

Laminate Specification Data

Performance Characteristics of Laminated Glass Made with Saflex Interlayer

Nominal Overall in. (mm)	Unit Configuration, Inches	CPS Cat. I	CPS Cat. II	ASTM F 1233 Class 1	UL 972	Blast Resistance	STC	OITC	Tvis %	Tsol %	Tuv	SC	SHGC	U-Factor BTU/h-ft ² -F	RHG BTU/h-ft ²	Hurricane Small Missile	Hurricane Large Missile	Seismic	
Monolithic - (Single Lite Glass)																			
1/4" (6mm)		—	—	—	—	—	31	27	0.88	0.77	0.66	0.94	0.82	1.03	201	—	—	—	
1/2" (12mm)		—	—	—	—	—	37	33	0.85	0.63	.053	0.83	0.72	0.98	180	—	—	—	
Laminated² (Glass - Solutia Interlayer - Glass)																			
1/4" (6mm)	Lami - 0.030" Saflex® - Lami	•	•	—	—	•	34	30	0.86	0.72	0.00	0.91	0.79	1.00	194	—	—	•	
5/16" (7mm)	1/8" - 0.030" Saflex® - 1/8"	•	•	—	—	•	34	30	0.88	0.72	0.00	0.91	0.78	1.00	194	—	—	•	
5/16" (7mm)	1/8" - 0.030" Saflex® AC - 1/8"	•	•	—	—	•	35	31	0.88	0.71	0.00	0.89	0.77	1.00	190	—	—	•	
5/16" (7mm)	1/8" - 0.030" Vanceva® Solar - 1/8"	•	•	—	—	•	34	30	0.85	0.63	0.00	0.83	0.72	1.00	178	—	—	•	
5/16" (7mm)	1/8" - 0.060" Saflex® - 1/8"	•	•	•	•	•	35	31	0.86	0.65	0.00	0.85	0.74	0.94	183	•	—	•	
5/16" (7mm)	1/8" - 0.075" Vanceva® Storm - 1/8"	•	•	•	•	•	33	30	0.87	0.71	0.00	0.89	0.77	0.97	190	•	•	•	
5/16" (7mm)	1/8" - 0.090" Saflex® - 1/8"	•	•	•	•	•	35	32	0.88	0.68	0.00	0.87	0.76	0.96	187	•	•	•	
5/16" (7mm)	1/8" - 0.100" Saflex® HP - 1/8"	•	•	—	—	•	35*	32*	0.87	0.67	0.00	0.87	0.75	0.95	185	•	•	•	
9/16" (13mm)	1/4" - 0.030" Saflex® - 1/4"	•	•	—	—	•	37	33	0.82	0.61	0.00	0.82	0.71	0.95	176	—	—	•	
9/16" (14mm)	1/4" - 0.060" Saflex® - 1/4"	•	•	•	•	•	37	33	0.86	0.65	0.00	0.85	0.74	0.94	183	•	•	•	
9/16" (14mm)	1/4" - 0.090" Saflex® - 1/4"	•	•	•	•	•	37*	33*	0.64	0.60	0.00	0.84	0.73	0.92	181	•	•	•	
9/16" (13mm)	1/4" - 0.030" Saflex® AC - 1/4"	•	•	—	—	•	38	34	0.85	0.61	0.00	0.81	0.70	0.96	174	—	—	•	
9/16" (13mm)	1/4" - 0.030" Vanceva® Solar - 1/4"	•	•	—	—	•	37	33	0.81	0.54	0.00	0.76	0.66	0.96	165	—	—	•	
9/16" (14mm)	1/4" - 0.075" Vanceva® Storm - 1/4"	•	•	•	•	•	37	34	0.85	0.64	0.00	0.84	0.72	0.93	179	•	•	•	
Insulated Glass Units (Monolithic Glass - Air Space - Monolithic Glass)																			
1" (25mm)	1/4"[1/2" A.S.]1/4"	—	—	—	—	—	35	27	0.79	0.60	0.00	0.81	0.70	0.47	168	—	—	—	
1-1/2" (38mm)	1/4"[1" A.S.]1/4"	—	—	—	—	—	37	30	0.79	0.60	0.00	0.81	0.70	0.49	168	—	—	—	
