

LAMINATED GLASS

The inside guide
to superior
laminated glass

an extraordinary
bond, with
extraordinary
results



NATIONAL GLASS
Diamond Quality Glass & Service

laminated glass. extra strength and endless creative possibilities

| A bond that cannot be broken. |

Based on technology developed by Bridgestone, our Evasafe™ system bonds two or more layers of glass together permanently, to give you a safe and incredibly secure finish wherever you plan to use it.

But it's not just its strength that makes an impression. The thing that sets this glass apart is your ability to add a little creativity to the mix. Between the panes you can add images, fabrics, lighting – whatever brilliant idea comes to mind – to make a big impact in your home or business.

So take a closer look at where our National Glass laminated products can take you...

It's how we bond that makes the difference

Staying connected is vital in any business, but in ours it's the most important thing. That's why we've taken on world-leading Evasafe™ technology to bring you a permanently laminated glass that will take whatever is thrown at it... hurricanes, burglars, bullets, blasts, for the ultimate safety and security in your home or office.

What makes Evasafe™ different

Developed by industrial products giant Bridgestone, Evasafe™ is an EVA-based (Ethylene Vinyl Acetate) thermoset adhesive film with a unique 3D cross-linking capability which bonds panes of glass permanently.

This Evasafe™ interlayer creates a backbone for the glass to withstand some of the toughest conditions, for ultimate security and protection. Yet this same bond makes it one of the most creative and adaptable glass products available.

During the bonding process a whole range of artistic treatments can be added – fabrics,

polycarbonates, stone and wood veneers, steel, LED lights, and more... just ask us about the possibilities.

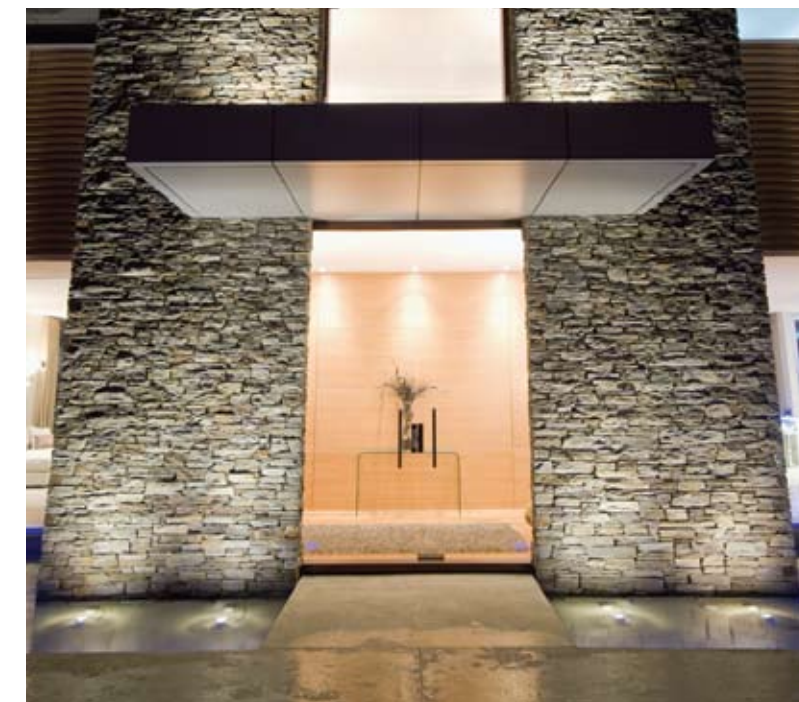
How safe?

Evasafe™ meets the New Zealand Grade A Safety Standards in accordance with NZS 4223: Part 3 and AS/NZS 2208 – Safety Glazing materials in Buildings.

In fact, Evasafe's™ unique 3D cross-linking bond sets brand new standards for safety.

