

TEST REPORT FOR U.S. RUBBER RECYCLING INC.

Report No.: H4163.02-303-11-R0

Date: 09/05/19

SECTION 10

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	10/16/2017				
DATA FILE NO.	H4163.02				
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				
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	26.6	5.9	103	62	43	2.2	-
100	26.8	6.2	105	66	41	2.6	-
125	28.7	4.3	102	69	38	1.1	2
160	16.8	5.3	100	65	38	0.7	5
200	12.2	6.4	100	60	42	0.8	4
250	11.9	6.5	99	56	45	1.0	4
315	8.4	7.4	102	57	47	0.9	5
400	8.7	7.1	103	53	51	1.0	4
500	11.2	6.2	101	50	54	0.7	2
630	5.4	6.2	97	41	58	0.6	0
800	4.1	6.4	97	41	58	0.5	0
1000	4.7	6.2	97	37	63	0.4	0
1250	2.6	6.4	98	35	66	0.4	0
1600	2.7	6.8	99	30	71	0.4	0
2000	3.3	7.8	99	26	74	0.4	0
2500	3.8	9.1	99	24	77	0.4	0
3150	4.6	10.3	99	20	80	0.4	0
4000	4.8	12.7	98	15	82	0.4	0
5000	5.1	16.2	95	9	85	1.0	-
6300	5.7	22.2	94	9	82	1.1	-
8000	6.1	30.1	94	7	82	1.3	-
10000	6.3	39.1	93	6	81	1.1	-
STC Rating	56	<i>(Sound Transmission Class)</i>			Sum of Deficiencies	26	

- 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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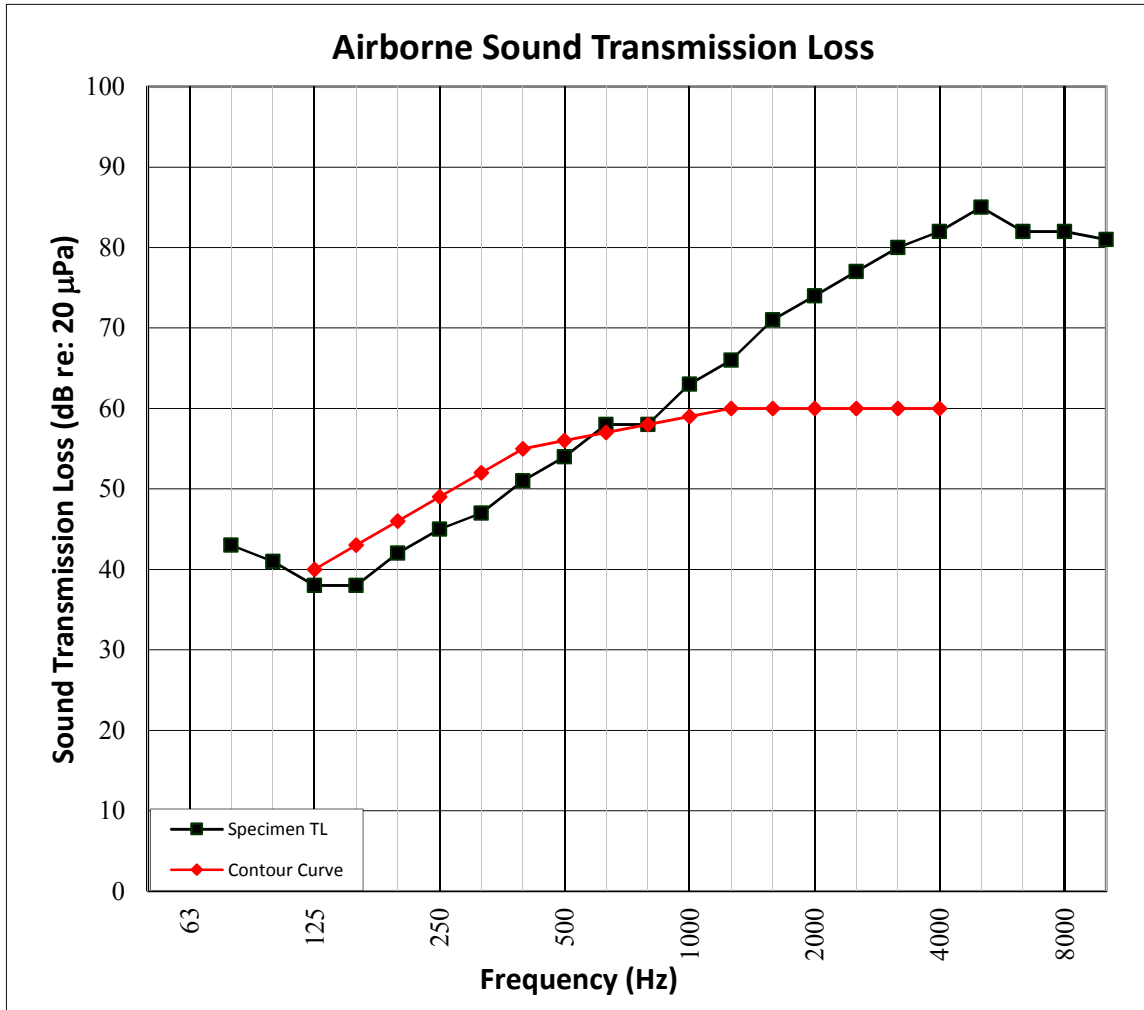
Date: 09/05/19

