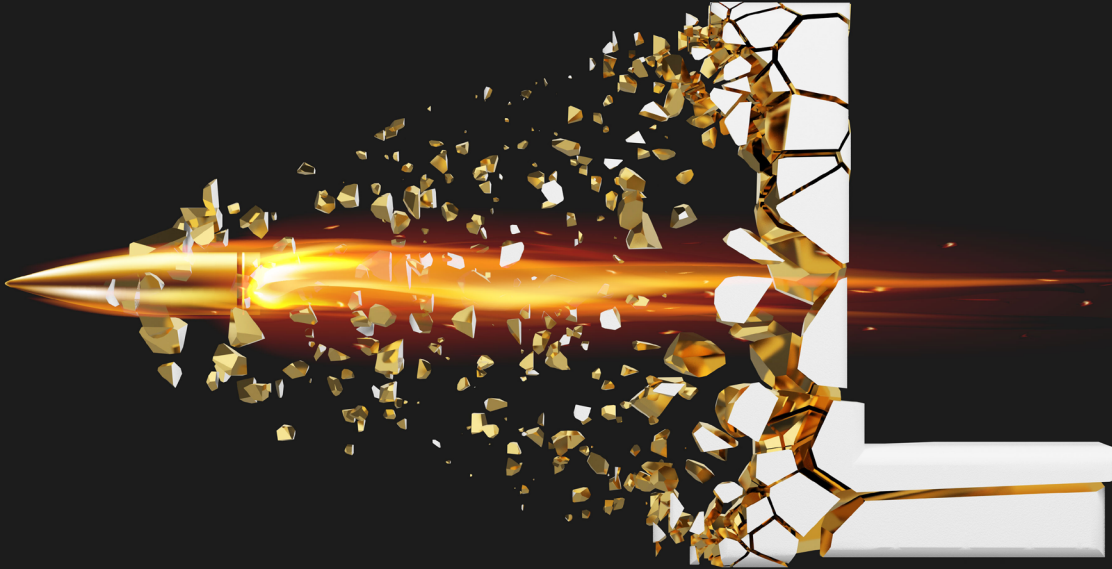


Are you a window manufacturer worried about
Part L compliance?

Get ahead of the regulations and your competitors



The magic bullet that smashes through Part L Regulations:

LandVac[®] Optimum Vacuum Glazing

**Don't redesign your profiles, just switch to a better
glazing specification**

0.4 centre pane U-value,
industry leading whole
window U-values*.

Aluminium	1.1 - 1.3 W/m ² K
Timber	0.8 - 1.0 W/m ² K
Steel	1.4 - 1.5 W/m ² K
uPVC	0.6 - 1.0 W/m ² K

Also

- ✓ 25.1mm overall unit thickness
- ✓ G-Value between 0.32 - 0.59
- ✓ 41dB Acoustic rating
- ✓ Toughened vacuum glazing unit with 6.8mm laminated outer pane for P1A compliance
- ✓ 10-Year warranty

**Thickness of double glazing with performance
exceeding quad glazing!**

*Figures are for guidance only, estimated based on average window size of 1230 x 1480 mm in typical material window profiles.

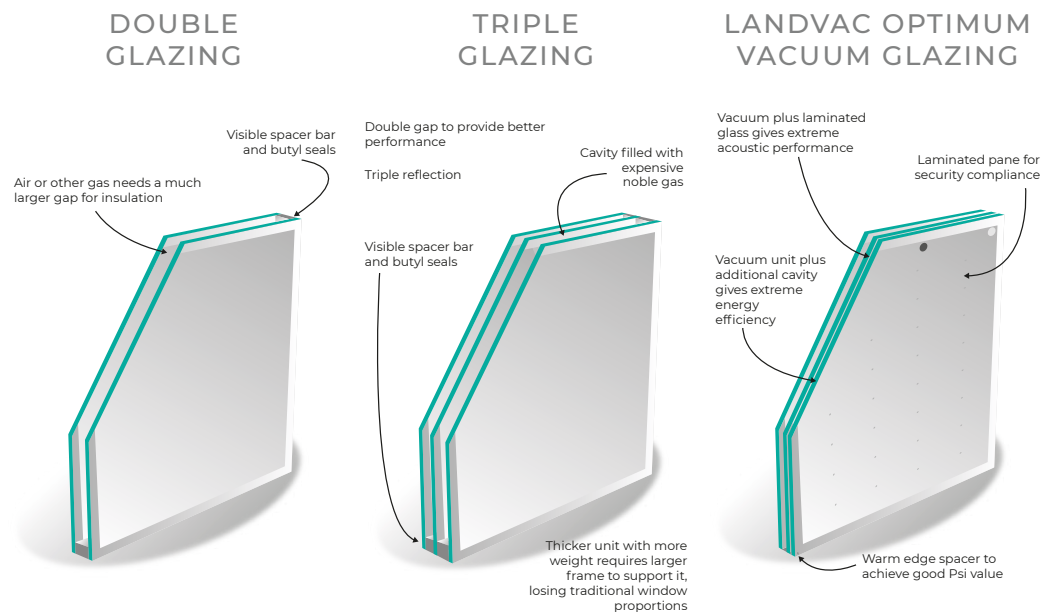
VACUUM GLASS vs TRADITIONAL GLASS



Compared to Triple Glazing, Vacuum Glazing has:

- ✓ Higher energy efficiency
- ✓ Noise reduction
- ✓ Better light transmission
- ✓ Slimmer profile
- ✓ Excellent reliability

