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TROSIFOL®

ARCHITECTURAL

LAMINATED GLASS INTERLAYERS
TECHNICAL DATA: ACOUSTIC





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Acoustic Interlayers – Physical properties

Type	Adhesion	Film thickness [mm]	Color	Color Code	Light transmittance* [%]	UV transmittance* [%]	Solar absorption* [%]
Trosifol® SC Monolayer	high	0.76	UltraClear	-	88	< 1	19
Trosifol® SC Monolayer	high	1.52	UltraClear	-	88	< 0.5	21
Trosifol® SC Multilayer	low	0.50	UltraClear	-	88	< 1	20
Trosifol® SC Multilayer	low	0.76	UltraClear	-	88	< 1	20

Acoustic Interlayers – Dimensions

Type	Film thickness [mm]	Roll widths [mm]	Roll length refrigerated [m]	Roll length PE interleaved [m]
Trosifol® SC Monolayer	0.76	600-3210* ²	-	200/450
Trosifol® SC Monolayer	1.52	600-3210* ²	-	100
Trosifol® SC Multilayer	0.50	3210	350/700	370/700
Trosifol® SC Multilayer	0.76	600-3210* ²	470	230

* LSG with 2 x 4 mm Floatglass according EN 410 / ISO 9050

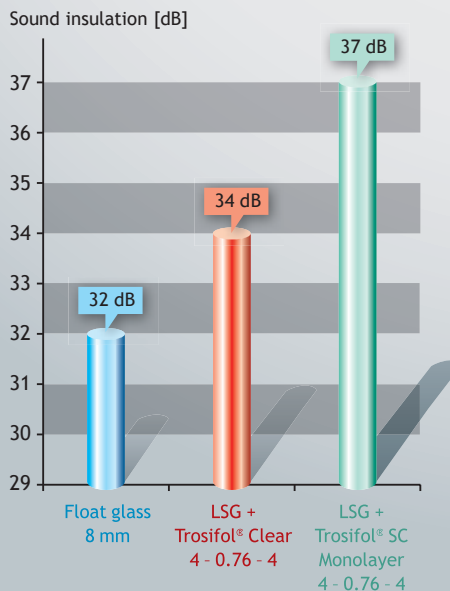
*² is a made to stock product; Standard stock sizes /[mm]: 1000/1300/1600/2000/2250/2600/3210

0.76 mm Monolayer products – Test results

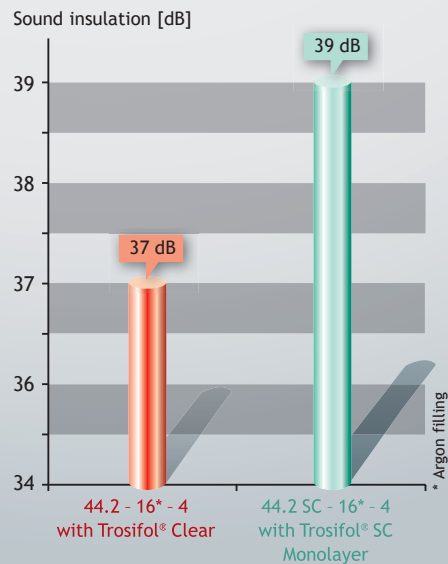
Glass [mm]	Cavity air or argon [mm]	Glass [mm]	Cavity [mm]	Glass [mm]	R _w [dB]	C, C _{tr} [dB]	STC	OITC		
3 SC Mono*	0.76	3			35	(-1/-4)	35	30		
4 SC Mono	0.76	4			37	(-1/-3)	37	32		
5 SC Mono	0.76	5			38	(0/-2)	38	34		
6 SC Mono	0.76	6			39	(0/-2)	39	35		
8 SC Mono	0.76	8			41	(-1/-3)	41	37		
10 SC Mono	0.76	10			42	(0/-3)	42	38		
12 SC Mono	0.76	12			43	(0/-3)	43	39		
4 SC Mono	0.76	4	16	4	39	(-1/-5)	39	31		
4 SC Mono	0.76	4	16	6	41	(-2/-6)	41	33		
4 SC Mono	0.76	4	16	8	42	(-3/-8)	42	31		
6 SC Mono	0.76	6	16	8	43	(-2/-6)	43	34		
4 SC Mono	0.76	4	16	10	44	(-2/-6)	44	35		
4 SC Mono	0.76	4	16	6 SC Mono 0.76 6	47	(-2/-6)	48	37		
4 SC Mono	0.76	4	20	6 SC Mono 0.76 6	49	(-2/-7)	49	38		
4 SC Mono	0.76	4	12	4	12	6	41	(-2/-6)	41	32
4 SC Mono	0.76	4	12	4	12	8	42	(-2/-6)	42	33
4 SC Mono	0.76	4	12	6	12	4 SC Mono 0.76 6	47	(-2/-7)	47	38

