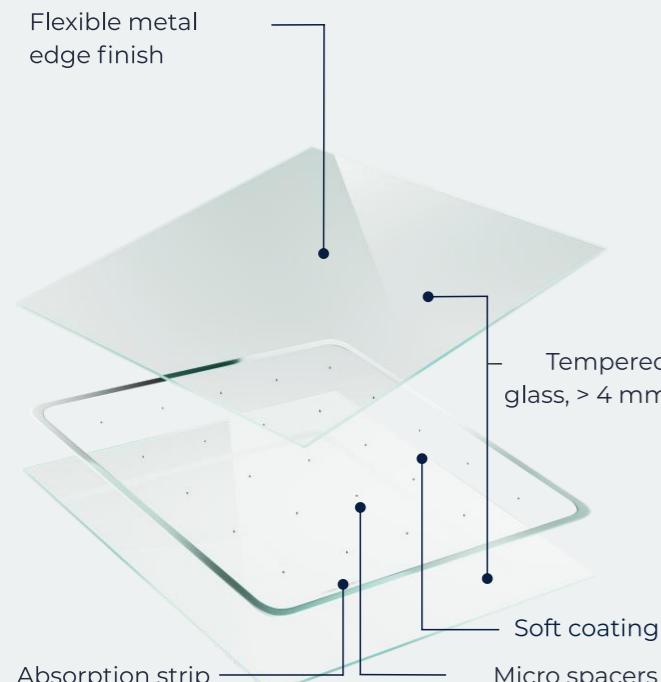
Building on that foundation, BENGglas was established in 2019 with one clear mission: to make vacuum glazing widely accessible. As the exclusive importer of LandVac – the first producer of tempered vacuum glazing since 2016 – BENGglas introduced the product to the market and successfully established its presence.

**Up to 230,000 m²
of glass production
per year**

**Holder of 429
patents**

**Active since
2016**

**Over 100 R&D
employees**



The power of vacuum glazing

between, containing a very high level of vacuum. This minimizes conduction between inside and outside, meaning that hardly any transfer of sound, heat, or cold can take place.

The result is an insulation value up to three times better than HR++ glass, with a thickness of only 8.3 mm.

It may sound simple, but every pane of BENGglas incorporates around 429 patents.

* ift Rosenheim, 2025
(EN 674, ISO 19916-1)

BENGglas®	Low-E double glazing	Triple glazing
✓ From 0.35*	1.10	0.70
✓ 8.3	21	38
✓ Standard	Optional	Optional
✓ Up to 83	80	65
✓ Up to 0,33	0.76	0.52
✓ 36 (-2;-3)	31 (-1;-4)	33 (-2;-6)
✓ 50	20-25	30
✓ No	Yes	Yes

Up to three times better than low-e double glazing, while keeping the existing frames

Renovation & Restoration

Where low-E double glazing and triple glazing are often too thick or too heavy, BENGglas offers the solution to make even (historic) buildings more energy-efficient while preserving their original appearance. It fits into existing window frames, can be combined with heritage glass, and achieves a U-value starting from U=0.35.

The result:

Maximum energy savings and increased property value thanks to an improved energy label. With subsidies and by reusing existing frames, your investment pays off quickly.



The unique power of BENGglas®



Maximum insulation: U=0.35

Insulates up to three times better than low-e double glazing and up to twice as well as triple glazing.



Fits in existing window frames

Save costs while preserving the authentic features of your property.



Backed by European test reports

U-values tested according to EN674 by IFT Rosenheim (2025), supplied with BCRG certifications.



Free from heavy metals

Without harmful substances, backed by RoHS reports.



Quiet living (-36 dB)

With the laminated option, noise reduction goes up to -42 dB (or higher)



Fully tempered

Five times stronger than annealed glass with only a limited risk of thermal breakage. Safety glass.



50-year lifespan, 20-year warranty

Up to twice as long as standard insulating glass.



