



ACOUSTIC

ComfortHush¹

Insulated acoustic laminated glass

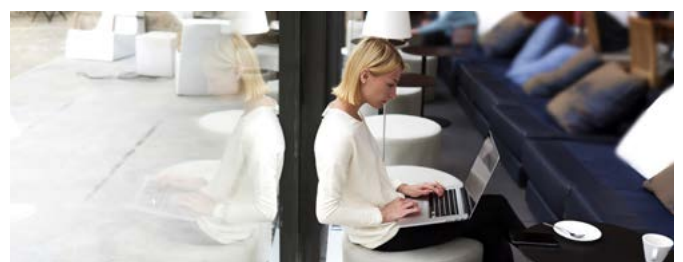
The ComfortHush¹ range is a combination of a durable Low E coating with a specially formulated acoustic interlayer that absorbs external noise and maintains a comfortable temperature in your home.

The special 3-layer acoustic PVB laminate is specifically designed to reduce sound transmission, whilst the Low E coating offers improved energy efficiency performance which helps to keep homes and buildings cooler in summer and warmer in winter.

ComfortHush¹ 6.5mm and 6.88mm provides a 6dB improvement compared to ordinary 3mm glass found in many residential windows.

Features and Benefits

- ComfortHush¹ can be installed into most single glazed window frames.
- ComfortHush¹ 6.5mm and 6.88mm provides up to 39% better insulation than ordinary 4mm glass resulting in a more comfortable home and energy savings all year round.
- Reduces UV radiation by 99% reducing fading up to 8.5 times over normal glass.
- ComfortHush¹ is a laminated Grade A safety glass.





Considerations

Thermal Stress

- When combining toned products, it is recommended that a thermal stress assessment be undertaken.

Installation

- For an accurate sound assessment, all elements of the building envelope need consideration in order to develop an accurate acoustic solution. This includes window frames, walls, floor and roof materials which all influence sound transmission.
- Ensure any airgaps and frames are well sealed to avoid noise leaks, poorly sealed spaces will leak both air and noise.
- Haze may be present under certain light conditions.
- When single glazed, the coating needs to be exposed to the interior of the building. The Viridian product label will be applied to the non-coated surface and must be installed to the outside of the building.
- When incorporated into an IGU, it is recommended that the coating be applied to the internal surfaces of the unit. Ensure the coated surface is identified and oriented for optimal performance. It is not recommended to incorporate neutral or toned products due to thermal risk.

Sectors

- Residential
- Commercial

Applications

- Windows
- Doors
- Facades
- Retrofit Glazing

How to Specify

- Select glass processor**
Viridian Glass
- Select glass name**
ComfortHush¹
- Select tone & thickness**
See chart below.
- Select processes**
Laminated or insulated glazed units.

Standard Stock Sizes

Product Name	Thickness	Stock Size
ComfortHush ¹ Clear	6.5mm 10.5mm	3660mm x 2440mm
ComfortHush ¹ Grey	6.88mm 10.88mm	3660mm x 2440mm
ComfortHush ¹ Neutral	6.5mm 10.5mm	3660mm x 2440mm
ComfortHush ¹ Translucent	6.88mm 10.88mm	3660mm x 2440mm

Note: Subject to further processing requirements. Standard stock sizes do not reflect actual available stock, please consult Viridian.

Performance Data

Product Name	Nominal Thickness (mm)	VLT (%)	U Value	SHGC	Selectivity
ComfortHush ¹ Clear (#4)	6.5	81	3.60	0.67	1.21
ComfortHush ¹ Clear (#4)	10.5	80	3.60	0.64	1.25
ComfortHush ¹ Neutral (#4)	6.5	60	3.60	0.52	1.15
ComfortHush ¹ Neutral (#4)	10.5	59	3.60	0.49	1.20
ComfortHush ¹ Grey (#4)	6.88	39	3.60	0.50	0.78
ComfortHush ¹ Grey (#4)	10.88	38	3.50	0.47	0.81
ComfortHush ¹ Translucent (#4)	6.88	63	3.60	0.59	1.07
ComfortHush ¹ Translucent (#4)	10.88	62	3.60	0.56	1.11

Note: All performance data is determined using LBL window 7 software. NFRC 100 - 2010 conditions have been used. Glass surfaces are counted from the exterior to the interior of the building. Refer to Viridian Performance Data for more values.

ComfortHush¹ is a registered trademark of Oceania Glass.