

## Acoustic Solutions

Effective noise reduction

Enhanced thermal protection

Interior & exterior use



# Acoustic Solutions

Acoustic comfort has a major impact on the way a space is experienced. In our increasingly urbanised world, it's seldom possible to stop unwanted noise at the source. Instead, the task of blocking it out falls to the materials with which our homes, offices and public buildings are built.

Regrettably, many buildings still use ordinary glass, allowing an easy path for noise intrusion. Acoustic performance glass from Viridian is the proven, superior alternative. Suitable for use with solar control and double glazing applications, our acoustic glass solutions dramatically reduce noise penetration.



## Two quiet achievers.

Two distinct, yet complementary products make up the comprehensive Viridian acoustic performance range – VLam Hush™ and ComfortHush™. Suited to a wide range of applications, and available in a choice of colours, both are engineered to protect peace and quiet, while preserving views to the world outside.

VLam Hush™ provides enhanced protection from UV light, helping protect your interior furnishings from fading, whilst ComfortHush™ includes a Low-E coating to provide enhanced thermal insulation.

## A solution for every application.

From small cafes on busy roads, or schools positioned alongside train tracks, to the largest commercial buildings and airports, VLam Hush™ and ComfortHush™ give you premium acoustic options for a diverse range of applications.



Normal Conversation  
60dB



Dog Barking  
70dB  
2x as loud as 60dB



Loud Traffic  
80dB  
4x as loud as 60dB



Train Whistle at 150m  
90dB  
8x as loud as 60dB



Lawn Mower  
100dB  
16x as loud as 60dB



Rock Concert  
115dB  
48x as loud as 60dB

The nature of the decibel scale illustrates how a small variation in decibels equates to quite a large difference in what we actually hear.

	COLOUR	THICKNESS	RW	VLT	VRO	VRI	ST	SR	UVT	UVAL	SHGC	SC	(kg/m²) WEIGHT
VLam Hush™	Clear	6.5mm	36	87	8%	8%	72	7	<1%	5.7	0.78	0.90	15.4
		8.5mm	37	87	8%	8%	72	7	<1%	5.7	0.78	0.90	20.4
		10.5mm	38	87	8%	8%	70	7	<1%	5.6	0.77	0.89	25.4
		12.5mm	40	87	8%	8%	69	7	<1%	5.5	0.76	0.88	30.4
	Grey	6.88mm	36	42	5%	5%	45	5	<1%	5.7	0.61	0.70	15.4
		10.88mm	38	41	5%	5%	41	5	<1%	5.5	0.58	0.67	25.4
		12.88mm	40	41	5%	5%	40	5	<1%	5.5	0.58	0.66	30.4
	Translucent	6.88mm	36	68	7%	7%	58	6	<1%	5.7	0.69	0.80	15.4
		10.88mm	38	66	7%	7%	53	6	<1%	5.5	0.66	0.76	25.4
12.88mm		40	66	7%	7%	52	6	<1%	5.5	0.65	0.75	30.4	
ComfortHush™	Clear	6.5mm	36	82	10%	11%	64	9	<1%	3.6	0.68	0.79	15.4
		10.5mm	38	79	11%	11%	58	9	<1%	3.6	0.64	0.74	25.4
	Neutral	6.5mm	36	59	7%	9%	42	7	<1%	3.6	0.51	0.60	15.4
		10.5mm	38	62	8%	10%	40	7	<1%	3.6	0.49	0.58	25.4
	Grey	6.88mm	36	39	6%	9%	39	6	<1%	3.6	0.49	0.57	15.4
		10.88mm	38	38	6%	9%	34	6	<1%	3.6	0.46	0.53	25.4
	Translucent	6.88mm	36	63	8%	10%	51	7	<1%	3.6	0.59	0.67	15.4
		10.88mm	38	61	8%	10%	46	7	<1%	3.6	0.55	0.63	25.4

- RW Weighted Sound Reduction Index
- VLT Visible Light Transmission
- VRO Visible Reflectance Out
- VRI Visible Reflectance In
- ST Solar Transmission
- SR Solar Reflectance
- UVT UV Transmission
- UVAL U-Value
- SHGC Solar Heat Gain Coefficient
- SC Shading Coefficient

Windows and doors must also use the correct framing and be firmly sealed to prevent noise passing through. A full assessment of the entire building is required in order to develop an adequate acoustic solution.



