# Saflex® Acoustic PVB interlayer

*Expanded acoustic portfolio cuts perceived noise by up to 50%.*

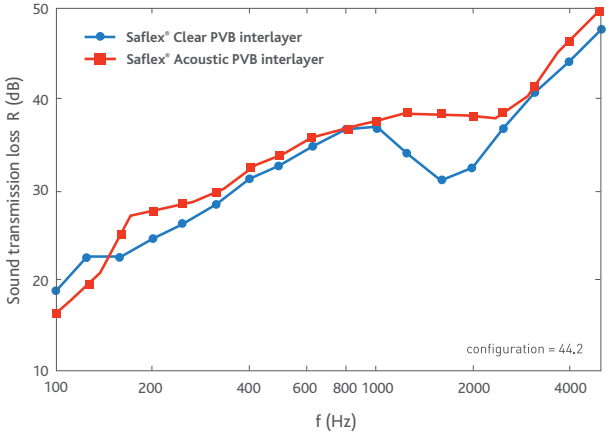
Eastman introduces an expanded Saflex® Acoustic portfolio for architectural glazing applications. Each interlayer is a multilayer product designed with improved handling and processability in mind. The product allows laminators to produce glass laminates with enhanced acoustical properties compared to laminates made with standard polyvinyl butyral (PVB).

As a coextruded product, Saflex Acoustic has all the advanced acoustic benefits of an acoustic PVB, with similar process parameters than standard Saflex Clear products. Reduced handling time combined with improved lamination yield will help glass laminators stay more competitive in the fast-growing acoustic LAG market.

Other benefits the products provide include:

- Compatibility with clear and translucent white Saflex PVB
- Same shelf life as Saflex Clear products

## Sound transmission loss[a]




*[a]Sound Transmission Loss of Laminated Glass with Saflex® Acoustic interlayer and Saflex® Clear interlayer. Configuration = 44.2*

*The ability to reduce noise as perceived by the human ear can be measured. This measurement involves sending specific frequencies of sound through a material, in this case, laminated glass with Saflex® Acoustic interlayer, and remeasuring what comes "through" the glass to determine what gets "filtered" out. The transmission loss is recorded and can be illustrated in graphical form as shown above in the figure.*

Note:
All documents presented in this section are based on samples prepared in Eastman laboratories. Testing certifications from third party laboratories had a limited number of samples evaluated and are valid for materials tested and not guaranteed for all samples. Samples evaluated at Eastman are tested in accordance with noted standards and procedures. Laboratories are responsible for securing their own performance certificates based on the lamination process.

## Acoustic data[a]

| | STC | Rw | C | Ctr |
|---|---|---|---|---|
| **Laminated glass with Saflex® Acoustic** | | | | |
| 3,3.Q | 36 | 36 | -1 | -3 |
| 4,4.Q | 37 | 37 | -1 | -3 |
| 5,5.Q | 38 | 38 | -1 | -3 |
| 6,6.Q | 39 | 39 | -1 | -2 |
| 8,8.Q | 41 | 41 | -1 | -3 |
| 10,10.Q | 43 | 43 | -1 | -3 |
| 12,12.Q | 44 | 44 | -1 | -3 |
| **Laminated glass with Saflex® Acoustic in insulating units** | | | | |
| 3[12]3,3.Q | 38 | 38 | -1 | -5 |
| 3[12]4,4.Q | 38 | 38 | -1 | -5 |
| 6[12]3,3.Q | 41 | 41 | -2 | -5 |
| 6[12]4,4.Q | 41 | 41 | -1 | -5 |
| 6[12]5,5.Q | 42 | 42 | -2 | -5 |
| 8[12]3,3.Q | 42 | 42 | -1 | -4 |
| 8[12]4,4.Q | 44 | 44 | -1 | -4 |
| **Double laminated glass with Saflex® Acoustic in insulating units** | | | | |
| 3,3.Q[12]3,3.Q | 43 | 43 | -2 | -6 |
| 6,6.Q[12]8,8.Q | 49 | 49 | -1 | -5 |
| 6,6.Q[20]4,4.Q | 50 | 49 | -3 | -8 |
| 8,6.Q[20Ar90]5,5.Q | 51 | 51 | -2 | -7 |

*[a]Data valid for unit as tested, +/- 1 unit for all thicknesses of Saflex Acoustic interlayer. Single unit laminated glass values are averages of multiple tests on the same configuration. Data tested in accordance with ASTM E90 or ISO 10140 and calculated with ASTM E413, E1332, and ISO 717-7. All samples are glass only tests at ambient temperature. Acoustic data for laminated triple glazing available on request.*

## Saflex® Acoustic product portfolio

| Product | Thickness | Standard widths (cm)[a] | Standard lengths (m) | Color |
|---|---|---|---|---|
| **Saflex® QS31** | 0.63 mm (0.025 in.) | 100 ~ 280 | 300 | Clear |
| | | 322 | 300, 600 | |
| **Saflex® QS41** | 0.76 mm (0.030 in.) | 100 ~ 280 | 250 | Clear |
| | | 322 | 250, 500 | |
| **Saflex® QS71** | 1.52 mm (0.060 in.) | 100 ~ 280 | 125 | Clear |
| | | 322 | 125, 250 | |

[a]*Consult your regional Saflex sales representative for availability of widths in each region.*

## Product performance

| | Product | EN12600 | EN356 | Comply |
|---|---|---|---|---|
| **Impact test** | QS31 | 1B1 | n/a | 3 mm glass |
| | QS41 | 1B1 | P2A | 4 mm glass |
| | QS71 | 1B1 | P2A | 4 mm glass |
| **Acoustic data** | **Product** | **Rw, Iso 717-7** | **MIM** | **Comply** |
| | QS31 | 37 dB | > 0.25 | 4 mm glass |
| | QS41 | 37 dB | > 0.25 | 4 mm glass |
| | QS71 | 37 dB | > 0.25 | 4 mm glass |

## Additional benefits of Saflex laminated glass

Safety protection  Burglary protection  Storm protection  UV protection

## Architects and designers trust Saflex®

Around the world, architects and designers trust Saflex when performance and safety are their most critical concerns. The reason for their confidence is simple. No matter what the specifications or performance targets, Saflex interlayer technology delivers advanced glazing performance for demanding applications.

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