



ENERGY

LightBridge next™

Superior performance double glazing

The next evolution of LightBridge™ with superior acoustic performance and thermally efficient spacer technology, LightBridge next™ is the ultimate choice for home comfort.

LightBridge next™ double glazed units control the flow of heat in and out of your home, allowing you to have larger spans of seamless glazing for optimal natural light, without compromising on thermal or noise comfort.

By incorporating a specially formulated laminate to dampen noise, Lightbridge next™ offers improved acoustic performance that reduces 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.

Features and Benefits

- Warm edge spacer supplied as standard, providing improved thermal edge performance.
- Contains a specially formulated acoustic component to dampen noise.
- High UV protection, reducing the rate of fading for furnishing and finishes.
- Exceptionally low U Value (high insulation factor) for a residential glazing product.
- High light transmission and high clarity without haze associated with older low E coating technologies.
- When toughened, LightBridge next™ is Grade A safety glass.



Considerations

Installation

- Ensure coating surface is identified and oriented for optimal performance.
- Toned options are recommended for windows in hot climates, sun-exposed elevations and/or subject to high glare.
- Thermal assessment may be required for lower SHGC variants.

Processing

- Available in simple shapes, complex shapes on application.



Sectors

- Residential
 - Low rise multi-residential buildings
 - Single dwellings

Applications

- Windows
- Doors
- Facades

How to Specify

- **Select glass processor**
Viridian Glass
- **Select glass name**
LightBridge next™
- **Select tone & thickness**
Custom sizes available, consult Viridian.
- **Select processes**
Insulated glazed unit.
- **Select spacer**
- Warm Edge

Performance Data

Product Name	Outside Glass	Inside Glass	Nominal Thickness (mm)	VLT (%)	U Value	SHGC	Selectivity
LightBridge next™ Clear	VLam™ Hush Clear	LightBridge™	6.5+12+4	79	1.40	0.54	1.46
LightBridge next™ Clear	VLam™ Hush Clear	LightBridge™	6.5+12+5	79	1.40	0.54	1.46
LightBridge next™ Clear	VLam™ Hush Clear	LightBridge™	6.5+12+6	78	1.40	0.54	1.44
LightBridge next™ Clear	VLam™ Hush Clear	LightBridge™	8.5+12+8	78	1.40	0.54	1.44
LightBridge next™ Light Grey	VLam™ Hush Light Grey	LightBridge™	6.88+12+4	53	1.40	0.41	1.29
LightBridge next™ Light Grey	VLam™ Hush Light Grey	LightBridge™	6.88+12+5	53	1.40	0.41	1.29
LightBridge next™ Light Grey	VLam™ Hush Light Grey	LightBridge™	6.88+12+6	52	1.40	0.41	1.27
LightBridge next™ Light Grey	VLam™ Hush Light Grey	LightBridge™	8.88+12+8	52	1.40	0.41	1.27
LightBridge next™ Grey	VLam Hush™ Grey	LightBridge™	6.88+12+4	38	1.40	0.35	1.09
LightBridge next™ Grey	VLam Hush™ Grey	LightBridge™	6.88+12+5	38	1.40	0.35	1.09
LightBridge next™ Grey	VLam Hush™ Grey	LightBridge™	6.88+12+6	38	1.40	0.35	1.09
LightBridge next™ Grey	VLam Hush™ Grey	LightBridge™	8.88+12+8	37	1.40	0.35	1.03

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.

LightBridge next™ is a trademark of Viridian Glass Pty Ltd.