



PRODUCT

# LightBridge™

**LightBridge™ high performance double glazing – for the ultimate comfort & natural light in your home**

Natural light is the key ingredient for making a comfortable and healthy home. That's why we designed our award-winning LightBridge™ range, so you can bathe in natural light and reconnect with your surroundings.

LightBridge™ double glazing units curb the flow of heat in and out of your home to an unparalleled degree. This allows you to have expansive glazing whilst still achieving an energy efficient home.

LightBridge™ is a range of high performance insulating glass units (IGU) developed specifically for residential building applications. Constructed with Low E glass and inert gas fill as standard, a high insulating factor is assured, whilst maintaining a very high level of visual clarity and visible light transmission levels. Spacer width can vary between 8mm and 20mm to meet the needs of the frame / specification.

LightBridge™ double glazed units are for use in fully framed windows and doors in detached residential and low-rise multi-residential building projects. The product is specifically designed to improve energy efficiency and/or increase the permissible glazed area of the design, thereby increasing access to natural light within the property.

The standard makeup of LightBridge™ is suitable for most common configurations of residential windows and doors capable of taking a double-glazed unit.

The product may also be suitable for fully framed roof, skylight and other elevated or sloped glazing, provided that the selected makeup is compliant with AS1288.

## Considerations

- Selected glass types available in limiting glass thickness of 4mm, 5mm, 6mm or 8mm, which are available in annealed or toughened.
- Square and rectangle shapes only.

- The width of the spacer and the glass type selected will influence the U-Value achieved.
- Grey variants should be considered for windows in hot climates, sun-exposed elevations, and applications subject to high glare.
- Thermal assessment may be required for lower SHGC variants.
- Privacy variants should be considered for bathrooms, bedrooms, windows adjacent to public areas and those subject to being seen into by neighbours or passers-by.
- For added acoustic performance, consider upgrading to LightBridge next™.
- Units must be installed with Viridian product label facing to the exterior.

## Features and Benefits

- Exceptionally low U-Value (high insulation factor) for a residential glazing product.
- Balance of high light transmission with mid-range solar control.
- Fully supported by the Viridian product warranty program.
- All components locally stocked, and units locally manufactured for short lead times and reliable supply.
- Five standard colour / privacy combinations are available: Clear, Light Grey, Grey, DecorSatin™ and DecorSatin™ Grey.

- Available with aluminium spacer as standard, this product can be supplied with a warm edge thermal spacer at additional cost.

## Applications

- Windows
  - Doors
- (Residential application only)

## Size limits

- Minimum size\* 350mm x 250mm
- Maximum size\* 4500mm x 2700mm
- Maximum unit sizes will vary subject to final application, glass type and material thickness.

\*Sizes outside of these limits may be available as a special order, on request.

## How to Specify

- **Select glass name**  
LightBridge™
- **Select limiting colour and translucency**  
Colours: Clear, Light Grey, Grey, DecorSatin™, DecorSatin™ Grey
- **Select thickness – process**  
4mm, 5mm, 6mm or 8mm annealed or toughened
- **Select spacer width - 8mm to 20mm**
- **Select spacer type**  
Aluminium spacer supplied as standard.

## ✓ Performance comparison

LightBridge™	VLT	U-Value	SHGC
Clear	78	1.4	0.55
Light Grey	56	1.4	0.43
Grey	37	1.4	0.32
DecorSatin	78	1.4	0.55
DecorSatin Grey	37	1.4	0.33

\*6+6mm glass thickness

Viridian LightBridge™ is a trademark of Viridian Glass