



— Saflex® Structural (DG)  
2.4 m x 7.3 m

— Saflex® Clear (RB41)  
2.4 m x 6.0 m



## The world's largest laminated strengthened glass pane, featuring Saflex® Structural PVB interlayer

The laminate pane is 18 m long and 3.2 m high and weighs over 3500 kg. The laminate is comprised of two 12-mm high quality, heat-strengthened, low-iron glass panes laminated with 1.52 Saflex Structural PVB interlayer.

Providing superior structural capacity versus conventional PVB, Saflex Structural PVB interlayer is designed for applications where interlayer rigidity and high glass adhesion requirements for laminated glass are critical. Due to the strength and stiffness of the Saflex Structural PVB interlayer,

laminated glass can either sustain a higher uniform load for a given configuration or the glass thickness can be reduced compared to conventional laminated glass while keeping the same load and area. The use of Saflex Structural PVB properties is allowed for glass design in Germany.

As an example, when the glass laminate exhibited is used as a free-standing construction element in an urban environment, the maximum height of the panel using conventional PVB would be limited to 2.3 m, a height reduction of almost 40%.

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More common cases where the rigidity of Saflex Structural PVB can be advantageously applied to overcome deflection or stress limitations include two-side supported panes or isolated glass units (see visual), two- or single-side (linearly or fixed-point) supported balustrades, or other systems that have limited support.

Saflex Structural interlayer can be used with virtually all glass types. The interlayer works well with annealed and heat-strengthened glass to provide reduced optical distortion but can also be used with fully tempered glass to further contribute to structural capacity.

Saflex Structural interlayer is formulated to provide strong resistance to delamination in open-edge exposed applications and is compatible with most visibly reflective, low-emissivity, and ceramic frit coatings. Saflex Structural also has good sealant compatibility performance.

Saflex Structural interlayer is also compatible with the Vanceva® Colors and Earth Tones interlayer systems, so architects and designers can create safe spaces without sacrificing style or comfort.

[www.saflex.com/structural](http://www.saflex.com/structural)

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