* SC Mono = Trosifol® SC Monolayer

Sound insulation with monolithic glass



Sound insulation with multiple insulating glass



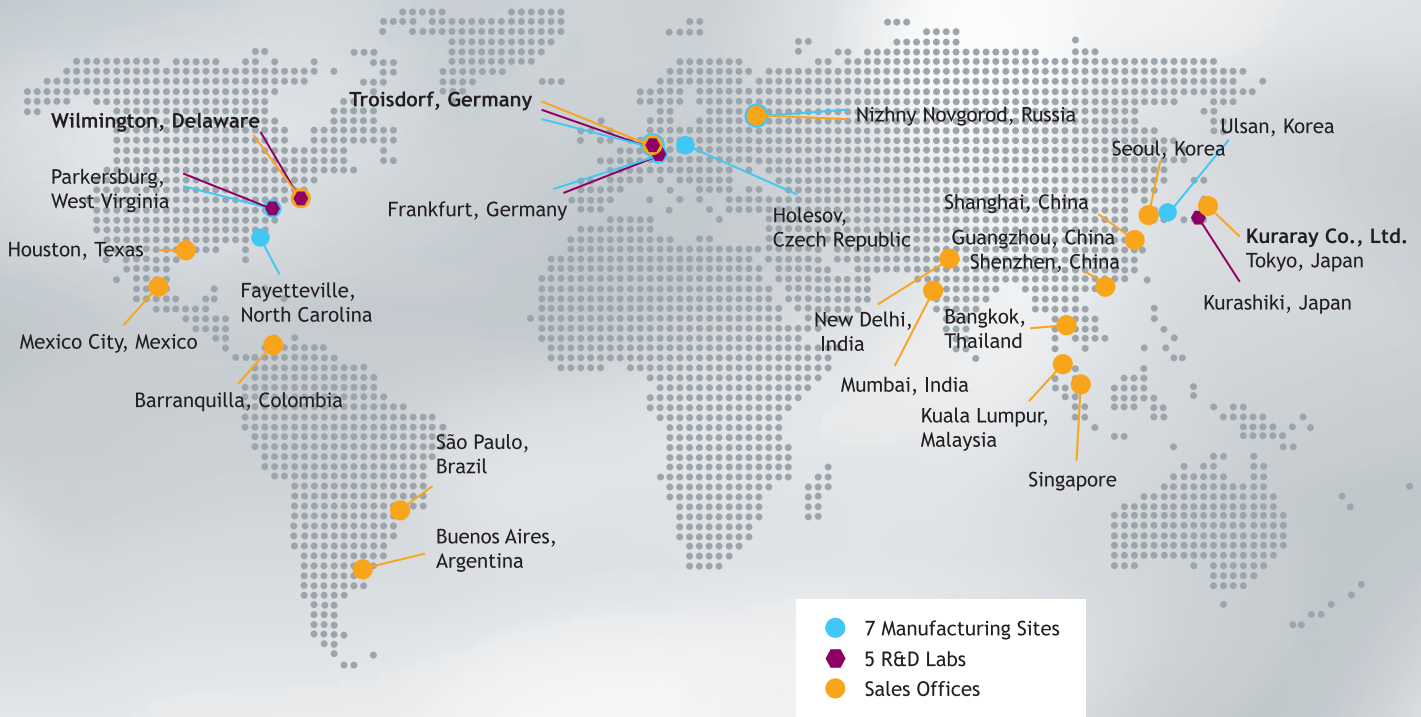
0.50 mm Multilayer products – Test results

