



PRODUCT

# LightBridge next™

**LightBridge next™ superior performance double glazing – for access to natural light, and ultimate thermal and acoustic comfort in your home.**

The way Australians build is changing. There is growing demand for sustainability and amenity more than ever before. This is why we created the next evolution on our LightBridge™ double glazing product, LightBridge next™.

LightBridge next™ double glazed units control the flow of heat in and out of your home. The thermally efficient spacer technology and addition of an acoustic performance interlayer brings performance to the next level. Allowing you to have larger spans of seamless glazing for optimal natural light, without compromising on thermal or noise comfort.

LightBridge next™ has improved thermal edge performance due to its non-conductive spacer that outperforms traditional materials. This spacer minimises energy loss and there is also a greater reduction in the potential for condensation to form at the edge. When it comes to building sustainable windows, LightBridge next™ offers enhanced thermal performance whilst being aesthetically pleasing and offering the same width options between 8 and 24mm.

LightBridge next™ contains a specially formulated glass to dampen noise, providing enhanced sound insulation performance. LightBridge next™ offers improved acoustic performance by reducing outside sound by 29% in comparison to ordinary 4mm LightBridge™.

LightBridge next™ has been tested to Grade A safety glass standards and offers high UV protection, reducing the rate of fading for furnishes and finishes.

## Considerations

- The limiting glass thickness is 4mm, 5mm, 6mm or 8mm.
- Available in simple shapes. Complex shapes on application.
- The width of the spacer and the glass type selected will influence the U-Value achieved.
- Grey and Light Grey variants should be considered for windows in hot climates, sun-exposed elevations, and applications subject to high glare. Thermal assessment recommended.
- Thermal assessment may be required for lower SHGC variants.

## Features and Benefits

- Non-conductive spacer which outperforms traditional materials, minimising energy loss and finished in matte black for a seamless look.
  - The non-conductive spacer leads to greater reduction in condensation forming at the edge.
  - Contains a specially formulated glass to dampen noise, providing enhanced sound insulation performance.
  - High UV protection, reducing the rate of fading for furnishing and finishes.
  - Exceptionally low U-Value (high insulation factor) for a residential glazing product.
  - Balance of high light transmission with superior solar control.
  - Tested to Grade A safety standards.
  - Resists penetration from accidental or deliberate impact if glass is broken.\*
  - Fully supported by the Viridian product warranty program.
  - All components locally stocked, and units locally manufactured for short lead times and reliable supply.
  - Standard tones available are Clear, Light Grey and Grey
  - Privacy options available on application/request.
- \* Outside glass only

## Applications

- Residential windows and doors

## 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 next™
- **Select limiting colour**  
Clear, Light Grey or Grey
- **Select thickness** - process 4mm, 5mm, 6mm or 8mm toughened. Annealed only offered in 4mm options.
- **Select spacer width** - 8mm to 24mm.

## Performance data

Glass Type	Unit Thickness mm	VLT	U-Value	SHGC	RW
<b>LightBridge Next™ Clear</b>					
4mm	22.5	79	1.4	0.54	36
5mm	23.5	79	1.4	0.54	37
6mm	24.5	78	1.4	0.54	38
8mm	28.5	78	1.4	0.54	41
<b>LightBridge Next™ Light Grey</b>					
4mm	22.5	53	1.4	0.41	36
5mm	23.5	53	1.4	0.41	37
6mm	24.5	52	1.4	0.41	38
8mm	28.5	52	1.4	0.41	41
<b>LightBridge Next™ Grey</b>					
4mm	22.5	38	1.4	0.35	36
5mm	23.5	38	1.4	0.35	37
6mm	24.5	38	1.4	0.35	38
8mm	28.5	37	1.4	0.36	41