

TGI Comparative Soundproofing Capabilities of Sound Control Laminated Glass

Type		Frequency (Hz)																	STC
		100	125	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	
SCF Laminated Glass	FL5 ^{mm} +SCF0.76 ^{mm} +FL5 ^{mm}	29.0	31.0	31.0	33.0	34.0	36.0	38.0	39.0	42.0	44.0	44.0	44.0	43.0	43.0	46.0	49.0	52.0	41
	FL6 ^{mm} +SCF0.76 ^{mm} +FL6 ^{mm}	29.0	32.0	34.0	34.0	36.0	38.0	40.0	41.0	43.0	45.0	45.0	44.0	44.0	46.0	49.0	52.0	56.0	43
	FL8 ^{mm} +SCF0.76 ^{mm} +FL8 ^{mm}	28.0	31.0	33.0	35.0	36.0	38.0	40.0	40.0	43.0	44.0	43.0	44.0	47.0	50.0	52.0	55.0	58.0	43
Laminated Glass	FL5 ^{mm} +0.76 ^{mm} +FL5 ^{mm}	27.0	31.0	31.0	33.0	35.0	36.0	38.0	38.0	41.0	42.0	40.0	38.0	41.0	44.0	47.0	49.0	53.0	40
	FL6 ^{mm} +0.76 ^{mm} +FL6 ^{mm}	25.0	28.0	32.0	33.0	35.0	36.0	37.0	37.0	40.0	40.0	39.0	40.0	44.0	47.0	49.0	52.0	56.0	40
Mono Glass	FL3 ^{mm}	10.0	20.0	19.0	20.0	22.0	23.0	25.0	26.0	28.0	30.0	31.0	32.0	33.0	34.0	32.0	22.0	26.0	27
	FL4 ^{mm}	18.0	17.6	21.0	22.0	24.0	26.0	27.7	30.0	31.0	32.0	33.0	34.0	35.0	32.0	24.0	27.0	31.0	27
	FL6 ^{mm}	19.0	20.4	24.0	27.0	28.0	30.0	31.7	34.0	35.0	35.0	36.0	33.0	28.0	29.0	33.0	35.0	38.0	31
	FL8 ^{mm}	22.0	22.0	24.0	26.0	29.0	31.0	33.0	35.0	36.0	36.0	33.0	30.0	30.0	35.0	37.0	39.0	42.0	33
Insulating Glass	FL3 ^{mm} +Air6 ^{mm} +FL3 ^{mm}	16.0	24.0	21.0	23.0	22.0	19.0	20.0	22.0	27.0	30.0	34.0	37.0	37.0	39.0	37.0	24.0	31.0	27
	FL3 ^{mm} +Air6 ^{mm} +FL6 ^{mm}	19.0	27.0	26.0	26.0	23.0	23.0	26.0	29.0	33.0	37.0	40.0	39.0	36.0	39.0	44.0	47.0	47.0	32
	FL4 ^{mm} +Air6 ^{mm} +FL6 ^{mm}	20.0	27.0	25.0	25.0	20.0	23.0	26.0	30.0	35.0	38.0	40.0	38.0	35.0	36.0	37.0	40.0	41.0	33

Unit : dB