

Saflex® Acoustic PVB interlayer

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



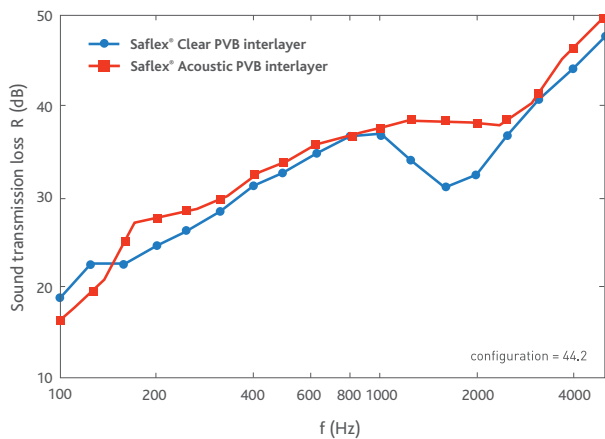
Eastman introduces an expanded Saflex® Acoustic portfolio for architectural glazing applications. Each interlayer is a multilayer product designed with improved handling and processability in mind. The product allows laminators to produce glass laminates with enhanced acoustical properties compared to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



^aSound 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

^aData 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	

^aConsult your regional Saflex sales representative for availability of widths in each region.

Product performance

Impact test	Product	EN12600	EN356	Comply
	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.



EASTMAN
The results of insight™

Although the information and recommendations set forth herein are presented in good faith, Eastman Chemical Company ("Eastman") and its subsidiaries make no representations or warranties as to the completeness or accuracy thereof. You must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. Nothing contained herein is to be construed as a recommendation to use any product, process, equipment, or formulation in conflict with any patent, and we make no representations or warranties, express or implied, that the use thereof will not infringe any patent. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS AND NOTHING HEREIN WAIVES ANY OF THE SELLER'S CONDITIONS OF SALE.

Safety Data Sheets providing safety precautions that should be observed when handling and storing our products are available online or by request. You should obtain and review available material safety information before handling our products. If any materials mentioned are not our products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be observed.

© 2018 Eastman. Eastman brands referenced herein are trademarks of Eastman or one of its subsidiaries or are being used under license. The ® symbol denotes registered trademark status in the U.S.; marks may also be registered internationally. Non-Eastman brands referenced herein are trademarks of their respective owners.