

TEST REPORT FOR U.S. RUBBER RECYCLING, INC.

Report No.: H4163.03-303-11-R0

Date: 09/05/19

SECTION 10

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	10/24/2017				
DATA FILE NO.	H4163.03				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8 mm Daltile Ceramic Floor Tile, 5.3 mm U.S. Rubber Recycling, Inc. QuietSound Rubber underlayment, 203.2 mm 5000 PSI Concrete Slab, 43 mm Chicago Metallic 650.00C Drywall Main Beam, 36 mm Chicago Metallic 664.00C Cross Tee, 88.9 mm Knauf with ECOSE R-13 faced Glass mineral wool Insulation, 15.9 mm USG SHEETROCK® Brand FIRECODE® C core Gypsum Panel				
SPECIMEN AREA	11.15 m ²	Receive Temp.	23.4°C	Source Temp.	21.7°C
TECHNICIAN	LSH	Receive Humidity	74%	Source Humidity	74%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	SOURCE SPL (dB)	RECEIVE SPL (dB)	SPECIMEN TL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	25.1	7.6	102	61	42	2.5	-
100	24.8	6.1	104	64	42	2.6	-
125	26.3	5.5	102	64	41	1.5	6
160	20.7	5.3	101	60	45	1.5	5
200	13.6	6.6	101	54	49	1.0	4
250	11.2	6.5	98	49	52	0.7	4
315	6.8	7.5	101	46	57	0.5	2
400	5.3	7.2	102	46	58	0.7	4
500	5.1	6.4	101	44	59	0.5	4
630	3.1	6.2	97	33	66	0.5	0
800	2.5	6.3	96	31	68	0.4	0
1000	2.7	6.3	97	26	73	0.4	0
1250	1.4	6.5	98	25	75	0.3	0
1600	1.4	6.8	99	23	77	0.4	0
2000	2.1	8.1	99	22	78	0.4	0
2500	3.1	9.0	100	22	79	0.3	0
3150	3.9	10.0	99	19	81	0.2	0
4000	4.7	12.5	98	15	82	0.4	0
5000	5.0	15.7	95	10	84	0.5	-
6300	5.5	21.0	94	10	81	0.5	-
8000	5.9	28.5	93	8	81	0.5	-
10000	6.2	36.5	92	7	80	0.4	-
STC Rating	63	<i>(Sound Transmission Class)</i>			Sum of Deficiencies	29	

- Notes:**
- 1) Receive Room levels less than 5 dB above the Background levels are highlighted in yellow.
 - 2) Specimen TL levels listed in red are potentially limited by the laboratory flanking limit.
 - 3) Specimen TL levels listed in blue indicate the lower limit of the transmission loss.
 - 4) Specimen TL levels listed in green indicate that there has been a filler wall correction applied

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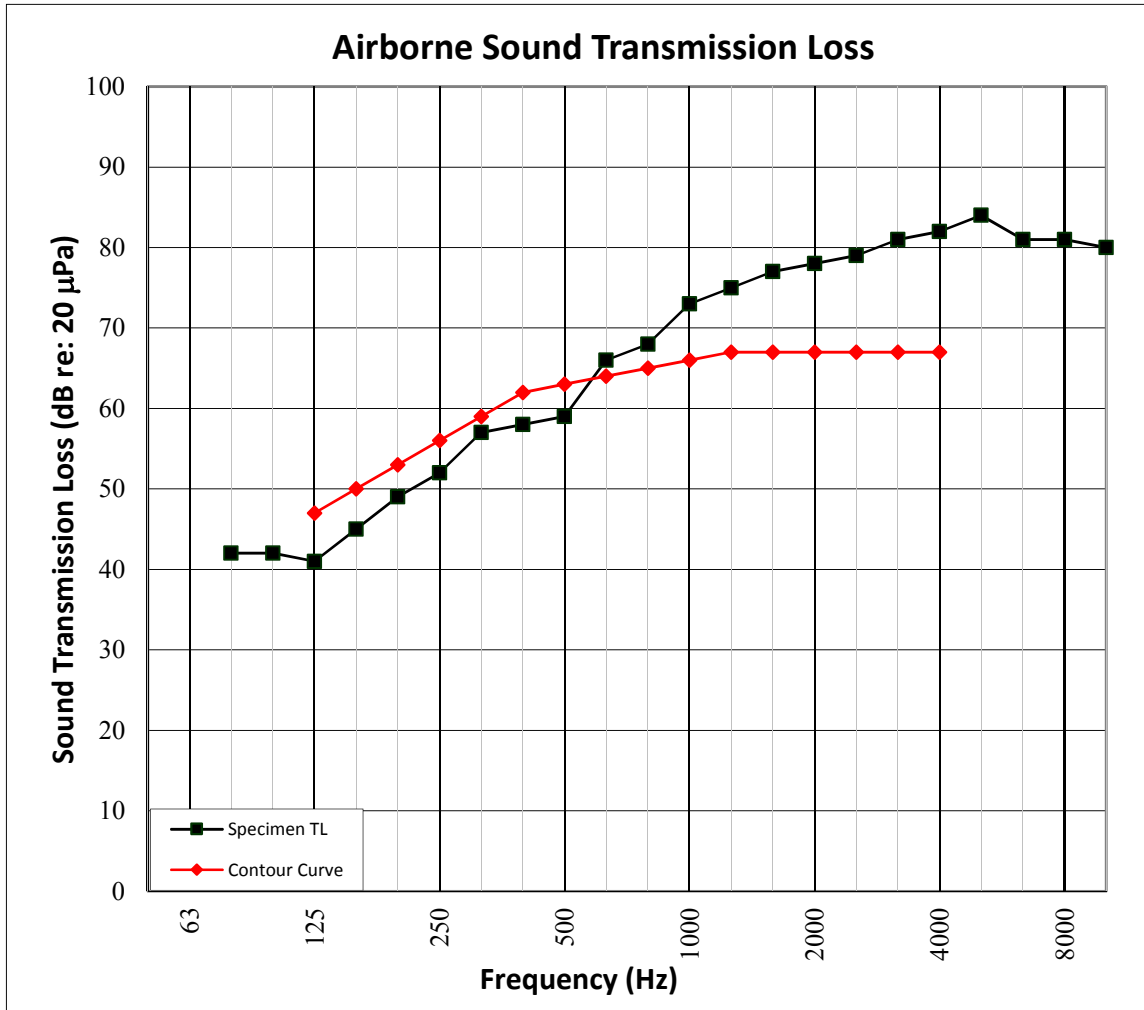
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SECTION 11

