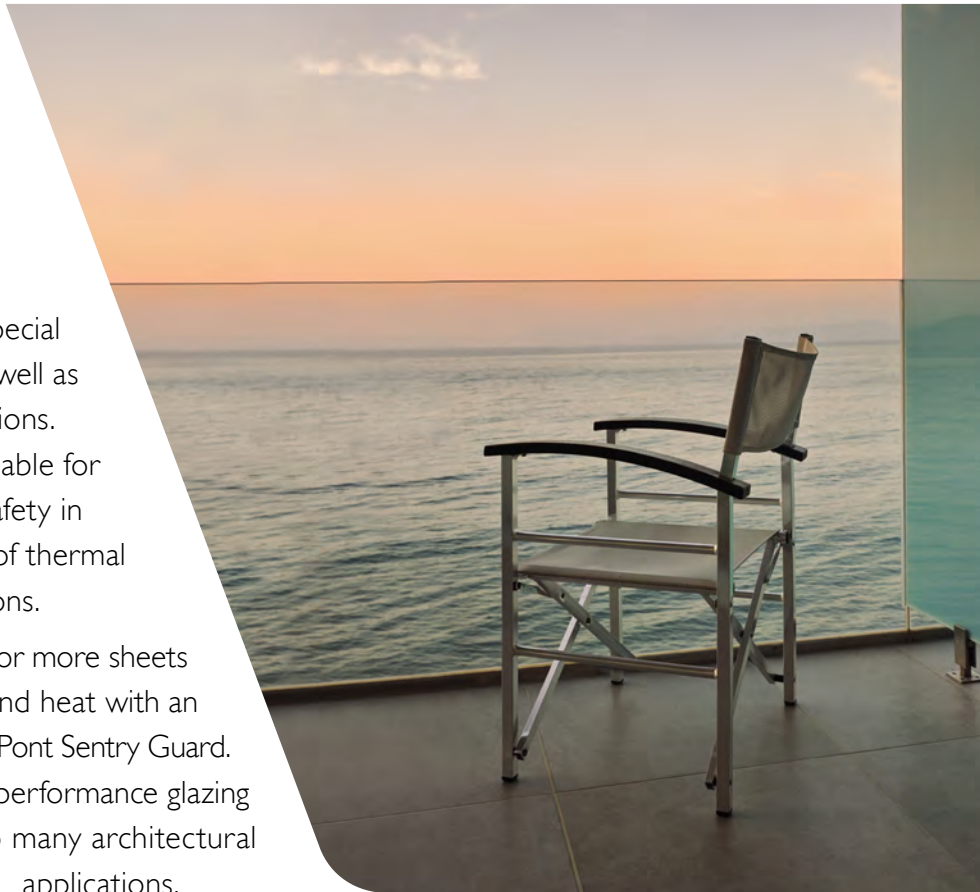


Walshs Laminate Glass product range provides almost limitless options in glass configurations.

Combinations of solar control glass, special interlayers, Low E and coated glass, as well as decorative glass provide tailored solutions. Toughened laminated glass is also available for large overhead spans and additional safety in balustrades and where there is a risk of thermal break of annealed laminate specifications.

Walshs Laminate Glass consists of two or more sheets of glass bonded together by vacuum and heat with an interlayer of either PVB, EVA, XIR or DuPont Sentry Guard. The result is a durable, adaptable high performance glazing material that can provide solutions to many architectural applications.



Products and Applications



VIEWGUARD GLASS

Incorporating DuPont SGP Interlayer. Up to 100 times stiffer and 5 times stronger than traditional interlayers.

Benefits include:

- Unobstructive views without the need for handrails
- Frameless
- Won't collapse even when shattered
- Compatible with all standard balustrade fixtures
- Outstanding permanent clarity

Engineering required to determine overall glass thickness (P.O.A.)



