

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

Report No.: H4163.21-303-11-R0

Date: 09/05/19

SECTION 10

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	4/9/2018				
DATA FILE NO.	H4163.21				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	7.98 mm Daltile Ceramic Tile , 3.1 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 152.4 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.	20.6°C	Source Temp.	22.1°C
TECHNICIAN	LSH	Receive Humidity	50%	Source Humidity	48%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	SOURCE SPL (dB)	RECEIVE SPL (dB)	SPECIMEN TL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	20.5	7.2	101	63	40	2.5	-
100	20.1	5.9	103	64	42	2.8	-
125	19.7	5.0	102	65	41	1.3	6
160	14.4	5.2	101	60	45	1.6	5
200	10.8	6.4	100	56	47	1.0	6
250	9.1	6.4	98	49	51	1.0	5
315	4.2	7.7	103	46	58	0.8	1
400	5.9	7.1	102	48	57	0.8	5
500	7.7	6.2	101	44	59	0.5	4
630	2.6	6.2	97	34	65	0.4	0
800	2.1	6.3	96	31	67	0.4	0
1000	2.4	6.2	97	26	73	0.3	0
1250	1.4	6.3	99	26	76	0.3	0
1600	1.9	6.7	99	24	78	0.3	0
2000	2.6	7.5	100	24	77	0.3	0
2500	3.4	8.4	100	24	78	0.3	0
3150	4.4	9.3	100	21	80	0.2	0
4000	4.9	10.9	99	17	83	0.4	0
5000	5.5	13.6	97	12	84	0.5	-
6300	6.2	17.7	95	12	81	0.4	-
8000	6.7	23.4	95	9	83	0.6	-
10000	6.9	29.7	94	8	82	0.7	-
STC Rating	63	<i>(Sound Transmission Class)</i>			Sum of Deficiencies	32	

- 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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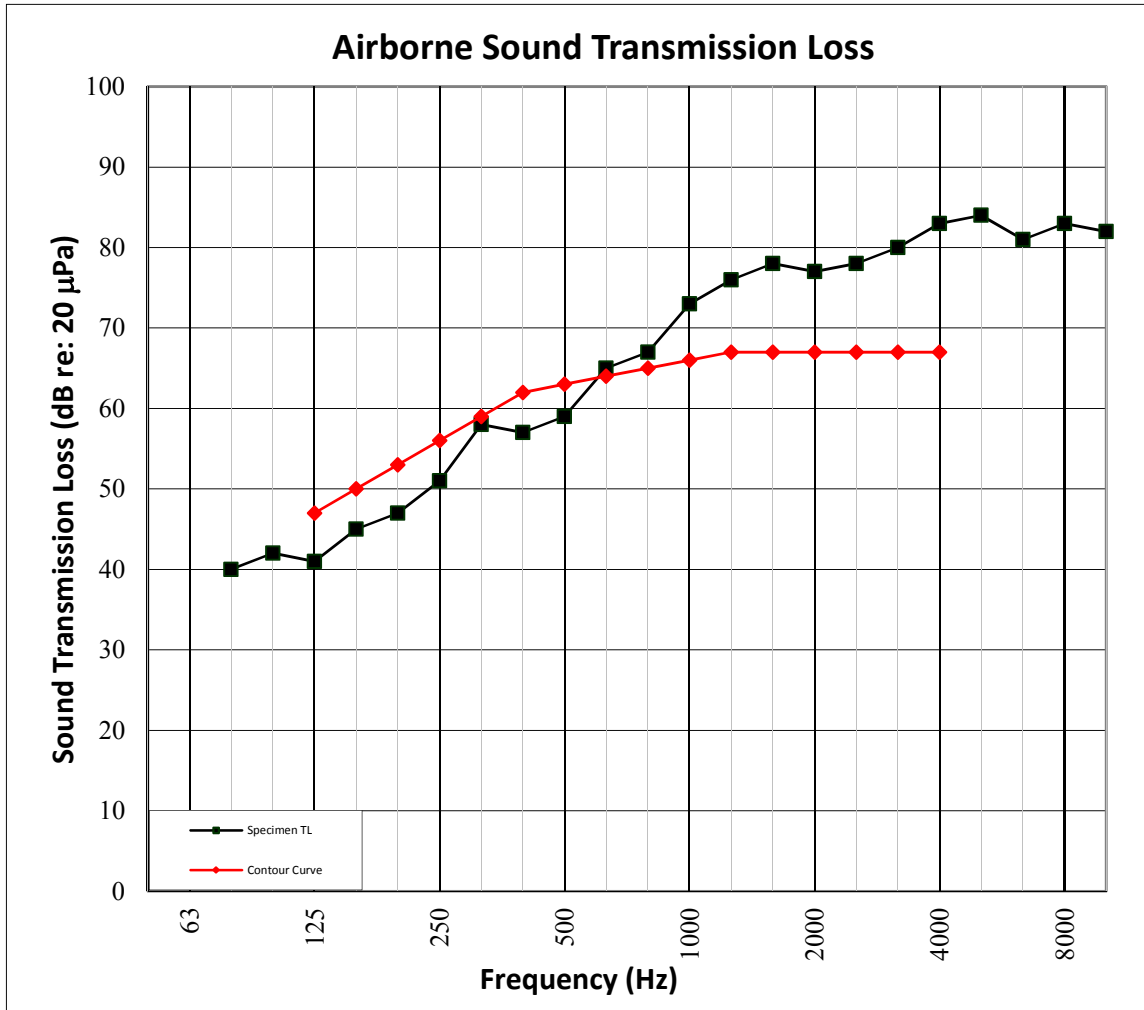
Date: 09/05/19

