

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

Report No.: H4163.33-303-11-R0

Date: 09/05/19

SECTION 10

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	4/4/2018				
DATA FILE NO.	H4163.33				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	7.98 mm Daltile Ceramic Tile, 3.12 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Receive Temp.	19.8°C	Source Temp.	19.1°C
TECHNICIAN	LSH	Receive Humidity	55%	Source Humidity	49%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	SOURCE SPL (dB)	RECEIVE SPL (dB)	SPECIMEN TL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	30.5	5.5	101	64	39	2.7	-
100	26.8	6.2	103	71	35	3.4	-
125	26.9	4.4	102	69	37	1.5	2
160	19.7	5.1	102	66	40	0.9	2
200	14.3	6.4	101	64	39	0.9	6
250	13.8	6.5	99	58	44	0.9	4
315	12.2	7.2	102	56	48	0.8	3
400	13.7	7.3	103	58	47	0.8	7
500	17.1	6.2	101	52	52	0.5	3
630	9.4	6.2	97	45	54	0.5	2
800	7.0	6.2	96	43	56	0.4	1
1000	7.9	6.2	97	40	60	0.3	0
1250	4.8	6.4	99	40	62	0.4	0
1600	5.3	6.7	99	37	64	0.3	0
2000	6.9	7.4	100	33	68	0.4	0
2500	8.3	8.1	100	30	71	0.2	0
3150	9.4	9.1	100	27	74	0.4	0
4000	7.9	10.7	99	21	78	0.5	0
5000	6.5	13.0	96	16	80	0.5	-
6300	7.7	16.9	95	13	80	0.6	-
8000	9.4	22.4	94	11	81	0.5	-
10000	7.1	29.2	94	8	81	0.6	-
STC Rating	55	<i>(Sound Transmission Class)</i>			Sum of Deficiencies	30	

- 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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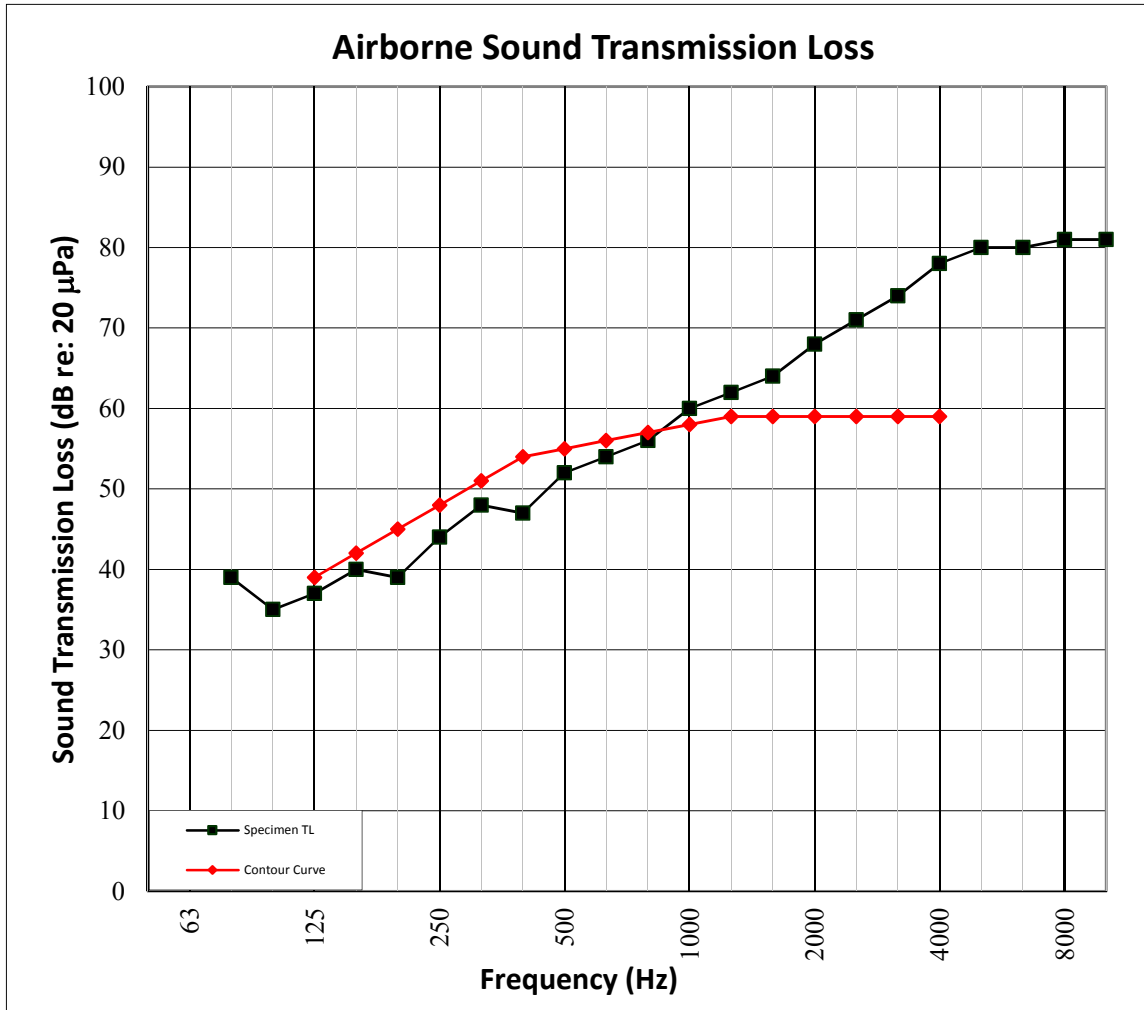
Date: 09/05/19

