

Technical/Specifications

Are there any restrictions on size of the glass panels?

3.22 meters is the maximum width available for Vanceva colour interlayers.

Can Vanceva® colour interlayers be used in curved glass?

Yes, it is possible.

How stable is the colour?

Vanceva colourants are made up of highly resilient pigments, rather than the dyes commonly found in most ink-based colourant systems, and are designed to provide years of colour durability. We have 20 years of experience in natural exposure.

Extensive testing has been done on the hue stability of all Vanceva® brand poly(vinyl) butyral pigmented products. These products, including the Vanceva® Colour group, have been subjected to extensive natural and accelerated exposure testing. This testing concludes that there is no significantly adverse color shift (yellowing or otherwise) in these products when laminated and installed in accordance with Solutia's generally recognized methods as outlined in the Saflex® Lamination Guide.

For optimal colour durability, we recommend not to expose the following Vanceva® products to direct sunlight: yellow layers Sahara Sun and Golden Light (colour codes 4 and 8) as well as Tangerine (colour code E). For direct exposure applications, we recommend to cover those layers by one or more layers of clear or other coloured PVB interlayer.

If you have a question on the colour stability over time for a specific case, please contact us by sending an email to the following address: films-arch@solutia.com

The colours are layered between two pieces of glass. As the colour is in the interlayer and protected by the two layers of glass, cleaning and maintenance is easy and has no detrimental effect on the appearance.

UV Protection & Transmission

All architecturally targeted Vanceva interlayers will screen out all UV-C and all UV-B transmission. These interlayer products will also screen out UV-A radiation up to 380nm.

Can the edges of the glass be exposed?

Testing conducted in both natural (Florida) and accelerated (QUV and Xenon weatherometers) exposures have confirmed that by all measurement systems, when properly laminated and installed, glass laminates produced with Vanceva Design Interlayer will provide acceptable quality when the edges of the laminate are exposed to normal weathering.

In summary, when properly laminated, maintained, and installed under natural exposure conditions, the edge stability performance of Vanceva Design products is expected to provide acceptable quality laminates for exposed edge product applications.

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In summary, when properly laminated, maintained, and installed under natural exposure conditions, the edge stability performance of Vanceva Design products is expected to provide acceptable quality laminates for exposed edge product applications.

Can the Vanceva® colour system be used for external applications (without frame/sealant)? Yes. Examples for exterior Applications are: Doors, windows, curtain walls, wall coverings, overhead glazing.

Saflex recommends to assess the risk of thermal breakage for EACH project where laminated glazing featuring Vanceva® **colours** will be used for exterior applications (facades, roof, sunscreen, balconies...). If the simulation shows that indeed there is a risk, heat strengthened or fully tempered glass should be used in place of annealed glass. This simulation should be carried out by your glass supplier.

Which sealants are compatible with the Vanceva® interlayers?

Saflex cannot and does not recommend specific sealants.

Saflex has extensive experience with sealants using Saflex. The thoroughness of the application of sealants is just as important as the chemical interactions between the sealants and the PVB. The least reactive sealant poorly installed will perform worse than the most reactive sealant properly installed. Other effects such as weathering, paint ability, and application ease enter into the decision on which sealant to use. Often the installation will hide any cosmetic defects that may appear at the edge of the glass.

Is there a risk of thermal breakage?

Saflex **advises to use tempered laminated glass** to avoid thermal breakage: Thermal breakage may occur everywhere from hot countries (e.g. Spain) to cold countries (e.g.Scandinavia).

Consequently we, Saflex, recommend to assess the risk of thermal breakage for EACH project where Vanceva will be used for exterior applications (facades, roof, sunscreen, balconies...). If the simulation shows that indeed there is a risk, heat strengthened or fully tempered glass should be used in place of annealed glass. Of course for indoor applications (partition walls, balustrades,...) the risk of thermal breakage is slight (no direct sun radiation on the laminated glass)

What is the reaction to fire/Is standard Laminated Architectural Glazing (LAG) considered as non-combustible material?

As all Standard LAG, LAG made with Vanceva is rated "B": slightly combustible.

Is it also possible to have different colours SIDE BY SIDE or CUT INTO DIFFERENT SHAPES within 1 laminated glass unit?

Saflex does not advise to laminate 2 pieces of PVB next to each other within 1 laminate glass.

Does laminated glass have to be cleaned in any special way?

Laminated glass requires the same maintenance as standard laminated glass. No special cleaning tools or solutions are needed for traditional laminated glass. It is resistant to scratch and has easy maintenance/good durability.