

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

Report No.: H4163.17-303-11-R0

Date: 09/05/19

SECTION 10

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	1/12/2018				
DATA FILE NO.	H4163.17				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 5 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.	21.1	Source Temp.	21.1
TECHNICIAN	LSH	Receive Humidity	45%	Source Humidity	45%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	SOURCE SPL (dB)	RECEIVE SPL (dB)	SPECIMEN TL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	24.8	7.8	100	61	40	2.3	-
100	22.5	6.6	104	66	40	3.3	-
125	22.2	5.3	102	63	42	1.0	2
160	16.8	5.5	102	58	46	1.0	1
200	11.6	6.3	101	57	47	0.8	3
250	11.3	6.6	98	50	51	1.0	2
315	11.5	7.4	101	48	55	0.5	1
400	9.0	7.2	100	51	51	1.3	8
500	6.8	6.2	100	46	56	0.5	4
630	5.2	6.3	96	35	63	0.5	0
800	4.4	6.3	95	30	68	0.4	0
1000	4.7	6.2	96	27	72	0.5	0
1250	2.3	6.3	99	27	75	0.4	0
1600	1.9	6.5	98	24	77	0.3	0
2000	3.2	7.5	99	24	77	0.3	0
2500	3.9	8.3	100	23	78	0.2	0
3150	5.6	9.0	100	21	80	0.3	0
4000	4.9	10.3	99	17	83	0.3	0
5000	5.2	12.3	97	12	84	0.3	-
6300	5.8	15.8	95	12	82	0.6	-
8000	6.2	20.7	95	10	83	0.6	-
10000	6.4	26.1	95	8	83	0.4	-
STC Rating	60	<i>(Sound Transmission Class)</i>			Sum of Deficiencies	21	

- 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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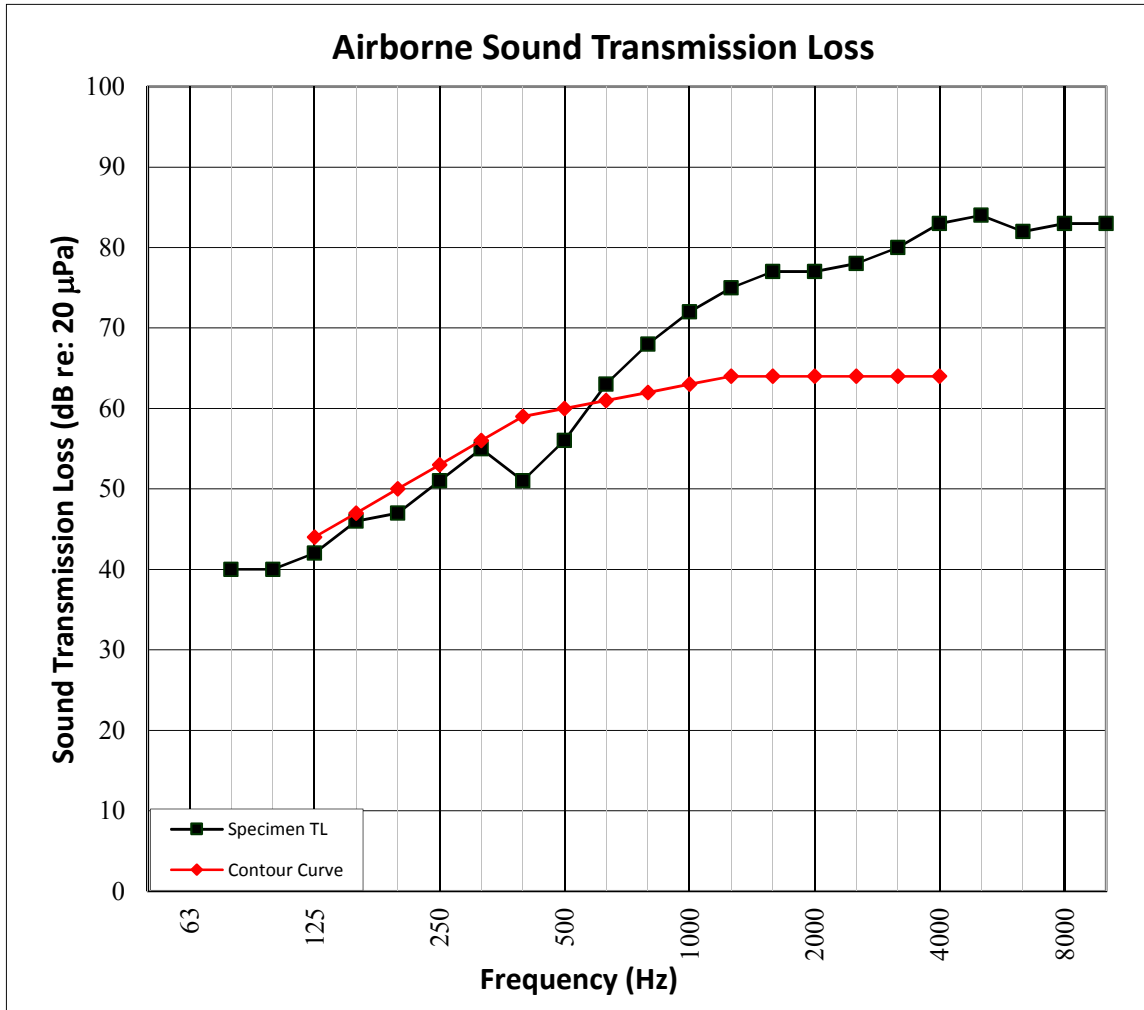
Date: 09/05/19

SECTION 11

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS GRAPH



TEST DATE	1/12/2018				
DATA FILE NO.	H4163.17				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 5 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.	21.1	Source Temp.	21.1
TECHNICIAN	LSH	Receive Humidity	45%	Source Humidity	45%



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SECTION 12

TEST RESULTS - IMPACT SOUND TRANSMISSION



TEST DATE	1/12/2018				
DATA FILE NO.	H4163.17				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 5 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.	21.1	Minimum Temp.	21.1
TECHNICIAN	LSH	Max. Humidity	45%	Min. Humidity	45%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	NORMALIZED IMPACT SPL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	21.9	7.8	58	2.3	-
100	21.3	6.7	54	1.9	8
125	22.2	5.3	53	1.1	7
160	15.7	5.5	50	0.9	4
200	9.7	6.5	50	0.9	4
250	8.9	6.8	50	0.9	4
315	5.9	7.4	46	0.5	0
400	4.6	7.2	47	0.5	2
500	5.9	6.3	43	0.4	0
630	4.5	6.3	39	0.3	0
800	3.8	6.4	27	0.2	0
1000	4.0	6.2	21	0.3	0
1250	2.1	6.3	16	0.3	0
1600	1.9	6.6	11	0.2	0
2000	2.9	7.5	12	0.2	0
2500	3.6	8.2	12	0.3	0
3150	5.2	9.0	6	0.3	0
4000	4.8	10.2	4	0.4	-
5000	5.2	12.3	4	0.5	-
6300	5.7	15.7	6	0.5	-
8000	6.2	20.9	7	0.4	-
10000	6.4	26.3	9	0.2	-
IIC Rating	66	<i>(Impact Insulation Class)</i>		Sum of Deficiencies	29

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



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DATA FILE NO.	H4163.17				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 5 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.	21.1	Minimum Temp.	21.1
TECHNICIAN	LSH	Max. Humidity	45%	Min. Humidity	45%

