

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

Report No.: H4163.32-303-11-R0

Date: 09/05/19

SECTION 10

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	3/29/2018				
DATA FILE NO.	H4163.32				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	7.98 mm Daltile Ceramic Tile , 3.12 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Receive Temp.	19.4°C	Source Temp.	20.1°C
TECHNICIAN	LSH	Receive Humidity	54%	Source Humidity	52%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	SOURCE SPL (dB)	RECEIVE SPL (dB)	SPECIMEN TL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	26.5	5.9	102	62	43	2.6	-
100	25.6	6.3	104	70	37	2.4	-
125	22.5	4.3	102	68	38	1.7	2
160	16.4	5.1	101	65	39	1.1	4
200	13.2	6.1	99	59	43	1.2	3
250	12.9	6.4	98	54	46	1.1	3
315	12.9	7.3	103	57	48	1.1	4
400	9.2	7.1	103	55	50	0.7	5
500	6.2	6.2	100	51	51	0.5	5
630	4.2	6.4	96	42	56	0.5	1
800	1.6	6.2	96	41	58	0.9	0
1000	2.7	6.2	97	37	62	0.3	0
1250	1.5	6.4	99	36	65	0.3	0
1600	1.4	6.7	99	33	68	0.4	0
2000	2.1	7.5	99	30	71	0.3	0
2500	3.3	8.1	100	27	74	0.2	0
3150	4.5	9.0	99	23	77	0.3	0
4000	5.0	10.9	99	19	79	0.3	0
5000	5.4	13.3	96	14	82	0.3	-
6300	6.2	17.6	95	13	80	0.5	-
8000	6.7	23.3	95	11	81	0.9	-
10000	6.8	30.1	94	8	82	0.7	-
STC Rating	56	<i>(Sound Transmission Class)</i>			Sum of Deficiencies	27	

- 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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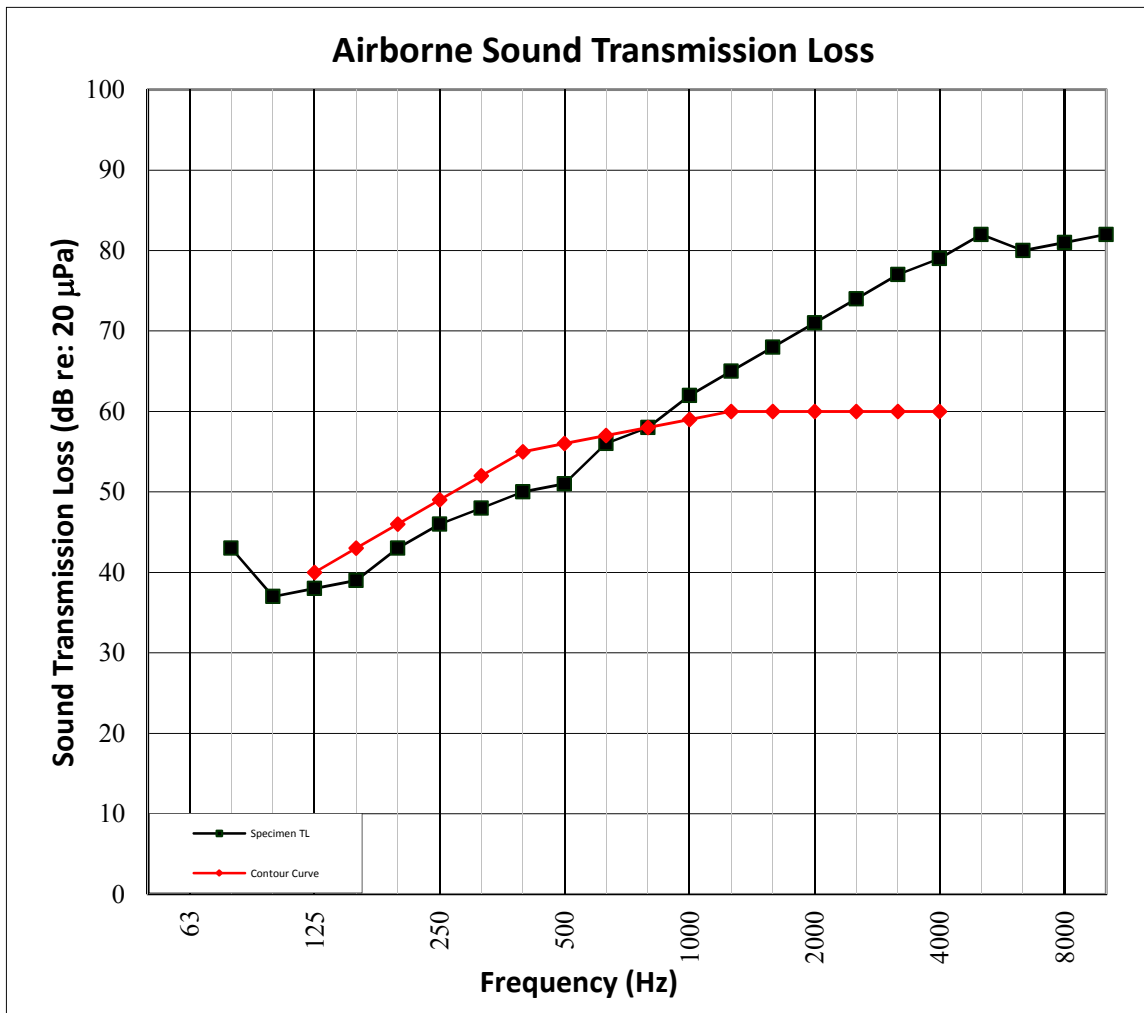
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SECTION 11