Enhanced property value

Get an upgraded energy label right away, with attractive subsidies to support your investment.

Choose proven quality

Choose BENGglas and benefit from the world's only tempered titanium vacuum glazing, certified with independent European test reports.



Patented titanium technology

For extra strength, durability and insulation performance:

- ✓ 70% less heat conduction thanks to titanium spacers.
- ✓ Longer lifespan thanks to the titanium absorption strip.
- ✓ Lower energy consumption, all year round.
- ✓ 90% less stress, 40% stronger thanks to the flexible titanium edge seal.
- ✓ Extra resistance to corrosion and wear, even under the toughest conditions.

Independently tested by European institutes

All BENGglas products are independently tested by leading European institutes, including IFT Rosenheim and TÜV Rheinland.



Future-proof building starts with revolutionary glass

New construction

Build future-proof with BENGglas. Glass that, with an ultra-low U-value starting from 0.35, ensures maximum energy efficiency and comfort.

With a thin, lightweight pane that fits into slim frames, you save on both materials and construction costs.

This allows you to meet the strictest standards faster, while investing in a sustainable future with a lifespan of 50 years.

Perfect for homes, offices, schools, and climate-neutral projects.



A vacuum glazing solution for every project

BENGglas offers the right vacuum glazing solution for every project – from top insulation and solar control to burglary-resistant, sound-insulating, hybrid, fire-resistant (PyroGuard), extra-clear or heritage glass.

Do you have specific requirements and can't find your solution here?

We will be happy to think together with you.



Core range				U-value* (W/m ² K)
BENGglas® Extra Clear	BENGglas® Single Coated	BENGglas® Double Coated	BENGglas® Triple Coated	
0.50	0.40	0.40	0.35	Light transmission LTA in %
83	78	70	68	
0.68	0.58	0.39	0.33	Solar heat gain G-value
From 8.3	From 8.3	From 8.3	From 8.3	Thickness in mm
36 (-2;-3)	36 (-2;-3)	36 (-2;-3)	36 (-2;-3)	Soundproofing Rw (C;Ctr) dB
2.350 x 4.150	2.350 x 4.150	2.350 x 4.150	2.350 x 4.150	Maximum dimension in mm
0.30	0.30	0.30	0.30	Minimum to be calculated
Extra clear	Color-neutral	Solar control	Strong solar control Maximum insulation	Characteristics

* ift Rosenheim, 2025 (EN674: ISO 19916-1)

** TÜV Rheinland, 2025 (EN674: ISO 8302)

From glass as a silent polluter to glass as a silent hero

The energy transition is in full swing. Yet every building still loses most of its heat through the glass, often unnoticed. BENGglas breaks this pattern and offers the most powerful, yet often overlooked, solution: insulating glass with a U-value starting from 0.35.

An innovation that not only saves energy, but also drastically reduces raw materials, transport, and CO₂ emissions.

17.371.314

Kilos of CO₂ saved since 2016



Specials Assortment	BENGglas® Monu	BENGglas® Monu Restover	BENGglas® Solar Control	BENGglas® SUN
U-value* (W/m ² K)	0.50	0.50	0.50**	0.50
Light transmission LTA in %	83	75	45-47	Customizable
Solar heat gain G-value	0.68	0.60	0.29	Customizable
Thickness in mm	From 8.3	From 13.06	From 10.3	From 14
Soundproofing Rw (C;Ctr) dB	36 (-2;-3)	39 (-2;-3)	36 (-2;-3)	39 (-2;-3)
Maximum dimension in mm	2.350 x 4.150	1.500 x 2.500	2.350 x 4.150	1.500 x 2.500
Minimum to be calculated	0.30	0.40	0.30	0.50
Characteristics	Slightly distorted glass	Drawn glass	High solar control	Generates energy

* ift Rosenheim, 2025 (EN674: ISO 19916-1)

** TÜV Rheinland, 2025 (EN674: ISO 8302)

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