

SPECIFICATION SHEET



Glavenir Vacuum Insulated Glass

VIGA introduces Panasonic's world leading product - "Glavenir" vacuum insulated double glazing (VIG) to the Australian market.

Glavenir is the future of glass for new windows and retrofitting ultra high performance glass to existing window frames.

With only a 6.1 mm slim profile it fits many existing window frames and unlike alternatives it does not compromise design, heritage, visual appearance or operation of old wooden windows.

Developed by Panasonic, the world leader for thin glass design and performance, Glavenir optimises comfort and out performs conventional double glazing. It is as good as or even better than triple glazing! Ask your glazier or new window manufacturer to contact VIGA today. **Order online at vacglass.com.au**, delivered safe and sound in fully recyclable packaging.

With a 6.1 mm profile Glavenir offers the following advantages over traditional glazing solutions:

- thermally out performs a double glazed unit by 3x (U value of 0.7)
- thermally out performs old glass by 8.5 x
- significantly reduces noise - 18% better than double glazing
- very thin lead free edge seal
- clear sight lines with no vacuum evacuation valve*

And unlike double glazing it does not have:

- a rubber seal to break down from moisture
- gasses (argon or krypton) to leak out over time
- a thick cross section that does not fit or compromise existing window frames

VIGA is a trading name of Sealasash Pty Ltd
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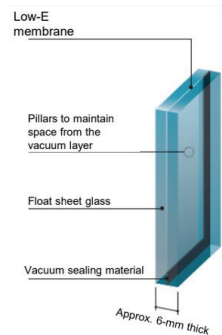
*excludes toughened Glavenir which has a small valve.

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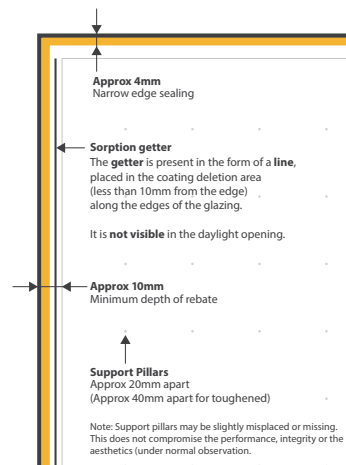
Panasonic

Glavenir

Vacuum Insulated Glass



U-value = 0.7 W/m²·K
(High thermal-insulation glass)



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	Single Glazing	Double Glazing	Triple Glazing	Glavenir annealed
Thickness	4mm	28mm	36mm	6.1mm
U-Value (W/m ² K)	5.8	1.2	0.8	0.7
Light Transmission %	90	80	71	75
Sound Reduction (Rw (C;Ctr) dB)	29 (-2; -3)	31 (-2; -5)	32 (-1; -5)	35 (-2; -5)
Solar G-Value (SHGC)	0.87	0.71	0.61	0.39

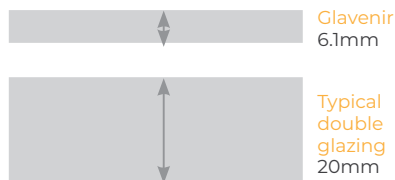
Performance comparison table

	Total thickness (mm)	Heat transfer coefficient (W/m ² ·K)	Thermal insulation performance of Panasonic VIG
Low-E multi-paned glazing	Approx. 18	1.2 to 2.9	Approx. 3 times
General multi-paned glazing	Approx. 18	2.8 to 4.3	Approx. 5 times
Single pane of glass	3 to 6	5.9 to 6.0	Approx. 8.5 times

Summary

- fits into new and old frames including old wooden windows without compromise
- 8.5 times more efficient than old single glazing
- 3 times more efficient than double glazing (and 12.5% more efficient than triple glazing)
- noise reduction is 18% better than double glazing with a 34% perceived reduction
- comparable solar gain to double glazing
- a vacuum with no visible valve* in the glass and no gases to leak out
- a lead free edge seal with no rubber seal to fail under moisture
- 10 year warranty backed by Panasonic
- **Order online at vacglass.com.au**

Visual thickness comparison



Scan for a video about Glavenir



Panasonic **Glavenir**
Vacuum Insulated Glass

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