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS GRAPH



TEST DATE	3/29/2018				
DATA FILE NO.	H4163.32				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	7.98 mm Daltile Ceramic Tile , 3.12 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Receive Temp.	19.4°C	Source Temp.	20.1°C
TECHNICIAN	LSH	Receive Humidity	54%	Source Humidity	52%



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SECTION 12

TEST RESULTS - IMPACT SOUND TRANSMISSION



TEST DATE	3/29/2018				
DATA FILE NO.	H4163.32				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	7.98 mm Daltile Ceramic Tile , 3.12 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	19.4°C	Minimum Temp.	20.1°C
TECHNICIAN	LSH	Max. Humidity	54%	Min. Humidity	52%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	NORMALIZED IMPACT SPL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	26.6	5.5	53	1.7	-
100	25.3	6.2	54	1.2	0
125	24.8	4.2	59	1.0	0
160	18.4	5.3	61	1.3	0
200	12.5	6.0	65	1.1	3
250	14.6	6.5	64	1.0	2
315	18.0	7.6	65	0.6	3
400	15.2	7.5	62	0.4	1
500	9.6	6.0	66	0.5	6
630	8.9	6.3	63	0.5	4
800	5.0	6.2	61	0.5	3
1000	8.2	6.2	56	0.3	0
1250	5.6	6.3	54	0.4	0
1600	4.3	6.7	52	0.2	1
2000	5.5	7.4	48	0.4	0
2500	7.0	8.3	44	0.6	0
3150	8.9	9.1	40	0.5	0
4000	7.5	11.0	37	0.6	-
5000	6.5	13.4	34	0.8	-
6300	6.9	17.4	31	0.9	-
8000	7.9	23.2	26	1.0	-
10000	6.9	30.1	28	1.9	-
IIC Rating	50	<i>(Impact Insulation Class)</i>		Sum of Deficiencies	23