Laminated Insulating Units (Monolithic Glass - Air Space - Laminated Glass (inboard))																			
5/16" (22mm)	1/4" LAG30[1/2" A.S.]1/8"	•	•	—	—	•	37	31	0.80	0.61	0.00	0.79	0.68	0.47	164	—	—	•	
5/16" (24mm)	1/4" LAG60[1/2" A.S.]1/8"	•	•	•	•	•	37	31	0.80	0.59	0.00	0.77	0.67	0.47	162	•	•	•	
5/16" (24mm)	1/4" LAG90[1/2" A.S.]1/8"	•	•	•	•	•	37*	31*	0.78	0.54	0.00	0.72	0.63	0.46	151	•	•	•	
1" (25mm)	1/4" LAG30[1/2" A.S.]1/4"	•	•	—	—	•	39	32	0.79	0.56	0.00	0.77	0.67	0.47	161	—	—	•	
1" (26mm)	1/4" LAG60[1/2" A.S.]1/4"	•	•	•	•	•	39*	32*	0.79	0.55	0.00	0.76	0.66	0.46	158	•	•	•	
1" (27mm)	1/4" LAG75[1/2" A.S.]1/4"	•	•	•	•	•	39*	32*	0.78	0.55	0.00	0.76	0.66	0.46	158	•	•	•	
1" (27mm)	1/4" LAG90[1/2" A.S.]1/4"	•	•	•	•	•	39*	32*	0.78	0.53	0.00	0.74	0.64	0.46	154	•	•	•	
1" (27mm)	1/4" LAG100[1/2" A.S.]1/4"	•	•	•	•	•	39*	32*	0.77	0.52	0.00	0.73	0.63	0.46	153	•	•	•	
Double Laminated IGU (Laminated Glass - Air Space - Laminated Glass)																			
1" (26mm)	1/4" LAG30[1/2" A.S.]1/4" LAG30	•	•	—	—	•	40	33	0.79	0.56	0.00	0.77	0.67	0.46	160	—	—	•	
1" (27mm)	1/4" LAG30[1/2" A.S.]1/4" LAG60	•	•	•	•	•	39	34	0.79	0.55	0.00	0.76	0.66	0.46	159	•	•	•	
1-1/8" (28mm)	1/4" LAG30[1/2" A.S.]1/4" LAG90	•	•	•	•	•	40	35	0.78	0.53	0.00	0.76	0.65	0.45	158	•	•	•	
1-5/16" (33mm)	1/4" LAG30[1/2" A.S.]9/16" LAG75	•	•	•	•	•	39*	34*	0.76	0.50	0.00	0.74	0.64	0.45	153	•	•	•	
1-5/8" (41mm)	9/16" LAG75[1/2" A.S.]9/16" LAG100	•	•	•	•	•	40*	35*	0.74	0.45	0.00	0.68	0.59	0.43	143	•	•	•	
Triple Laminated IGU (Laminated Glass - Air Space - Laminated Glass - Air Space - Laminated Glass)																			
1 3/4" (46mm)	1/4" LAG30[1/2" A.S.]1/4" LAG30[1/2" A.S.]	•	•	•	•	•	44	33	0.70	0.44	0.00	0.67	0.58	0.30	138	•	—	•	

Information provided by Solutia Inc. The data and information set forth above are based on samples tested and are not guaranteed for all samples or applications. All data calculated using Lawrence Berkeley Laboratory Window 5 Program; NFRC/ASHRAE Conditions; center of glass values; US Standard units. Data presented is not inclusive of all product/color offerings. Contact the manufacturer for a full product and performance listing. *Estimated Acoustical Rating.

Notes: XX = Interlayer gauge in mils. For example: 1/4"LAGXX = symmetrical 1/8" glass plus interlayer. 9/16"LAGXX = symmetrical 1/4" glass plus interlayer. Light to Solar Gain (LSG) is calculated by dividing the Tvis% by the SHGC