

LightBridge™

High performance residential
double glazing for superb comfort
and natural light in your home



LightBridge™ – warm when it's cold, cool when it's hot

No matter where you build or what type of climate you choose to live in, having real choices to proactively improve the comfort of your home is empowering.

Natural daylight not only gives us pleasure, but is essential to our wellbeing. Viridian's award winning LightBridge™ double glazed units allow natural light to flood into the home, and balance superior insulation and high energy efficiency, helping you realise the very best level of home comfort possible.

What is LightBridge™?

A seamless bridge between the inside and out, LightBridge™ is a revolution in window technology. While ordinary glass has high levels of heat gain and heat loss, LightBridge™ double glazed units have an enclosed Low-E coating which actively insulates your home up to 77% better than ordinary glass*.

LightBridge™ is also available in a range of levels of enhanced security, noise reduction and UV protection – putting the power back in your hands to make your home your sanctuary.



The images shown are a representation only of the product. Colour and effect may differ. Always refer to a sample to determine if product is appropriate for your requirements.
*Compared to 4mm clear float glass.

LightBridge™ Base

LightBridge™ Base gives you abundant natural light whilst maintaining a thermal advantage over other residential double glazed products with its Low-E coating sealed inside the unit. Enjoy privacy within your home by incorporating either of our LuminaCloud™ variations – our acid etched glass.

LightBridge™ Base Benefits

- ☀️ Ultimate Insulation
- ☀️ Abundant Natural Light
- 🏞️ Vaster Views

LightBridge™ Base is available in:

- Clear
- Neutral
- Grey
- LuminaCloud™
- LuminaCloud™ Grey

LightBridge™ S1

LightBridge™ S1 provides all the properties of LightBridge™ Base but introduces moderate acoustic and UV protection thanks to the laminate interlayer inside the glass. Enjoy privacy within your home by incorporating either of our LuminaMist™ variations – our laminated translucent glass.

LightBridge™ S1 Benefits

- ☀️ Ultimate Insulation
- ☀️ Abundant Natural Light
- 🏞️ Vaster Views
- 🔊 Modest Acoustics
- 🛡️ Protects Furniture from UV Damage
- ⚠️ Grade A Safety Glass

LightBridge™ S1 is available in:

- Clear
- Neutral
- Grey
- LuminaMist™
- LuminaMist™ Grey

LightBridge™ S2

Along with all the properties of LightBridge™ S1, LightBridge™ S2 provides optimum performance and superb thermal properties. Its unique laminated interlayer gives control over acoustics and UV protection.

LightBridge™ S2 Benefits

- ☀️ Ultimate Insulation
- ☀️ Abundant Natural Light
- 🏞️ Vaster Views
- 🔊 Enhanced Acoustics
- 🛡️ Protects Furniture from UV Damage
- ⚠️ Grade A Safety Glass

LightBridge™ S2 is available in:

- Clear
- Neutral
- Grey



Clear



Neutral



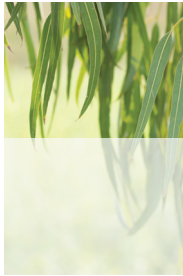
Grey



LuminaCloud™



LuminaCloud™ Grey



LuminaMist™



LuminaMist™ Grey



Benefits Indicator is based on clear tone for all options. Please refer to the performance data chart at the back of this brochure for a more detailed breakdown of each tone selection.

As seen on The Block.

LightBridge™ has been transforming buildings on the television series *The Block* since 2015.

Whilst successfully maximising natural light, and increasing comfort for future occupants, LightBridge™ also helped contestants remain faithful to their design vision.



What's the best solution for me?

The best LightBridge™ solution for your home will depend on the climate you live in, the orientation of your house, and the benefits you would like to take advantage of.

To find a local fabricator most suited to your project, contact our National Call Centre on 1800 810 403.



For more
information.

For additional product details
or to find a local fabricator
most suited to your project,
please visit our website
www.viridianglass.com
or call 1800 810 403

Features.

APPLICATIONS

Internal

- Doors
- Windows

OPTIONS & PERFORMANCE

TONE	VLT	U-VALUE	SHGC	RW
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LightBridge™ S2

Clear	79	1.4	0.54	36
Neutral	53	1.4	0.41	36
Grey	38	1.4	0.35	36

LightBridge™ S1

Clear	79	1.4	0.55	33
Neutral	53	1.4	0.42	33
Grey	38	1.4	0.35	33
LuminaMist™	61	1.4	0.46	33
LuminaMist™				
Grey	29	1.4	0.30	33

LightBridge™ Base

Clear	80	1.4	0.60	-
Neutral	61	1.4	0.46	-
Grey	50	1.4	0.41	-
LuminaCloud™	80	1.4	0.60	-
LuminaCloud™				
Grey	50	1.4	0.41	-

VLT – Visible Light Transmission

Percentage of visible light passing directly through the glass. The higher the percentage, the more daylight you will receive.

U-Value – Heat Transmission

A measure of air to air heat transmission. Compares indoor to outdoor temperatures with the conductance. The lower the number, the better it is at insulating your home.

SHGC – Solar Heat Gain Coefficient

SHGC is the measured ratio of how much solar energy passes through the window when compared to an open space.

RW – Weighted Sound Reduction Index

RW is the weighted sound reduction in decibels. The higher the number the better sound reduction you will have.

Important Note

The values shown are based on the glass unit only. Performance data is based on 4mm Low-E glass with argon filled air gap and 12mm spacer and is applicable to Low-E on surface #3. Performance can vary dependant on glass size, thickness and tone. Please consult with Viridian for advice specific to your application or project.

LightBridge™ is a Grade A Safety Glass when it is toughened or laminated to the relevant standards (AS/NZS2208)

MINIMUM & MAXIMUM SIZE

350mm x 250mm

3500mm x 2000mm

Please contact us if your requirements fall outside of these sizes

WARRANTY

For warranty information please visit our website www.viridianglass.com