# VLam™

## Laminated float glass

**The VLam™ range offers laminated solutions for safety, security, UV protection and solar control.**

VLam™ is a combination of two or more sheets of glass that are bonded together with an interlayer, the result is a durable high performance glazing material.

Toughened laminated glass is also available for large overhead spans and additional safety in balustrades.

### Features and Benefits

- Custom laminated options included in this range.
- Laminated glass is safer when broken as the glass adheres to the laminate.
- Greater resistance to physical attack.
- VLam™ can incorporate different glass types from across our product range to provide additional benefits such as privacy, security, noise reduction and energy efficiency.
- When toughened, VLam™ is a Grade A safety glass.

## Considerations
### Installation
- Glazing systems must allow for water drainage or be completely watertight to prevent laminated edges and the interlayer from long term moisture exposure.
- Certain sealants may cause edge de-lamination such as linseed oil or putty, neutral cure silicone sealants are recommended.

### Applications
- The standard PVB interlayer is 0.38mm thick, 0.76mm and 1.52mm thicknesses are available for increased resistance from physical attack and impact.

### Design Consideration
- Interlayer colours are based on but are not identical to 6mm VFloat™ glass tones.

## Sectors
- Residential
- Commercial

## Applications
- Windows
- Doors
- Balustrades
- Pool Fencing
- Stairs, Landings and Walkways
- Facades
- Furniture
- Partitions
- Shower Screens
- Overhead Glazing

## How to Specify
- **Select glass processor**
  Viridian Glass
- **Select glass name**
  VLam™
- **Select tone & thickness**
  See chart below.
- **Select processes**
  Laminated, toughened laminated and insulated glazed units.

## Standard Stock Sizes

| Product Name | Thickness | Stock Size |
|---|---|---|
| VLam™ Clear | 6.38mm 8.38mm 10.38mm 12.38mm | 5100mm x 3210mm |
| VLam™ Grey | 6.38mm 8.38mm 10.38mm 12.38mm | 5100mm x 3210mm |
| VLam™ Green | 6.38mm | 4280mm x 2760mm |
| VLam™ Green | 8.38mm 10.38mm 12.38mm | 5100mm x 3210mm |
| VLam™ SuperClear | 10.38mm 12.38mm | 5100mm x 3210mm |
| VLam™ SuperGreen | 6.38mm | 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 |
|---|---|---|---|---|---|
| VLam™ Clear | 6.38 | 87 | 5.70 | 0.79 | 1.10 |
| VLam™ Clear | 10.38 | 86 | 5.60 | 0.74 | 1.16 |
| VLam™ Grey | 6.38 | 42 | 5.70 | 0.62 | 0.68 |
| VLam™ Grey | 10.38 | 41 | 5.60 | 0.59 | 0.69 |
| VLam™ Green | 6.38 | 71 | 5.70 | 0.72 | 0.99 |
| VLam™ Green | 10.38 | 70 | 5.60 | 0.69 | 1.01 |
| VLam™ Bronze | 6.38 | 52 | 5.70 | 0.64 | 0.81 |
| VLam™ Bronze | 10.38 | 51 | 5.70 | 0.61 | 0.84 |
| VLam™ SuperClear | 10.38 | 90 | 5.60 | 0.86 | 1.05 |
| VLam™ SuperClear | 12.38 | 90 | 5.60 | 0.85 | 1.06 |
| VLam™ SuperGreen | 6.38 | 64 | 5.70 | 0.50 | 1.28 |
| VLam™ SuperGreen | 10.38 | 65 | 5.60 | 0.51 | 1.27 |

**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.

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