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

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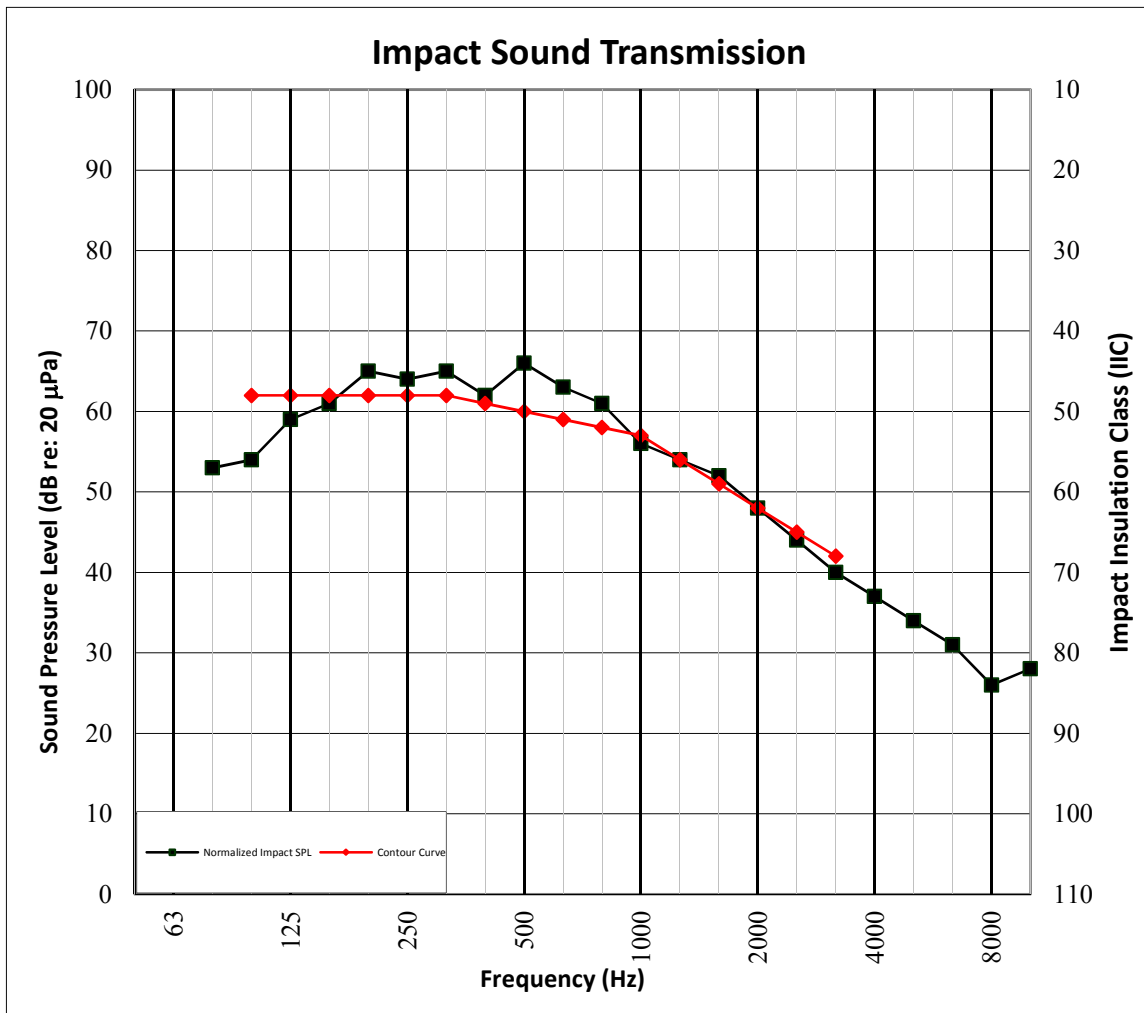
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SECTION 13

TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH



TEST DATE	3/29/2018				
DATA FILE NO.	H4163.32				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	7.98 mm Daltile Ceramic Tile , 3.12 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	19.4°C	Minimum Temp.	20.1°C
TECHNICIAN	LSH	Max. Humidity	54%	Min. Humidity	52%



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SECTION 14

TEST RESULTS - DELTA IMPACT INSULATION



TEST DATE	3/29/2018				
DATA FILE NO.	H4163.32				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	7.98 mm Daltile Ceramic Tile , 3.12 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	19.4°C	Minimum Temp.	20.1°C
TECHNICIAN	LSH	Max. Humidity	54%	Min. Humidity	52%

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	25.3	6.2	54.8	1.8	53.9	1.5	66.0	0
125	24.8	4.2	59.7	1.0	59.4	1.3	67.0	1
160	18.4	5.3	62.8	2.0	60.9	1.6	66.0	0
200	12.5	6.0	65.3	1.1	64.8	1.3	68.0	2
250	14.6	6.5	64.4	0.7	64.1	1.2	69.0	3
315	18.0	7.6	67.2	1.0	64.7	0.7	67.0	1
400	15.2	7.5	63.8	0.6	62.4	0.5	69.0	4
500	9.6	6.0	67.5	0.6	65.7	0.7	69.0	5
630	8.9	6.3	64.9	0.4	62.6	0.6	69.0	6
800	5.0	6.2	68.1	0.7	61.4	0.6	65.0	3
1000	8.2	6.2	67.6	0.4	56.3	0.4	61.0	0
1250	5.6	6.3	68.8	0.6	54.4	0.5	58.0	0
1600	4.3	6.7	69.8	0.3	51.8	0.3	54.0	0
2000	5.5	7.4	70.4	0.5	47.7	0.6	49.0	0
2500	7.0	8.3	70.7	0.4	44.0	0.7	45.0	0
3150	8.9	9.1	71.4	0.5	40.2	0.6	41.0	0
ΔIIC Rating	18	<i>(Delta Impact Insulation Class)</i>			Sum of Deficiencies		25	

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	3/29/2018				
DATA FILE NO.	H4163.32				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	7.98 mm Daltile Ceramic Tile , 3.12 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	19.4°C	Minimum Temp.	20.1°C
TECHNICIAN	LSH	Max. Humidity	54%	Min. Humidity	52%

