

Saflex® Solar interlayers

Advanced solar absorbing interlayer technology for laminated glass

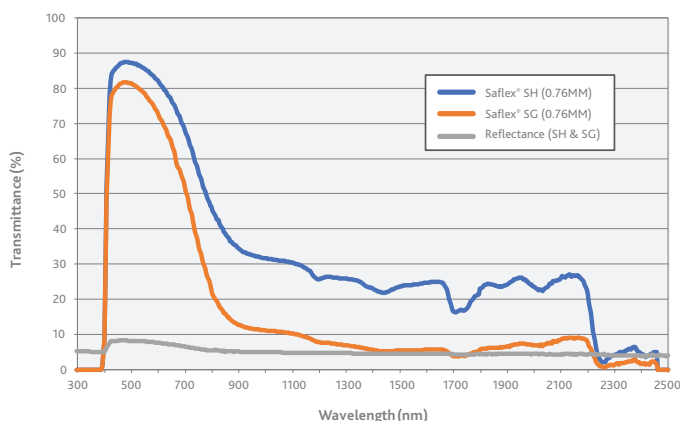


The Skin Cancer Foundation recommends this product as an effective UV protectant.

Saflex® Solar interlayers are high-visible light transmittance, infrared (IR) radiation-absorbing interlayers designed to enhance solar heat gain performance in laminated glass compared to monolithic clear glass and laminates made with conventional polyvinyl butyral (PVB) interlayer. They have the capability to meet or exceed many regulations for laminated safety glazing when properly selected, laminated, and installed.

The ideal solar product eliminates UV and NIR energy while allowing as much visible light transmittance as possible. As shown in the adjacent chart, Saflex Solar has the transmittance of a highly effective high-visible light transmittance solar product. Plus, Saflex Solar is specifically formulated to provide exceptional durability when exposed to natural weathering.

Saflex Solar is the PVB formulation of choice for applications where strengthened glass is specified to provide additional load or stress resistance (e.g., point-fixed system). Two options are available in the Saflex Solar range: Saflex Solar SG is our highest-performing Solar PVB interlayer, Saflex Solar SH has a more color-neutral appearance and may be laminated with annealed glass in some applications.



Saflex Solar is compatible with other Saflex interlayers such as Saflex Clear and Saflex Structural, as well as Vanceva® color Interlayer systems. In specific configurations, Saflex can be advantageously combined with low-e coatings or robust solar control coatings.

Contact your Eastman technical representative for further information on these advanced usage opportunities.

Applications

- Curved glass applications
- Low-reflection glazing
- Premium retail showrooms
- External glazed façades (especially in hot regions)
- Digital signage



Saflex® Solar product offering

Product nomenclature	Thickness, mm	Std. widths, cm	Std. lengths, m	Color	Form
SH41/SG41	0.76	100, 120, 140, 160, 180, 200, 225, 244, 322	250	Clear	Refrigerated
		100, 120, 140, 160, 180, 200, 225, 244, 280 cm	247		Interleaved

Saflex® Solar technical data

Technical properties		Test method	Units	SG	SH
Solar	Solar transmittance	ISO 9050, NFRC 100; LBNL WINDOW	%	37	51
	Solar reflectance		%	6	5
	Solar absorptance		%	58	43
	Solar heat gain coefficient (SHGC)		—	0.55	0.65
	Shading coefficient		—	0.63	0.74
Thermal	Light to solar gain (LSG)		—	1.40	1.40
			W/m ² ·K	5.67	5.67
	U factor		BTU/h·ft ² ·°F	1.00	1.00
UV	Transmitted UV		%	<0.01	<0.01
	Damage weighted factor (Tdw)		—	0.21	0.22
Solar and optical	Visible light transmittance	%	76	83	
	Visible light reflectance	%	8	7	

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™

Eastman Corporate Headquarters
P.O. Box 431
Kingsport, TN 37662-5280 U.S.A.

U.S.A. and Canada, 800-EASTMAN (800-327-8626)
Other Locations, +(1) 423-229-2000

www.eastman.com/locations

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.