

THE WORLD'S BEST INSULATING GLASS

U=0.35*

Optimal indoor comfort thanks to maximum insulation, incidence of natural light and lower noise levels.

March 2025

BENG||GLAS
Powered by **LandVac**

* U-value based on EN674:2011 and ISO19916-1:2018 (ift Rosenheim, 2025) by type BENGglas Triple Coated.

EXCEPTIONAL PERFORMANCE



Quiet living
-36 dB

In laminated version, this increases to 39 dB.



Maximal insulation
 $U=0,35$

Insulates better than standard vacuum glass, triple glazing ($U=0,70$) and HR++ ($U=1,10$).



Fits in existing window frames

Save on the cost of materials and preserve the authentic features of your home.



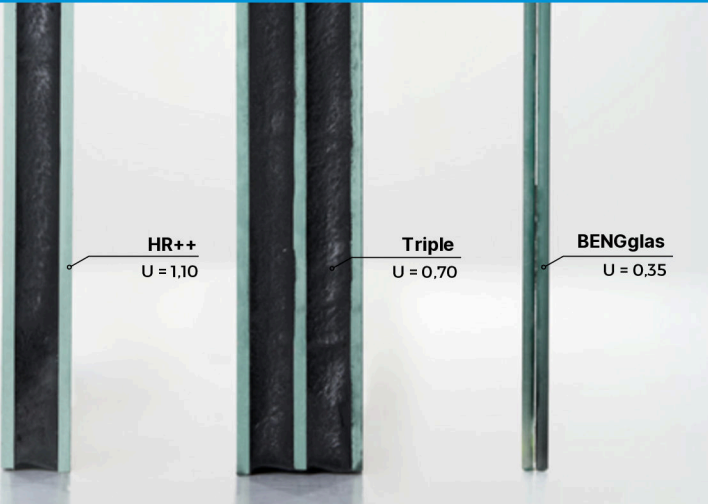
Natural light

15% more natural light compared to triple glazing.

A sustainable future with BENGglas

At BENGglas, we believe in a sustainable future. Our high-quality insulating glazing enhances comfort, reduces energy costs, and lowers your carbon footprint. With an expected lifespan of 50 years—twice as long as standard insulated glass—and 30% less material use than triple glazing, BENGglas is exceptionally sustainable.

Reduced energy loss and lower CO₂ emissions. Together, we are creating a more sustainable future.



Titanium Vacuum Glazing Only at BENGglas

At BENGglas, you are guaranteed top quality. Thanks to the use of titanium – an extremely strong and lightweight material that barely lets heat pass through – you benefit from:

- ✓ Maximum insulation due to lower heat transfer
- ✓ Longer lifespan through the use of sustainable materials
- ✓ Higher bending strength

10.000+ Thermal Cycle Test | **120+ MPa** Bending Strength



LandVac is the undisputed leader in vacuum glazing and is globally renowned for its unparalleled quality and innovations. With top certifications and widespread recognition in the glass industry, the company has firmly established its market leadership. What makes LandVac unique includes:

- ✓ Titanium vacuum glazing and standard tempered glass
- ✓ Fully operating on green energy
- ✓ R&D team of over 100 full-time employees

BENGglas is the exclusive distributor of LandVac in the Benelux, Germany, Austria, Denmark, Sweden, Finland, and Norway. Thanks to this collaboration, you can enjoy numerous benefits at BENGglas!

- ✓ Always the most competitive prices
- ✓ Guaranteed 20-year factory warranty
- ✓ Access to the most innovative products

PRODUCT BENEFITS



Fully tempered

Five times stronger, injury-resistant and no risk of thermal breakage.



20-year warranty

Twenty-year warranty on the performance of the glass.



100% recyclable

Contributes to a circular economy. Free of heavy metals.



The fewest spacers

Compared to other brands of vacuum glass.

	HR++ glazing	Triple glazing	BENGglas
U-value	1,10	0,70	✓ > 0,35
Thickness (mm)	21	38	✓ 8,3
Tempered	Optional	Optional	✓ Standard
Soundproofing Rw (C;Ctr)	31 (-1;-4)	33 (-2;-6)	✓ 36 (-2;-3)
Weight kg/m ²	22,5	35	✓ 20
Expected lifespan Degradation U-value?	20-25 years With degradation	30 years With degradation	✓ 50 years No degradation
Thermal degradation in inclined or horizontal placement	Up to 60%	Up to 40%	✓ 0%



BENGglas Single Coated 0,40

Museum Renovation

BENGglas references

Thanks to an extensive and knowledgeable dealer network, BENGglas contributes to the sustainability of countless projects. Whether it's a 1970s home, a modern office building, a luxury villa, or a monument, BENGglas always provides a suitable vacuum glazing solution. With innovative technologies and high-quality materials, we ensure optimal comfort, energy efficiency, and a sustainable future.