SECTION 11

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS GRAPH



TEST DATE	4/9/2018				
DATA FILE NO.	H4163.21				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	7.98 mm Daltile Ceramic Tile , 3.1 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 152.4 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.	20.6°C	Source Temp.	22.1°C
TECHNICIAN	LSH	Receive Humidity	50%	Source Humidity	48%



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SECTION 12

TEST RESULTS - IMPACT SOUND TRANSMISSION



TEST DATE	4/9/2018				
DATA FILE NO.	H4163.21				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	7.98 mm Daltile Ceramic Tile , 3.1 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 152.4 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.	20.6°C	Minimum Temp.	22.1°C
TECHNICIAN	LSH	Max. Humidity	50%	Min. Humidity	48%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	NORMALIZED IMPACT SPL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	19.7	7.3	51	1.8	-
100	19.2	5.7	52	0.8	2
125	22.5	5.3	51	1.1	1
160	14.2	5.1	52	1.1	2
200	10.8	6.3	52	0.5	2
250	9.6	6.5	53	0.6	3
315	5.9	7.5	54	0.5	4
400	6.1	7.3	56	0.5	7
500	7.8	6.3	53	0.2	5
630	3.0	6.1	49	0.3	2
800	1.6	6.3	42	0.2	0
1000	2.5	6.1	37	0.3	0
1250	2.2	6.3	35	0.3	0
1600	1.9	6.7	33	0.3	0
2000	2.6	7.4	31	0.3	0
2500	3.7	8.4	30	0.3	0
3150	4.5	9.2	24	0.4	0
4000	5.0	10.9	18	0.5	-
5000	5.6	13.5	16	0.4	-
6300	6.3	17.6	12	0.3	-
8000	6.8	23.5	9	0.2	-
10000	6.8	29.7	10	0.3	-
IIC Rating	62	<i>(Impact Insulation Class)</i>		Sum of Deficiencies	28

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	4/9/2018				
DATA FILE NO.	H4163.21				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	7.98 mm Daltile Ceramic Tile , 3.1 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 152.4 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.	20.6°C	Minimum Temp.	22.1°C
TECHNICIAN	LSH	Max. Humidity	50%	Min. Humidity	48%

