



SOUND TRANSMISSION LOSS

ASTM E90

Architectural Testing


ATI No.	63957.01B	Date	04/06/06
Client	Stergis Aluminum Products Corp.		
Specimen	Series/Model 6002A double hung window with 3/4" IG(1/8" annealed exterior, 3/8" air space, 1/4" laminated interior) 1/8" annealed storm, Glass temperature 72F		
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	72.4	73.0	71.4	72.9
RH %	64.0	64.7	63.0	64.4	64.6	64.0

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	39.3	47.8	93.3	73.7	36.2	17	3.20	0	12.8
100	40.8	55.8	99.8	77.6	40.5	19	2.48	0	15.1
125	42.5	48.9	104.5	78.3	46.8	23	2.55	1	16.8
160	40.6	51.0	106.7	78.3	49.0	25	1.03	2	17.1
200	40.3	52.4	110.6	77.9	51.5	29	0.55	1	15.4
250	36.5	56.9	110.4	76.8	56.1	30	0.96	3	19.3
315	34.3	57.6	106.9	70.6	60.4	33	0.83	3	21.0
400	31.9	57.7	105.6	66.7	64.8	35	0.69	4	22.8
500	29.8	58.9	108.8	67.1	69.4	38	0.48	2	24.7
630	24.1	57.2	110.7	66.1	76.5	41	0.78	0	28.8
800	24.5	59.8	110.5	64.0	81.1	42	0.17	0	31.7
1000	22.9	63.7	109.1	62.8	84.1	42	0.56	1	35.3
1250	22.7	67.9	111.2	64.7	86.5	42	0.36	2	37.7
1600	19.1	70.6	115.7	67.7	88.3	43	0.16	1	38.1
2000	15.4	75.6	109.1	60.8	89.1	43	0.23	1	39.0
2500	7.5	87.7	106.2	53.9	88.5	47	0.35	0	35.0
3150	8.0	105.1	106.5	52.1	90.2	48	0.24	0	35.3
4000	7.2	129.1	104.3	48.7	90.5	48	0.37	0	35.4
5000	7.6	169.1	100.7	41.7	88.5	51	0.71	0	31.1

STC Rating = 40 *(Sound Transmission Class)*
Deficiencies = 21 *(Number of deficiencies versus contour curve)*
OITC Rating = 30 *(Outdoor/Indoor Transmission Class)*

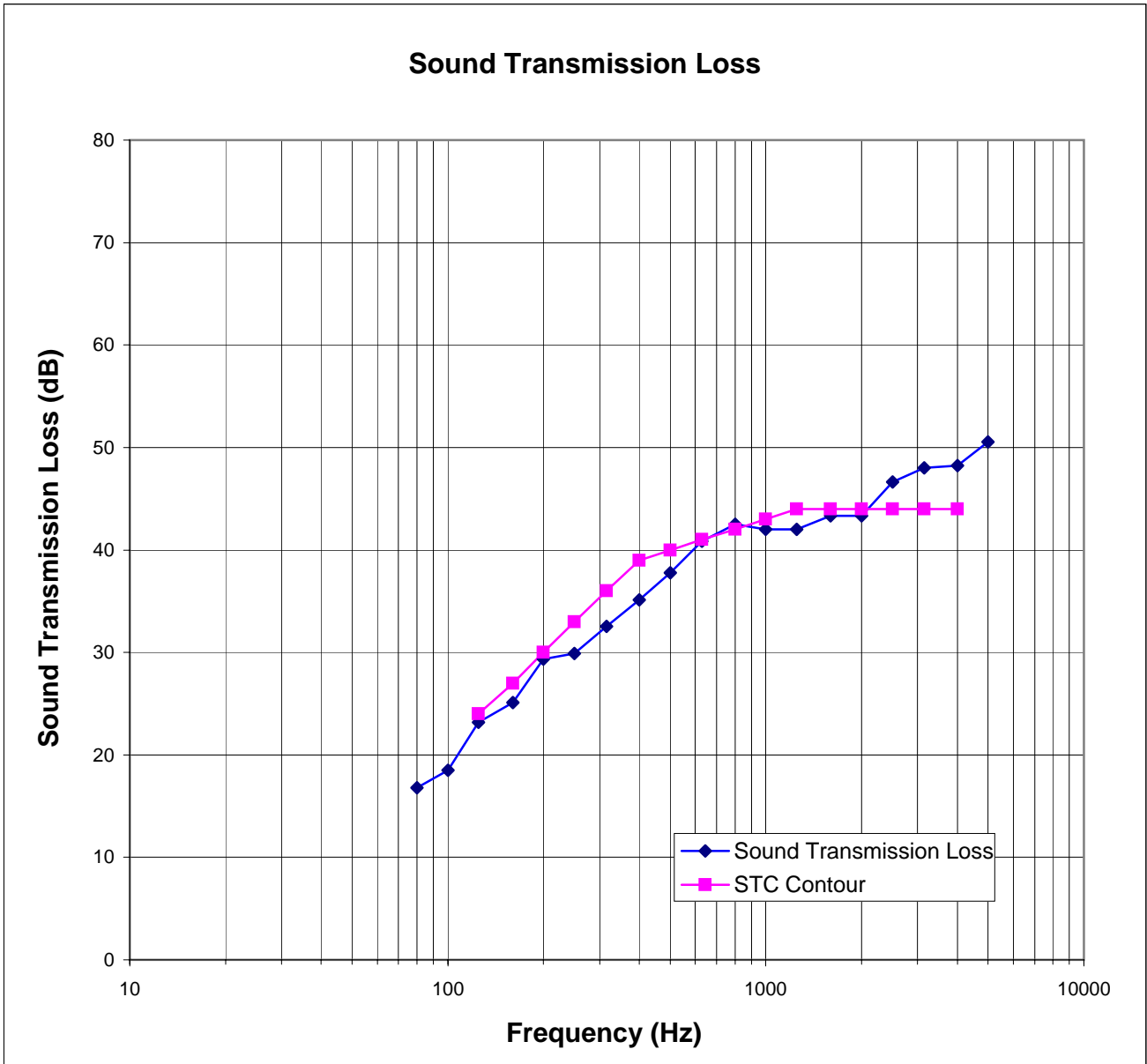
Note: *The acoustical chambers are qualified for measurements down to 80 hertz. Data reported below 80 hertz is for reference only.*

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