

Laboratory Measurement of Airborne Sound Transmission Loss  
of Building Partitions ASTM E 90-09/NVLAP 08/P06

TEST NUMBER: TL10-391 TEST DATE: DECEMBER 01, 2010

CLIENT: Louisiana-Pacific Corporation  
DESIGNATION: Configuration A - Double Stud Party Wall Assembly (UL U350)

DIMENSIONS: 168" wide x 108" high x 10.25" thick  
AREA: 126.0 ft<sup>2</sup>  
WEIGHT: 1595.75 lbs AREA WEIGHT: 12.66 lbs/ft<sup>2</sup>  
SPECIMEN DETAILS:

SOURCE ROOM: Room 2 Volume = 6297.6 ft<sup>3</sup> Area = 2066.2 ft<sup>2</sup>  
RECEIVE ROOM: Room 1 Volume = 6254.5 ft<sup>3</sup> Area = 2042 ft<sup>2</sup>  
FILE NAME: TL10\_391\_101201\_A.doc

FREQ. (Hz)	T.L. (dB)	UNC. (dB) 95%CL	DEF. (dB) <CONT	FREQ. (Hz)	T.L. (dB)	UNC. (dB) 95%CL	DEF. (dB) <CONT
100	35	0.66		800	62	0.16	1
125	40	0.50	5	1k	63	0.12	1
160	43	0.68	5	1.25k	65	0.17	
200	47	0.36	4	1.6k	61	0.10	4
250	54	0.42		2k	59	0.10	6
315	58	0.33		2.5k	65	0.22	
400	59	0.19	1	3.15k	69	1.55	
500	59	0.28	2	4k	68	3.28	
630	60	0.17	2	5k	67	3.29	

Sound Transmission Class (STC) = 61

Total Deficiencies = 31

Extended Frequency Data

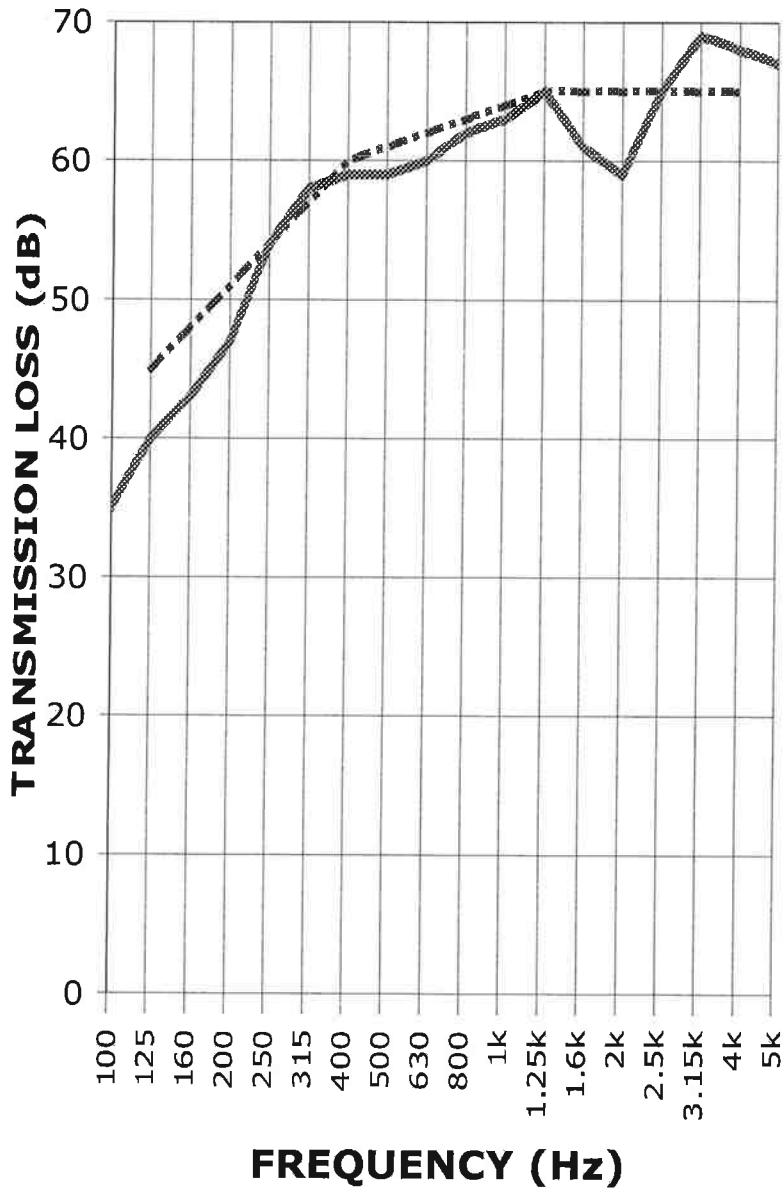
FREQ.	T.L.	UNC.	DEF.	FREQ.	T.L.	UNC.	DEF.
80	34	0.72					

R: 60  
OITC: 48

Test Conducted by   
Marc Sciaky

This single report page and accompanying graph contain the instantaneous raw data as provided to the client after testing of the specimen. This data, although accurate, is incomplete without the full specimen description, mounting details and signature pages. The full report referenced by the RAL test number above should be consulted for further information regarding these results.

SOUND TRANSMISSION REPORT  
RAL - TL10-391



STC = 61



TRANSMISSION LOSS  
SOUND TRANSMISSION LOSS CONTOUR