



SAFLEX[®] Poly(vinyl) Butyral Interlayer Exposed Edge Laminates

Saflex[®] poly(vinyl) butyral interlayer's IIIG products (grades RA, RB and RC), have been specifically designed to provide superior edge stability when exposed to natural aging. This improvement, as compared to Saflex[®] grades TG, TL, and SR, is the result of a change in the overall formulation of the product. 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 Saflex[®] grades RA, RB, and RC will provide acceptable quality when the edges of the laminate are exposed to normal weathering.

The deterioration of the quality of the edges of laminates is the result the interaction of many variables on the PVB and the laminate, and although improved edge stability has been demonstrated with Saflex[®] IIIG products tested under standard exposure conditions, not all environmental and lamination variables have been examined. For example, it is known that all PVB products, even these IIIG formulations, are highly hygroscopic, and direct exposure to water or to very high concentrations of moisture will result in moisture absorption and potential clouding of the PVB material. This moisture absorption is reversible, and the opaque clouding of the sheet will reverse when the edges lose moisture. Quality deviations can also occur from exposure to sealants, environmental pollution, or other chemical or physical agents (e.g. cleaning compounds).

In summary, when properly laminated, maintained, and installed under natural exposure conditions, the edge stability performance of Saflex[®] IIIG products (grades RA, RB, RC) is expected to provide acceptable quality laminates for exposed edge product applications.