150+ Certified Installers

>1.000 Satisfied customers have gone before you



BENGglas Solar Control

Office renovation

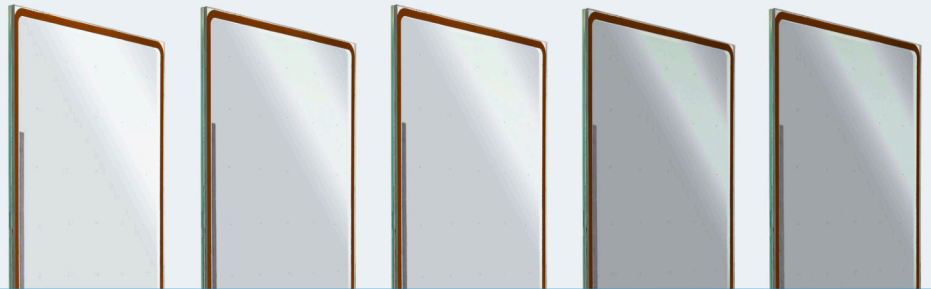


BENGglas Double Coated 0,40

Villa renovation

I.s.m. Bosch & Nagelhout B.V.

RANGE AND SPECIFICATIONS



SPECIFICATIONS	BENGGlas Extra Clear	BENGGlas Single Coated	BENGGlas Double Coated	BENGGlas Triple Coated	BENGGlas Solar Control
U-value	0,50*	0,40*	0,40*	0,35*	0,50**
Thickness from (mm)	8,3	8,3	8,3	8,3	8,3
LTA in %	83	78	70	68	45-47
G-value	0,68	0,58	0,39	0,33	0,29
Sealing edge / incl. absorption strip (mm)	9 / 14	9 / 14	9 / 14	9 / 14	9 / 14
Distance between spacers (mm)	55	55	55	55	55
Tempered	Yes	Yes	Yes	Yes	Yes
Option laminated	Yes (EVA)	Yes (EVA)	Yes (EVA)	Yes (EVA)	Yes (EVA)
Maximum size (mm)	2.350 x 4.150	2.350 x 4.150	2.350 x 4.150	2.350 x 4.150	2.350 x 4.150
Minimum size (mm)	200 x 230	200 x 230	200 x 230	200 x 230	200 x 230
Minimal surface area to be calculated	0,3	0,3	0,3	0,3	0,3

BENGGlas product selector	BENGGlas Extra Clear	BENGGlas Single Coated	BENGGlas Double Coated	BENGGlas Triple Coated	BENGGlas Solar Control
Best insulation value	0,50	0,40	0,40	✓ 0,35	0,50
Highest light transmission	✓ 83	78	70	68	46
Best sun protection	0,68	0,58	0,39	0,33	✓ 0,29
Color-neutral glass	✓ Extra clear	✓ Clear	No	No	No

* U-value based on EN 674:2011 and ISO 19916-1:2018 (ift rosenheim, 2025).

** U-value based on EN 674:2011 and ISO 8302:1991 (TUV Rheinland, 2025).

EINE KLUGE INVESTITION



Expected lifespan: 50 years

Up to two times longer than traditional insulating glass.



Save on new window frames

BENGglas is ultra-thin and fits into existing window frames.



Higher home value due to better energy label

The investment in the glass is put directly into the value of your home or property.



Save on additional measures

BENGglas reduces the energy requirements of your building or home. Your building will require fewer solar panels and a less heavy-duty heat pump.



No degradation of insulation value

HR++ and triple glazing lose their insulation value over time. With BENGglas, the insulation value is expected to remain stable for at least 50 years.



Save more from day one

Insulates three times better than HR++ and two times better than triple glazing. You'll see significant savings on your energy bills from day one.



BENG||SOLAR

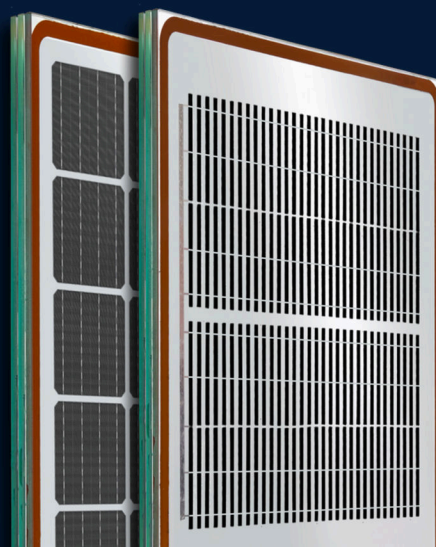
BENGglas and BENGsolar are part of BENGproducts B.V.

BENGsolar is your partner in building-integrated solar solutions for the commercial sector. Our focus is on delivering tailored solutions, including transparent, colored, or flexible solar panels. In addition to a varied range of products, we also offer advice and tailor-made support from the concept phase to execution.

BENGglas and BENGsolar have jointly developed BENGglas SUN, the best insulating solar panel in the world. Together, we aim for a sustainable and energy-efficient future. With BENGproducts, you save directly on the energy you don't use and generate the energy you do need.



Visit www.bengsolar.nl
for more information!



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