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS GRAPH



TEST DATE	10/24/2017				
DATA FILE NO.	H4163.03				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8 mm Daltile Ceramic Floor Tile, 5.3 mm U.S. Rubber Recycling, Inc. QuietSound Rubber underlayment, 203.2 mm 5000 PSI Concrete Slab, 43 mm Chicago Metallic 650.00C Drywall Main Beam, 36 mm Chicago Metallic 664.00C Cross Tee, 88.9 mm Knauf with ECOSE R-13 faced Glass mineral wool Insulation, 15.9 mm USG SHEETROCK® Brand FIRECODE® C core Gypsum Panel				
SPECIMEN AREA	11.15 m ²	Receive Temp.	23.4°C	Source Temp.	21.7°C
TECHNICIAN	LSH	Receive Humidity	74%	Source Humidity	74%



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SECTION 12

TEST RESULTS - IMPACT SOUND TRANSMISSION



TEST DATE	10/24/2017				
DATA FILE NO.	H4163.03				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8 mm Daltile Ceramic Floor Tile, 5.3 mm U.S. Rubber Recycling, Inc. QuietSound Rubber underlayment, 203.2 mm 5000 PSI Concrete Slab, 43 mm Chicago Metallic 650.00C Drywall Main Beam, 36 mm Chicago Metallic 664.00C Cross Tee, 88.9 mm Knauf with ECOSE R-13 faced Glass mineral wool Insulation, 15.9 mm USG SHEETROCK® Brand FIRECODE® C core Gypsum Panel				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	23.9°C	Minimum Temp.	23°C
TECHNICIAN	LSH	Max. Humidity	76%	Min. Humidity	72%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	NORMALIZED IMPACT SPL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	25.3	7.0	49	2.1	-
100	24.6	5.9	51	1.8	5
125	26.1	5.8	49	1.3	3
160	20.8	5.1	45	1.1	0
200	15.1	5.9	47	0.9	1
250	12.4	6.1	48	0.8	2
315	11.0	7.7	47	0.5	1
400	10.2	7.2	49	0.6	4
500	13.9	6.3	51	0.3	7
630	16.4	6.1	48	0.2	5
800	12.7	6.3	45	0.2	3
1000	14.4	6.2	39	0.2	0
1250	20.1	6.5	34	0.3	0
1600	27.0	6.8	30	0.8	0
2000	21.0	8.2	27	0.7	0
2500	15.8	9.1	22	0.7	0
3150	15.4	10.1	15	0.8	0
4000	17.2	12.6	11	0.4	-
5000	17.5	15.8	14	0.6	-
6300	9.5	21.0	10	0.2	-
8000	8.3	28.2	9	0.4	-
10000	7.4	36.3	10	0.3	-
IIC Rating	66	<i>(Impact Insulation Class)</i>		Sum of Deficiencies	31

Notes: Receive Room levels less than 5 dB above the Background levels are highlighted in yellow.

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SECTION 13

TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH



TEST DATE	10/24/2017				
DATA FILE NO.	H4163.03				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8 mm Daltile Ceramic Floor Tile, 5.3 mm U.S. Rubber Recycling, Inc. QuietSound Rubber underlayment, 203.2 mm 5000 PSI Concrete Slab, 43 mm Chicago Metallic 650.00C Drywall Main Beam, 36 mm Chicago Metallic 664.00C Cross Tee, 88.9 mm Knauf with ECOSE R-13 faced Glass mineral wool Insulation, 15.9 mm USG SHEETROCK® Brand FIRECODE® C core Gypsum Panel				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	23.9°C	Minimum Temp.	23°C
TECHNICIAN	LSH	Max. Humidity	76%	Min. Humidity	72%

