



SOUND TRANSMISSION LOSS

ASTM E90

Architectural Testing


ATI No.	63957.01A	Date	04/06/06
Client	Stergis Aluminum Products Corp.		
Specimen	Series/Model 6002A double hung window with 3/4" IG(1/8" annealed, 1/2" air space, 1/8" annealed) 1/8" annealed storm		
Specimen Area	24.00 Sq Ft		
Filler Area	116.00 Sq Ft		
Operator	Kurt A. Golden		

	Bkgrd	Absorp	Source	Receive	Filler	Specimen
Temp F	73.2	72.8	72.3	73.0	71.4	72.8
RH %	64.0	64.8	64.4	64.4	64.6	64.4

Freq (Hz)	Bkgrd SPL (dB)	Absorp (Sabines /Sq Ft)	Source SPL (dB)	Receive SPL (dB)	Filler TL (dB)	Specimen TL (dB)	95% Conf Limit	No. of Deficiencies	Trans Coef Diff
80	37.7	55.2	92.3	73.2	36.2	16	4.30	0	13.9
100	40.9	51.6	99.5	77.8	40.5	18	2.74	0	15.2
125	41.5	53.8	103.4	80.1	46.8	20	2.64	2	20.1
160	38.5	51.2	105.7	82.1	49.0	20	1.31	5	21.8
200	38.6	54.8	110.6	81.7	51.5	25	0.81	3	19.4
250	34.4	58.1	110.3	83.6	56.1	23	1.31	8	26.3
315	31.0	58.0	106.4	74.4	60.4	28	0.81	6	25.3
400	28.0	57.7	105.5	70.0	64.8	32	0.66	5	26.2
500	26.8	58.8	108.7	69.7	69.4	35	0.66	3	27.4
630	22.9	58.0	111.0	68.5	76.5	39	0.63	0	31.0
800	23.3	60.7	110.4	65.3	81.1	41	0.33	0	33.1
1000	21.5	62.9	109.2	64.2	84.1	41	0.55	0	36.5
1250	21.5	67.5	111.5	65.1	86.5	42	0.22	0	37.7
1600	17.5	70.9	115.8	67.1	88.3	44	0.21	0	37.4
2000	14.4	76.5	109.1	59.8	89.1	44	0.19	0	38.0
2500	6.7	87.8	106.0	54.0	88.5	46	0.31	0	35.3
3150	7.2	103.8	106.4	54.0	90.2	46	0.33	0	37.4
4000	7.0	128.7	104.2	54.6	90.5	42	0.32	0	41.4
5000	7.4	168.6	100.8	46.1	88.5	46	0.47	0	35.3

STC Rating = 38 *(Sound Transmission Class)*
Deficiencies = 32 *(Number of deficiencies versus contour curve)*
OITC Rating = 28 *(Outdoor/Indoor Transmission Class)*

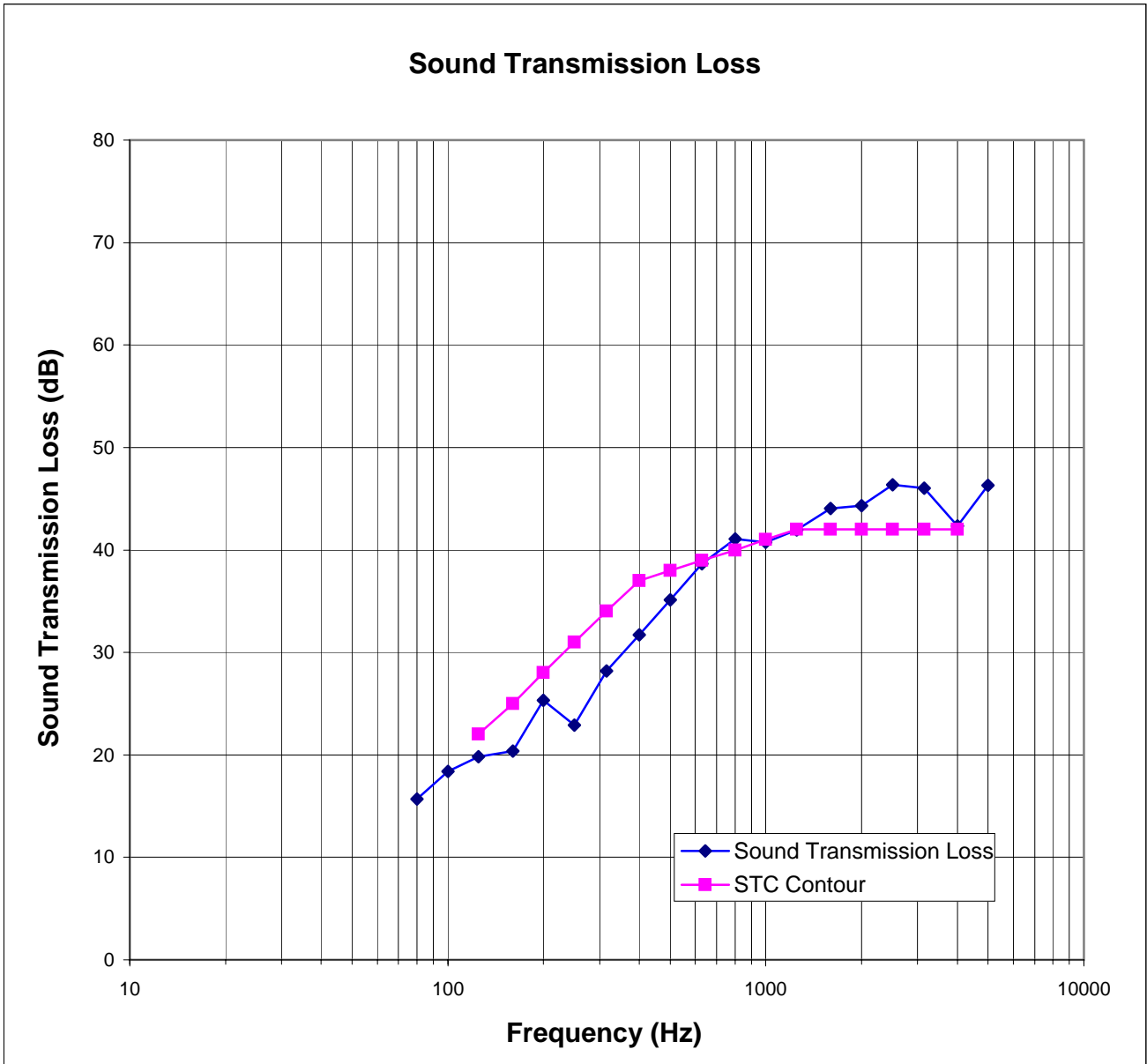
Note: *The acoustical chambers are qualified for measurements down to 80 hertz.
Data reported below 80 hertz is for reference only.*

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