The advantages

- Complete transparency
- Safe and secure, yet incredibly flexible for creativity in design
- Excellent durability against heat, moisture & UV
- Great sound insulation
- Totally water repellant
- Ideal for increasing privacy and creating light diffusion eg. for balustrades, canopies, roofrites or partitions





when
two bond,
anything
is possible

An inseparable bond resulting in extraordinary strength.

Evasafe™ really is the strong, silent type. It excels in safety and also offers great sound insulation compared to standard PVB (Poly Vinyl Butyl) laminates.

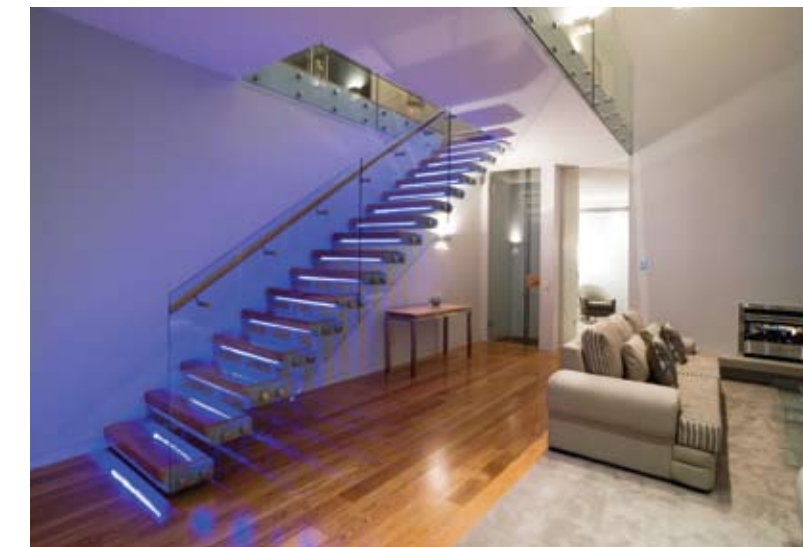
In terms of strength, the unique Evasafe™ bond sets the standard – it can resist a number of unwanted visitors, anything from burglars and bullets, to hurricanes and blast applications... It's your own personal bodyguard that never sleeps.

How strong?

While the interlayer can resist a significant level of force, your glass could still break in a physical attack. However, the strong interlayer ensures that any attack is slow and noisy, so you'll definitely know about it! The attacked glass will also remain in place as the Evasafe™ interlayer links broken fragments together, keeping the glass intact, weatherproof and resistant to further penetration.



At National Glass we test glass strength to meet Grade A Safety Glass NZ standards.





two worlds come together with surprising results

get creative

The creative possibilities are endless

So bring your space to life with architectural Evasafe™ glass.

Despite its tough exterior, Evasafe™ is an incredibly flexible medium giving you so much more than standard laminated glass. And safe doesn't have to mean boring – with its unique design abilities, Evasafe™ glass can really add value and vibrancy to any space. Whether you're designing a cutting-edge office space or restyling an area of your home, there are so many ways for you to create a big impression with glass.

Let your ideas flow

With Evasafe™ you can get as creative or experimental as you want... Here are some media ideas you can add to the mix:

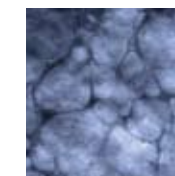
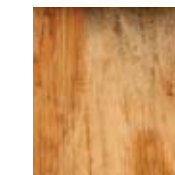
- Polyesters – printed, coloured, solar control or metallic
- Polycarbonates
- Acrylics
- Silks
- Fabrics
- Photos
- Stone and wood veneers
- Natural materials eg. leaves, grass etc
- Perforated steel and metal
- Plastics
- Electroluminescent inserts
- Liquid crystal inserts (LEDs)

Make a strong impression with Evasafe applications

- Balustrades
- Pool Fences
- Office partitions
- Dividing walls
- Glass floors
- Wall features
- Tables
- Shower panels
- Splash backs
- Bench tops
- Corporate branding
- Displays

Explore your creativity

Any image can be laminated to create the look you want.



Some examples of EVA decorative infills

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