



## Noise

### VLam Hush™

#### Description

Viridian **VLam Hush™** is a laminate that uses a specially developed interlayer to dampen noise, providing enhanced sound insulation performance. This means that thinner and lighter glass can be used for equivalent acoustic performance. VLam Hush reduces the coincidence dip of standard monolithic and laminated glass.

#### Considerations

Vents in a wall provide a simple entry point for noise. In most houses there is a gap between the roof and the ceiling above the external walls which allows noise into the ceiling space. If the house is built on stumps then noise has access to the under floor space. Windows and doors which do not seal well will also allow noise to pass around their frames, so a proper assessment of the entire building is required in order to develop an adequate solution.

#### Ready Reckoner

The following is a guide only. It is not a substitute for a detailed sound analysis.

#### Features and benefits

- ◆ Laminated Grade A safety glass.
- ◆ Available in 6.5 to 12.5mm thicknesses in 3660 x 2440mm.
- ◆ Can be incorporated with other solar control glass options. Cannot be combined with other tinted interlayers.
- ◆ Can be incorporated in a ThermoTech insulating glass unit.



#### Applications

- ◆ Apartments
- ◆ Offices
- ◆ Hospitals
- ◆ Airports
- ◆ Buildings close to main roads

#### Maximum size

- ◆ 3660 x 2440mm

#### Thickness of resin (New Zealand)

- ◆ 1mm
- ◆ 1.5mm
- ◆ 1.8mm

#### How to specify

- ◆ **Select glass name**  
Viridian VLam Hush
- ◆ **Select thickness – process**  
6.5mm to 12.5mm – Laminated
- ◆ **Select colour**  
Refer to product range chart

External noise source (dB)		Product selection		
		Traffic	Aircraft	Voice
Low 65	Office*	6mm VFloat	6mm VFloat	6mm VFloat
	Living Room*	6.38mm VLam	6.38mm VLam	6.38mm VLam
	Bedroom*	6.5mm VLam Hush	6.5mm VLam Hush	6.38mm VLam
Medium 70	Office	6mm VFloat	6mm VFloat	6mm VFloat
	Living Room	6.5mm VLam Hush	6.5mm VLam Hush	6.38mm VLam
	Bedroom	8.5mm VLam Hush	8.5mm VLam Hush	8.5mm VLam Hush
High 75	Office	6mm VFloat	6mm VFloat	6mm VFloat
	Living Room	10.5mm VLam Hush	10.5mm VLam Hush	8.5mm VLam Hush
	Bedroom	12.5mm VLam Hush +16mm airspace +8.5mm VLam Hush	12.5mm VLam Hush +16mm airspace +8.5mm VLam Hush	12.5mm VLam Hush

\*The internal noise criteria set is: Office = 45–50dB Living room = 40–45dB Bedroom = 30–40dB

Specific to New Zealand, VLam Hush is manufactured as a CIP Laminate where two sheets of glass are bonded together using a specifically formulated noise reduction resin as the sound reducing interlayer. The CIP laminating process provides a wide range of glass options and is particularly suited for toughened laminated glass. It is manufactured with a clear edge tape to separate the glass before a UV cured resin is used to laminate the glass and produce a Grade A safety glass.

#### Product range

Product	Thickness (mm)			
	6.5	8.5	10.5	12.5
Clear	◆	◆	◆	◆

Other custom laminated options available