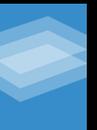




FEEL SAFE AND SECURE WITH LAMINATED GLASS



JELD WEN
GLASS AUSTRALIA



Laminated Glass comes with built-in features of safety and security

Laminated Glass is a form of safety glass configured with an interlayer inserted between two or more panes of glass. It is then bonded by heat and pressure to create a durable, high performance glazing material tailored to meet specific engineering requirements – especially when tempered safety glass is not sufficient in meeting safety standards.

The safety feature of Laminated Glass is created by the bond and strength of the interlayer which holds the glass pane together. If the pane is broken, the likelihood of an object passing through the glass is dramatically minimized.

The interlayer is made from polyvinyl butyral (PVB) and does not impact the transparency of the glass. Today, there are many types and colours of interlayers available which has broadened usage from the more traditional applications of internal partitions, pool and balcony fencing, to now incorporate custom glass canopies, swimming pool walls and internal feature panels.

FEATURES & BENEFITS

Customised Laminated Glass is 'high performance' glass.

+ **Security**

There are different levels of requirements for security purposes. Whilst standard Laminated Glass can resist physical attack, customised applications require increased resistance and different laminated make-ups, all of which can be customised by JELD-WEN Glass Australia.

+ **Safety**

If Laminated Glass is broken, the glass fragments adhere to the interlayer and are kept in place. This is particularly relevant to vertical or overhead applications where broken glass can cause serious injury.

+ **Noise Reduction**

The effect of the interlayer as the bond between the glass panels has proven to be effective in insulating and thus reducing the effect of external noises.

+ **UV Protection**

The interlayer has built-in UV filters to effectively reduce ultraviolet radiation by 99%. Various glass types can be included to maximise fade resistance.

The Process

The JELD-WEN Glass Australia manufacturing facility is a global state-of-the-art plant incorporating the very latest in glass technology.

The Laminated Glass process is fully automated to ensure minimal risk of any inclusions on the interlayer. And, to maximise adhesion of the glass panels, a double pressing process is incorporated into the manufacturing chain.

JELD-WEN Glass Australia prides itself on short lead time manufacturing that caters to small or large quantity orders, tailored to individual requirements.

Additionally, almost all glass types, including clear, tinted, coated, toughened, painted and printed glass can be laminated, dependant on the application.



Canopy at NY Presbyterian Medical Center, USA
Printed by Alice@,
GGI in Secaucus, NJ



CUSTOMISED APPLICATIONS

The perfect glass solution when safety and security is top priority.

Laminated Glass is suitable where safety and security is paramount. Due to the breakage type, Laminated Glass can be customised for windows, doors and overhead canopy structures.

JELD-WEN Glass Australia has the capability to custom laminate any glass type for specialist security applications such as military vehicles, banks, embassies and jails where diverse threat levels need to be accommodated.

Customised make ups can also be designed to meet acoustic requirements and minimise sound transmission.

Solar performance and enhance energy efficiency can also be maximised with tailored glass options.

And now, with the recent introduction of painted and printed glass, JELD-WEN Glass Australia can also offer Laminated Glass for decorative applications such as glass floors.

Manufacturing Size Options

- + **Maximum Size** 4500 x 2400mm
- + **Interlayer Colours** Clear, Translucent
- + **Interlayer Thickness** 0.38mm, 0.76mm, 1.52mm
- + **Interlayer Materials** PVB, EVA, SG
- + **Other interlayer options available on request**

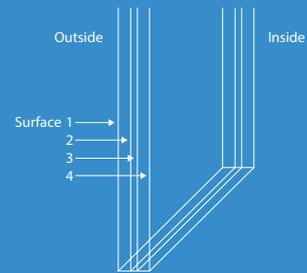


ORDERING – IT'S ALL IN THE DETAIL

When specifying and ordering Laminated Glass, please confirm the following:

- + Outer glass: thickness / type / coating position / pattern
- + Interlayer: thickness / colour
- + Inner glass: thickness / type / coating position / pattern

Surface positions



The Technical Mandatories

Glazing compounds and sealants may react with the Laminated Glass.

- + For all installations JELD-WEN Glass Australia recommends a non-acidic silicone with a neutral base be used
- + Storage Instructions: Glass should be stored in an upright position, under the following conditions:
 - In a dry, well-ventilated warehouse
 - Under no circumstances stored outside
 - Glass should be separated with cork pads/paper interleaving for transport
- + The glazing system should allow for water drainage or be watertight
- + Laminated edges should not be left exposed

Laminated Glass is suitable where safety and security is paramount.



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www.jeld-wenglass.com.au

For all technical specifications, product disclaimers and warranty information applicable to this flyer and other JELD-WEN Glass products please visit jeld-wenglass.com.au

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