SECTION 11

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS GRAPH



TEST DATE	10/16/2017				
DATA FILE NO.	H4163.02				
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				
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	10/16/2017				
DATA FILE NO.	H4163.02				
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				
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	28.2	5.9	50	3.2	-
100	28.3	6.4	52	1.7	0
125	29.9	4.7	54	1.0	0
160	21.8	5.3	61	1.5	0
200	14.4	6.3	64	0.8	3
250	12.6	6.7	63	0.9	2
315	9.7	7.3	65	0.6	4
400	9.2	7.1	62	0.7	2
500	12.4	6.3	64	0.4	5
630	5.9	6.2	63	0.3	5
800	4.9	6.3	63	0.3	6
1000	5.6	6.2	58	0.2	2
1250	3.2	6.4	53	0.4	0
1600	3.5	6.8	49	0.2	0
2000	4.0	7.9	45	0.3	0
2500	4.3	9.1	41	0.4	0
3150	5.1	10.4	37	0.3	0
4000	5.0	12.8	35	0.6	-
5000	5.2	16.1	31	0.9	-
6300	5.7	22.3	27	1.1	-
8000	6.1	30.3	26	1.6	-
10000	6.3	38.6	28	2.6	-
IIC Rating	51	<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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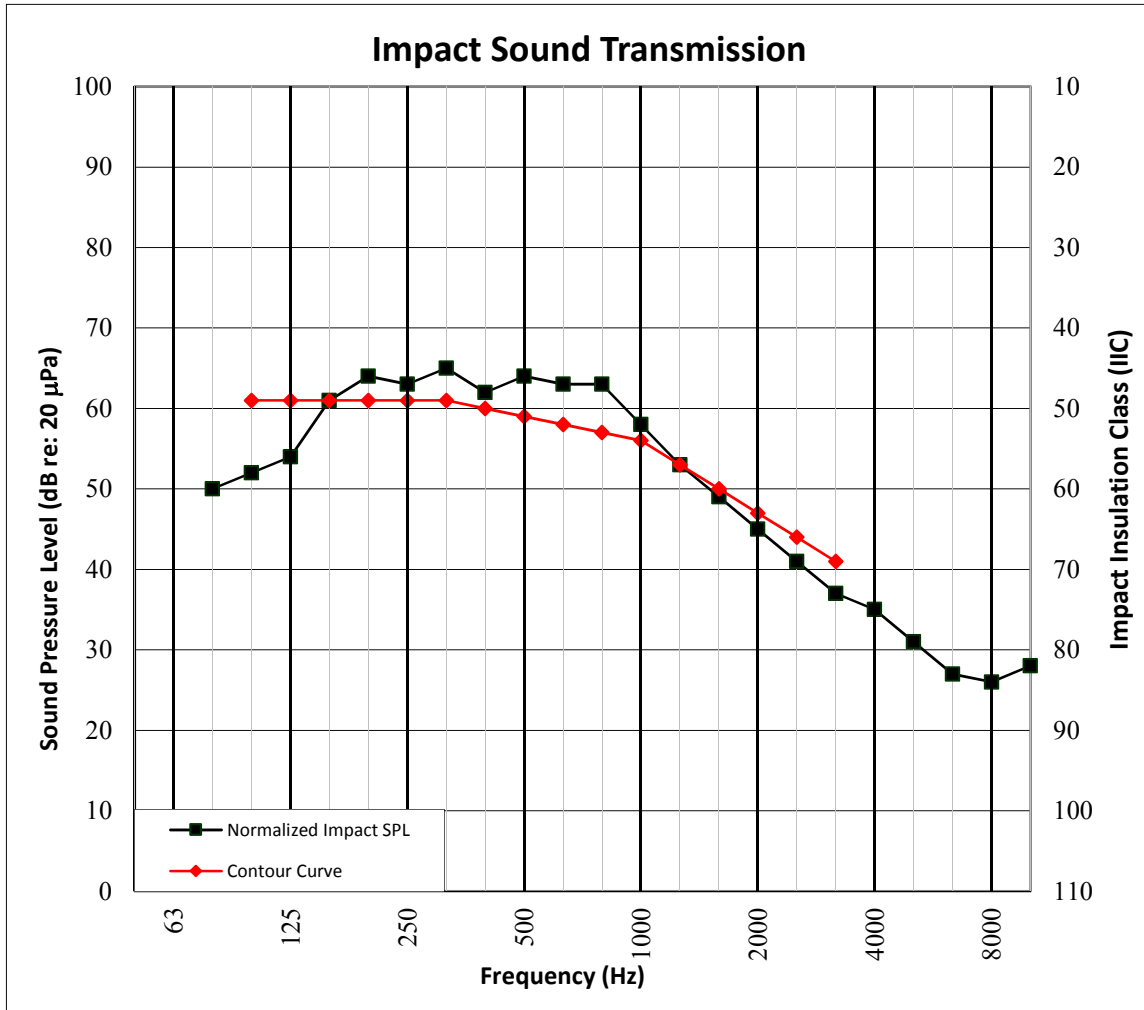
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SECTION 13

TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH



TEST DATE	10/16/2017				
DATA FILE NO.	H4163.02				
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				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	23.9°C	Minimum Temp.	23°C
TECHNICIAN	LSH	Max. Humidity	76%	Min. Humidity	72%



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SECTION 14

TEST RESULTS - DELTA IMPACT INSULATION



TEST DATE	10/16/2017				
DATA FILE NO.	H4163.02				
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				
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 BARE (dB)	95% CONF LIMIT	NORMALIZED IMPACT SPL SPEC (dB)	95% CONF LIMIT	RESULT ARRAY L _{ref,c}	NUMBER OF DEFICIENCIES
100	28.3	6.4	55.5	1.4	52.4	2.1	64.0	0
125	29.9	4.7	60.6	1.3	54.4	1.3	61.0	0
160	21.8	5.3	61.7	1.0	61.1	1.8	67.0	2
200	14.4	6.3	66.8	0.8	64.3	1.0	66.0	1
250	12.6	6.7	66.3	0.8	63.4	1.2	66.0	1
315	9.7	7.3	67.2	1.2	64.6	0.7	67.0	2
400	9.2	7.1	63.7	0.7	62.0	0.8	68.0	4
500	12.4	6.3	67.7	0.6	64.0	0.5	67.0	4
630	5.9	6.2	65.5	0.5	63.2	0.4	69.0	7
800	4.9	6.3	67.0	0.5	62.6	0.3	67.0	6
1000	5.6	6.2	65.6	0.4	58.0	0.3	64.0	4
1250	3.2	6.4	68.6	0.5	52.8	0.5	56.0	0
1600	3.5	6.8	69.8	0.4	48.7	0.3	51.0	0
2000	4.0	7.9	70.0	0.4	45.0	0.4	47.0	0
2500	4.3	9.1	70.8	0.3	40.8	0.5	42.0	0
3150	5.1	10.4	71.5	0.5	37.1	0.4	38.0	0
ΔIIC Rating	19	<i>(Delta 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 15

TEST RESULTS - DELTA IMPACT INSULATION GRAPH



TEST DATE	10/16/2017				
DATA FILE NO.	H4163.02				
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				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	23.9°C	Minimum Temp.	23°C
TECHNICIAN	LSH	Max. Humidity	76%	Min. Humidity	72%

