



PRODUCT

# VLam™

Laminated float glass – the first step in safety, security & noise control

**There's all kinds of specialist glass products out there, but sometimes you just want the best of everything. That's why we created VLam™ to be the starting point for safety, security, UV protection, noise reduction and – well, anything you want.**

**Viridian VLam™ offers everything you could need in a glass product for your space, as well as a range of custom options.**

VLam™ consists of two or more sheets of glass bonded together by heat and pressure with an interlayer.

The result is a durable, adaptable high performance glazing material that can provide solutions to many architectural applications. The laminating process provides almost limitless options in glass configurations. Combinations of solar control glass, special interlayers, Low E and coated glass, as well as decorative glass provide tailored solutions. Toughened laminated glass is also available for large overhead spans and additional safety in balustrades. Glass options for floors are also available.



**The result is a durable, adaptable high performance glazing material that can provide solutions to many architectural applications.**

**Viridian can offer products that are outside of our standard VLam range, including bespoke custom laminated products. See page 114 for details.**

## Features and benefits

**Safety** – laminated glass can resist penetration from accidental impact. If the glass is broken, fragments adhere to the interlayer and are retained in place. VLam™ provides safety from contact with broken or falling glass, or bodily injury by falling through the glass. In certain applications, toughened laminated glass must be used, such as sloped overhead glass.

**Security** – standard laminated glass provides resistance to penetration from physical attack. By increasing the thickness of the interlayer and its strength, as well as using multiple glass interlayer constructions, products are offered for specialist security applications including bullet resistance (refer to our security glass category).

**Noise control** – VLam™ provides good noise dampening over the same thickness of float glass. By incorporating VLam™ into a ThermoTech™ insulating glass unit, improved noise attenuation can be achieved. For noise reduction, you can use VLam Hush™ and its specially developed interlayer.

**UV protection** – the interlayer used in VLam™ eliminates 99% of ultraviolet radiation. When incorporated with solar control glass, fading can be reduced up to 8.5 times over normal glass.

**Solar control** – VLam™ can be manufactured with toned solar control glass and interlayers providing glare and solar heat gain reductions. Further to this, VLam™ can be customised with virtually any Viridian solar control glass for the ideal balance between daylight solar control and thermal insulation.

**Colour and decoration** – translucent and translucent grey interlayers, along with textured glass options are available for privacy and light diffusion. Colour options are also available with our DecorColour™ range.



## How to Specify

- **Select glass name**  
VLam™
- **Select thickness – process**  
6.38mm to 39.52mm – Laminated  
7.52mm to 39.52mm – Toughened  
Laminate

### Select colour

Refer to range chart



VLam, if broken the glass is bonded to an interlayer.

## Considerations

- Glass selection, glazing and manufacturing must be in accordance with Australian Standards.
- Interlayer colours are based on but are not identical to 6mm **VFloat™** glass tones.
- The glazing system must allow for water drainage or be completely watertight.
- Certain sealants may cause edge delamination such as linseed oil or putty – neutral cure silicone sealants are recommended.
- Viridian does not warrant laminated glass with edges left exposed.

## Product Range

Product	VLam™ Range				
	Thickness (mm)				
	6.38	6.76	8.38	10.38	12.38
Clear	◆		◆	◆	◆
Bronze	◆		◆	◆	◆
Green	◆		◆	◆	◆
Grey	◆		◆	◆	◆
Cool Blue	◆				◆
SuperGreen	◆			◆	◆
Translucent	◆		◆	◆	◆
Translucent SuperClear				◆	◆
Translucent Grey		◆			

Viridian has a range of laminate products which provide different types of end benefits to your project. **VLam™** is the starting point, see below for products which take your performance to the next level.

### Noise

- VLam™ Hush
- ComfortHush™

### Decorative

- DecorColour™
- VLam Translucent™, VLam Translucent™ Grey

### Solar Control

- VLam™ Grey, Bronze, Green, SuperGreen
- ComfortPlus™
- EnviroShield™ Performance

### Security

- DecorMirror™ Oneway
- IntruderGuard™
- AssaultGuard™
- AssaultGuard Ultra™
- JailGuard™

### Special applications

- BulletGuard™
- Bespoke Custom Laminated Products

## Applications

- Balustrades
- Facades
- Facade Cladding
- Furniture
- Partitions
- Shower Screens
- Windows
- Doors
- Overhead Glazing

Viridian VLam™ is a trademark of Viridian Glass