Glass [mm]	Cavity air or argon [mm]	Glass [mm]	Cavity [mm]	Glass [mm]	R _w [dB]	C, C _{tr} [dB]	STC	OITC
3 SC Multi**	0.50	3			36	(-1/-4)	35	30
4 SC Multi	0.50	4			37	(0/-2)	37	33
5 SC Multi	0.50	5			39	(-1/-3)	38	35
6 SC Multi	0.50	6			40	(-1/-3)	40	36
8 SC Multi	0.50	8			41	(0/-2)	41	38

0.76 mm Multilayer products – Test results

Glass [mm]	Cavity air or argon [mm]	Glass [mm]	Cavity [mm]	Glass [mm]	R _w [dB]	C, C _{tr} [dB]	STC	OITC
3 SC Multi	0.76	3			36	(-1/-4)	36	30 *
4 SC Multi	0.76	4			37	(0/-2)	37	33
5 SC Multi	0.76	5			38	(-1/-3)	38	33 *
6 SC Multi	0.76	6			40	(-1/ 3)	39	36 *
8 SC Multi	0.76	8			41	(-1/-3)	41	37 *
10 SC Multi	0.76	10			42	(-1/-3)	42	38
12 SC Multi	0.76	12			43	(-1/-3)	43	39
3 SC Multi	0.76	3	16	4	36	(-2/-6)	36	28
3 SC Multi	0.76	3	16	6	40	(-2/-6)	40	31
3 SC Multi	0.76	3	16	8	42	(-3/-7)	42	32
4 SC Multi	0.76	4	16	4	39	(-3/-7)	37	30 *
4 SC Multi	0.76	4	16	6	41	(-2/-6)	41	33 *
4 SC Multi	0.76	4	16	8	42	(-3/-8)	42	31 *
6 SC Multi	0.76	6	16	8	43	(-2/-6)	43	34
4 SC Multi	0.76	4	16	10	44	(-2/-6)	44	36
4 SC Multi	0.76	4	20	10	46	(-2/-6)	46	37
6 SC Multi	0.76	6	16	10	44	(-1/-5)	44	36
4 SC Multi	0.76	4	16	6 SC Multi 0.76 6	48	(-2/-7)	48	38 *
4 SC Multi	0.76	4	20	6 SC Multi 0.76 6	49	(-2/-7)	49	38 *
8 SC Multi	0.76	6	16	6 SC Multi 0.76 6	51	(-2/-6)	51	42
8 SC Multi	0.76	8	16	6 SC Multi 0.76 6	51	(-1/-6)	51	42
8 SC Multi	0.76	8	24	4 SC Multi 0.76 6	52	(-2/-6)	51	44 *
4 SC Multi	0.76	4	12	4	42	(-3/-8)	41	30
4 SC Multi	0.76	4	14	4	43	(-2/-7)	44	33
4 SC Multi	0.76	4	12	4	43	(-2/-7)	43	33
4 SC Multi	0.76	4	16	4	45	(-3/-7)	45	34
5 SC Multi	0.76	5	12	6	44	(-2/-7)	44	35
6 SC Multi	0.76	6	12	6	45	(-1/-5)	46	37
6 SC Multi	0.76	6	14	6	46	(-2/-6)	46	38
4 SC Multi	0.76	4	12	4	46	(-2/-7)	47	35
4 SC Multi	0.76	4	12	6	47	(-2/-7)	47	37
6 SC Multi	0.76	6	12	6	49	(-1/-7)	50	39
6 SC Multi	0.76	6	14	4 SC Multi 0.76 4	50	(-2/-7)	51	40

* Internally calculated according ASTM 1332-10a based on the originally measurement results
 ** SC Multi = Trosifol® SC Multilayer



For further information on products of Kuraray, please visit www.kuraray.com.
 You can find further information on our Trosifol® products at www.trosifol.com.

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