INVAIDERSHIELD GLASS

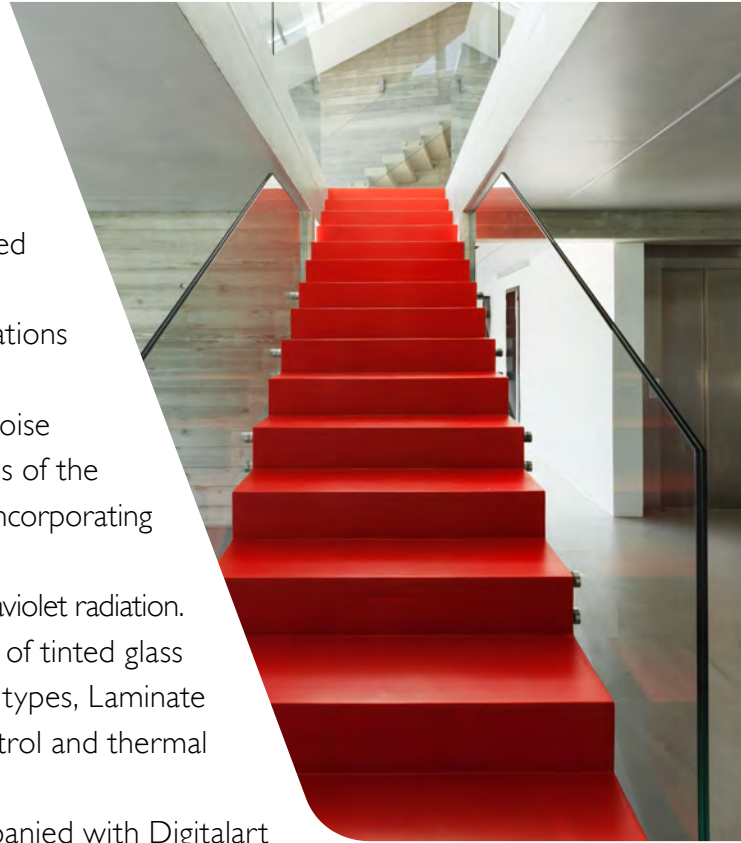
A multi laminated glass developed to provide effective resistance to forced entry and physical attack.

Typical applications include:

- Prisons
 - Government Buildings
 - Shop Fronts
 - Homes
- and other facilities where **INCREASED** security is required.

Benefits - end user / client

- Safety - Laminate is designed to remain intact or break safely when impacted in such a way as to reduce injury with glass fragments adhering strongly to the interlayer.
- Security - Standard Laminate Glass provides effective resistance to forced entry and physical attack. Increased interlayer thickness and multiple glass and interlayer constructions are offered for specialist security applications including bullet and bomb resistance.
- Noise Control - Laminate Glass reduces the level of noise with considerable greater efficiency than ordinary glass of the same thickness. This can be enhanced even further by incorporating an acoustic interlayer.
- UV Elimination - The PVB interlayer eliminates 99% of ultraviolet radiation.
- Solar Control & Thermal Insulation - Through the use of tinted glass or coloured interlayers and coated performance glass types, Laminate Glass configurations can offer a high level of solar control and thermal insulation to conform to specification requirements.
- Colour & Decoration - Laminate Glass can be accompanied with Digitalart Glass and translucent white interlayers to add colour, design and interest to applications.



The standard PVB interlayer thickness is 0.38mm. Also available are 0.76mm and 1.52mm for increased resistance to penetration and security applications. Toughened laminates require a 1.52mm interlayer to ensure the adhesion of the glass panels is structurally sound. Laminated glass edges left exposed are not recommended when using PVB Interlayer.

Considerations

- Glass selection and installation must be in accordance with A51288-2006 Glass in Buildings Standards.
- Certain applications such as Roof Glazing, Frameless Balustrading require engineering.
- The glazing system must allow for water drainage or be completely watertight.
- Certain sealants may cause edge de-lamination such as linseed oil putty - neutral cure silicone sealants are recommended.
- Please refer to our website for Walshs Glass Product Acceptance Criteria.
- Warranty