SECTION 11

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS GRAPH



TEST DATE	4/4/2018				
DATA FILE NO.	H4163.33				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	7.98 mm Daltile Ceramic Tile, 3.12 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Receive Temp.	19.8°C	Source Temp.	19.1°C
TECHNICIAN	LSH	Receive Humidity	55%	Source Humidity	49%



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SECTION 12

TEST RESULTS - IMPACT SOUND TRANSMISSION



TEST DATE	4/4/2018				
DATA FILE NO.	H4163.33				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	7.98 mm Daltile Ceramic Tile, 3.12 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	19.8°C	Minimum Temp.	19.1°C
TECHNICIAN	LSH	Max. Humidity	55%	Min. Humidity	49%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	NORMALIZED IMPACT SPL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	31.0	5.7	56	1.3	-
100	28.6	6.7	58	1.2	0
125	27.9	4.1	59	0.8	0
160	21.6	5.3	65	1.1	0
200	15.7	6.3	68	1.0	2
250	15.6	6.3	67	0.6	1
315	15.1	7.0	69	1.1	3
400	15.2	7.2	69	0.5	4
500	17.7	6.1	67	0.4	3
630	9.9	6.2	67	0.5	4
800	8.0	6.3	67	0.3	5
1000	8.7	6.0	65	0.4	4
1250	5.4	6.4	62	0.5	4
1600	5.8	6.6	56	0.6	1
2000	6.8	7.4	52	0.5	0
2500	8.1	8.2	48	0.5	0
3150	9.1	9.1	44	0.4	0
4000	8.0	10.7	41	0.7	-
5000	6.7	13.1	38	0.9	-
6300	6.9	17.0	35	0.8	-
8000	7.5	22.8	33	1.1	-
10000	7.0	29.4	30	1.4	-
IIC Rating	46	<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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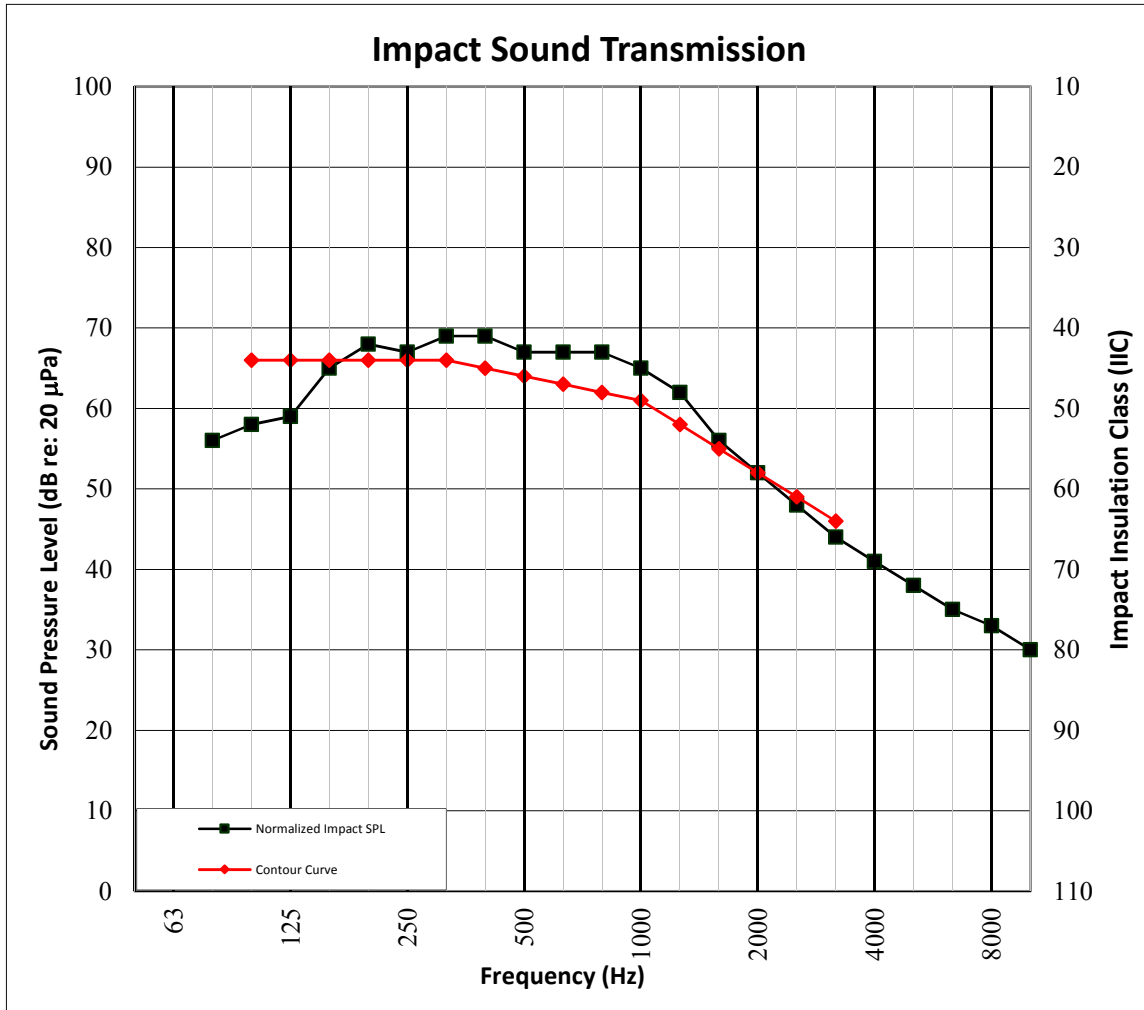
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SECTION 13

TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH



TEST DATE	4/4/2018				
DATA FILE NO.	H4163.33				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	7.98 mm Daltile Ceramic Tile, 3.12 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	19.8°C	Minimum Temp.	19.1°C
TECHNICIAN	LSH	Max. Humidity	55%	Min. Humidity	49%



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SECTION 14

TEST RESULTS - DELTA IMPACT INSULATION



TEST DATE	4/4/2018				
DATA FILE NO.	H4163.33				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	7.98 mm Daltile Ceramic Tile, 3.12 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	19.8°C	Minimum Temp.	19.1°C
TECHNICIAN	LSH	Max. Humidity	55%	Min. Humidity	49%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	NORMALIZED IMPACT SPL BARE (dB)	95% CONF LIMIT	NORMALIZED IMPACT SPL SPEC (dB)	95% CONF LIMIT	RESULT ARRAY L _{ref,c}	NUMBER OF DEFICIENCIES
100	28.6	6.7	59.5	1.3	58.0	1.5	65.0	0
125	27.9	4.1	62.9	0.9	59.1	1.0	64.0	0
160	21.6	5.3	65.6	1.5	65.5	1.4	68.0	1
200	15.7	6.3	67.4	0.7	67.6	1.3	69.0	2
250	15.6	6.3	68.0	0.7	67.2	0.8	68.0	1
315	15.1	7.0	68.7	0.9	68.5	1.4	69.0	2
400	15.2	7.2	69.6	0.4	68.9	0.7	69.0	3
500	17.7	6.1	68.1	0.6	66.9	0.5	69.0	4
630	9.9	6.2	69.9	0.5	67.5	0.6	69.0	5
800	8.0	6.3	71.6	0.4	66.9	0.4	67.0	4
1000	8.7	6.0	71.2	0.3	65.3	0.5	66.0	4
1250	5.4	6.4	72.3	0.4	61.9	0.6	62.0	3
1600	5.8	6.6	73.0	0.4	56.4	0.7	55.0	0
2000	6.8	7.4	73.2	0.3	52.2	0.7	51.0	0
2500	8.1	8.2	73.5	0.2	48.1	0.6	47.0	0
3150	9.1	9.1	73.9	0.4	43.6	0.5	42.0	0
ΔIIC Rating	17	<i>(Delta 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 15

TEST RESULTS - DELTA IMPACT INSULATION GRAPH



TEST DATE	4/4/2018				
DATA FILE NO.	H4163.33				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	7.98 mm Daltile Ceramic Tile, 3.12 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	19.8°C	Minimum Temp.	19.1°C
TECHNICIAN	LSH	Max. Humidity	55%	Min. Humidity	49%