# VLam Hush™

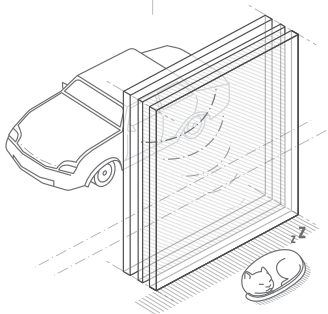
VLam Hush™ uses a specifically developed acoustic interlayer that targets sounds in the high frequency range – the most sensitive range of human hearing. This level of sound reduction would normally demand a much thicker, far heavier product.

Viridian’s acoustic interlayer is the key. Intentionally formulated to absorb sound, it creates a bonding interlayer between two sheets of glass, resulting in a light yet highly effective laminated glass.

Strong, safe and durable.

Tested and certified to Grade A Safety Glass standards, VLam Hush™ can be used with absolute confidence in a wide range of internal and external applications.

Not only a highly effective sound insulator, VLam Hush™ is also extremely versatile and can be combined with Viridian solar control options or incorporated into a double glazed unit.



# ComfortHush™

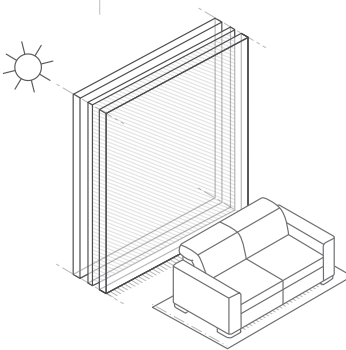
Like VLam Hush™, ComfortHush™ is also a laminate comprised of two glass outer layers bonded to an acoustic interlayer, and provides up to 39% better thermal insulation than ordinary glass.\*

This means that you will not only be protected from external noise, but the inside of your home or building will stay cooler in summer and warmer in winter.

Beat the heat.

The coating applied to ComfortHush™ allows light to pass through without emitting radiant heat, maximising both natural illumination and energy efficiency.

ComfortHush™ doesn't just put big ticks in the acoustic and thermal comfort boxes; it also helps to protect your interior furnishings from fading by eliminating 99% of Ultra Violet (UV) light.



Above left Loreto College, Melbourne by Architectus Melbourne. Above right Plaza Tavern, Hoppers Crossing by The Buchan Group. Opposite, left image Port Melbourne Football Pavilion by K20 Architects. Flap St Michael's Grammar, Melbourne by Architectus Melbourne.

\*Compared to 4mm clear float glass.

For more  
information.

For additional product details  
or information regarding  
specifying and ordering,  
please contact your local  
Viridian representative.

Visit our website  
[www.viridianglass.com](http://www.viridianglass.com)  
or call 1800 810 403

Features.

APPLICATIONS

**Internal**

- Doors
- Partitions

**External**

- Facade
- Windows

COLOUR, THICKNESS  
& MAXIMUM SIZE

COLOUR	THICKNESS (MM)	MAXIMUM SIZE (MM)
<b>VLam Hush™</b>		
Clear	6.5	5100 x 3210
	8.5	3660 x 2440
	10.5	3660 x 2440
	12.5	5100 x 3210
Grey	6.88	5100 x 3210
	10.88	3660 x 2440
	12.88	3660 x 2440
Translucent	6.88	3660 x 2440
	10.88	3660 x 2440
	12.88	3660 x 2440
<b>ComfortHush™</b>		
Clear	6.5	3660 x 2440
	10.5	3660 x 2440
Neutral	6.5	3660 x 2440
	10.5	3660 x 2440
Grey	6.88	3660 x 2440
	10.88	3660 x 2440
Translucent	6.88	3660 x 2440
	10.88	3660 x 2440

PERFORMANCE

VLam Hush™ and ComfortHush™  
are both laminated Grade A  
Safety Glass (AS/NZS2208)

WARRANTY

For warranty information  
please visit our website  
[www.viridianglass.com](http://www.viridianglass.com)