Get ahead of the regulations and your competitors



	Double Glazing	Triple Glazing	LandVac Optimum Vacuum Glazing
Overall Thickness	28mm	38 - 48mm	25.1mm
U-Value	1.0 - 1.9	0.7 - 1.0	0.4
Acoustic Reduction (RW)	~31dB	~35dB	41dB
Estimated Lifespan	10 - 25 years	10 - 25 years	10 - 25 years

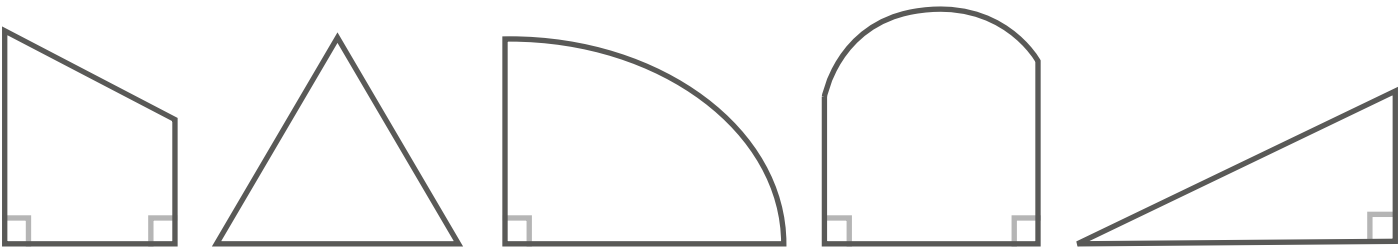
DATA TABLES

LANDVAC OPTIMUM

Product Series Indoor to Outdoor	U-Value (W/m²K)	Visible Light		SHGC (g-value)	Shading Coefficient	Weighted Sound Reduction Index
		Transmittance	Outdoor Reflectivity			
4T+0.3V+4TL (S1.16) + 9Ar + 3 + 0.76P + 3	0.4	72%	18%	0.59	0.68	41dB
4T+0.3V+4TL (D80) + 9Ar + 3 + 0.76P + 3	0.4	63%	19%	0.46	0.53	41dB
4TL (S1.16) + 0.3V+4TL (S1.16) + 9Ar + 3 + 0.76P + 3	0.4	70%	15%	0.48	0.55	41dB
4TL (D80) + 0.3V+4TL (D80) + 9Ar + 3 + 0.76P + 3	0.4	54%	16%	0.32	0.37	41dB

SHAPES

LandVac is available in a variety of shapes. Here are just a few examples to inspire your project:



Width to Height maximum ratio 1:6 for 8.3mm. Bigger than that and it will be 10.3mm

Any shape with a right angle and single point of radius. Isosolese triangles or right angled triangles with a hypotenuse greater that 370mm.

CAD drawings must be supplied for any shape orders.

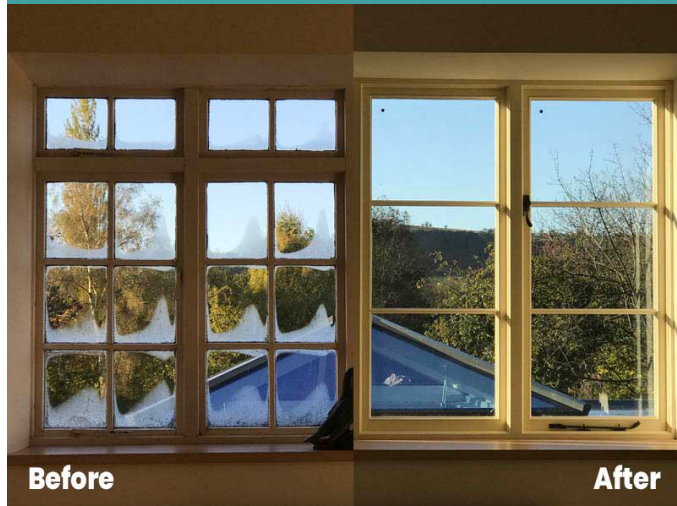
General Criteria and Specification Notes

Maximum Unit Size 1500mm x 2500mm

Minimum Unit Size 300mm x 300mm. Please note that minimum unit size for pricing is 0.3m2.

All LandVac Glass is toughened and has been certified to BS12150-1.
U-value certified using hot box testing at IFT Rosenheim on 9.3 unit.

What is Vacuum Glazing?



Single glazing with condensation

Vacuum glazing clearly solves the problem

Vacuum Glazing is highly efficient double glazing. Like standard double glazing, it is made with two panes of glass separated by a cavity. However, instead of the usual gas or air-filled cavity, all air is extracted, and the unit is completely sealed.

The effectiveness of the vacuum means that the gap between the two panes can be incredibly narrow – around 0.3mm. This narrow gap makes Vacuum Glazing the perfect choice for heritage windows which emulate single glazing. When incorporated into triple glazing, performance is increased without requiring changes to window profiles.



Beautiful

Ultra-Thin profile makes this perfect for existing double glazing profiles.



Warm

This product has exceptional thermal efficiency, exceeding quad glazing, but in an ultra thin profile.



Quiet

Leading acoustic performance, without the need for thicker, heavier panes of glass.



Safe

The LandVac unit is always constructed from two panes of 4mm toughened glass.



Reliable

Industry leading 10-year warranties and an anticipated lifespan in excess of 25 years.



Sustainable

The bare LandVac units are fully recyclable and have no noble gasses which are energy intensive to produce.



Visit our website to find a distributor in your area or call today:

www.vacuumglazing.co.uk

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