

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

Report No.: H4163.10-303-11-R0

Date: 09/05/19

### SECTION 10

### TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS



<b>TEST DATE</b>	12/15/2017				
<b>DATA FILE NO.</b>	H4163.10				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	8 mm Daltile Ceramic Floor Tile , 3.2 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
<b>SPECIMEN AREA</b>	11.15 m <sup>2</sup>	<b>Receive Temp.</b>	21.1	<b>Source Temp.</b>	21.1
<b>TECHNICIAN</b>	LSH	<b>Receive Humidity</b>	45%	<b>Source Humidity</b>	45%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m <sup>2</sup>	SOURCE SPL (dB)	RECEIVE SPL (dB)	SPECIMEN TL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	33.3	6.2	101	63	41	2.9	-
100	34.8	7.3	104	68	37	3.0	-
125	28.0	4.8	102	69	37	1.3	4
160	23.7	5.2	101	65	40	0.9	4
200	18.3	6.2	101	60	44	0.7	3
250	14.6	6.7	99	55	46	0.5	4
315	16.4	7.3	102	56	47	0.7	6
400	15.8	7.1	102	53	51	0.7	5
500	11.9	6.2	101	49	54	0.4	3
630	6.8	6.1	97	41	59	0.5	0
800	5.0	6.3	97	40	59	0.4	0
1000	5.8	6.2	97	37	62	0.4	0
1250	4.2	6.3	98	37	64	0.3	0
1600	4.4	6.8	99	34	67	0.3	0
2000	3.8	7.7	99	30	70	0.4	0
2500	4.5	8.7	99	27	74	0.5	0
3150	4.7	9.8	99	22	78	0.4	0
4000	4.7	11.9	98	18	80	0.3	0
5000	5.1	15.2	96	11	83	0.4	-
6300	5.8	20.1	94	10	81	0.5	-
8000	6.3	27.1	94	8	82	0.4	-
10000	6.4	35.1	93	7	81	0.5	-
<b>STC Rating</b>	<b>57</b>	<i>(Sound Transmission Class)</i>			<b>Sum of Deficiencies</b>	<b>29</b>	

- 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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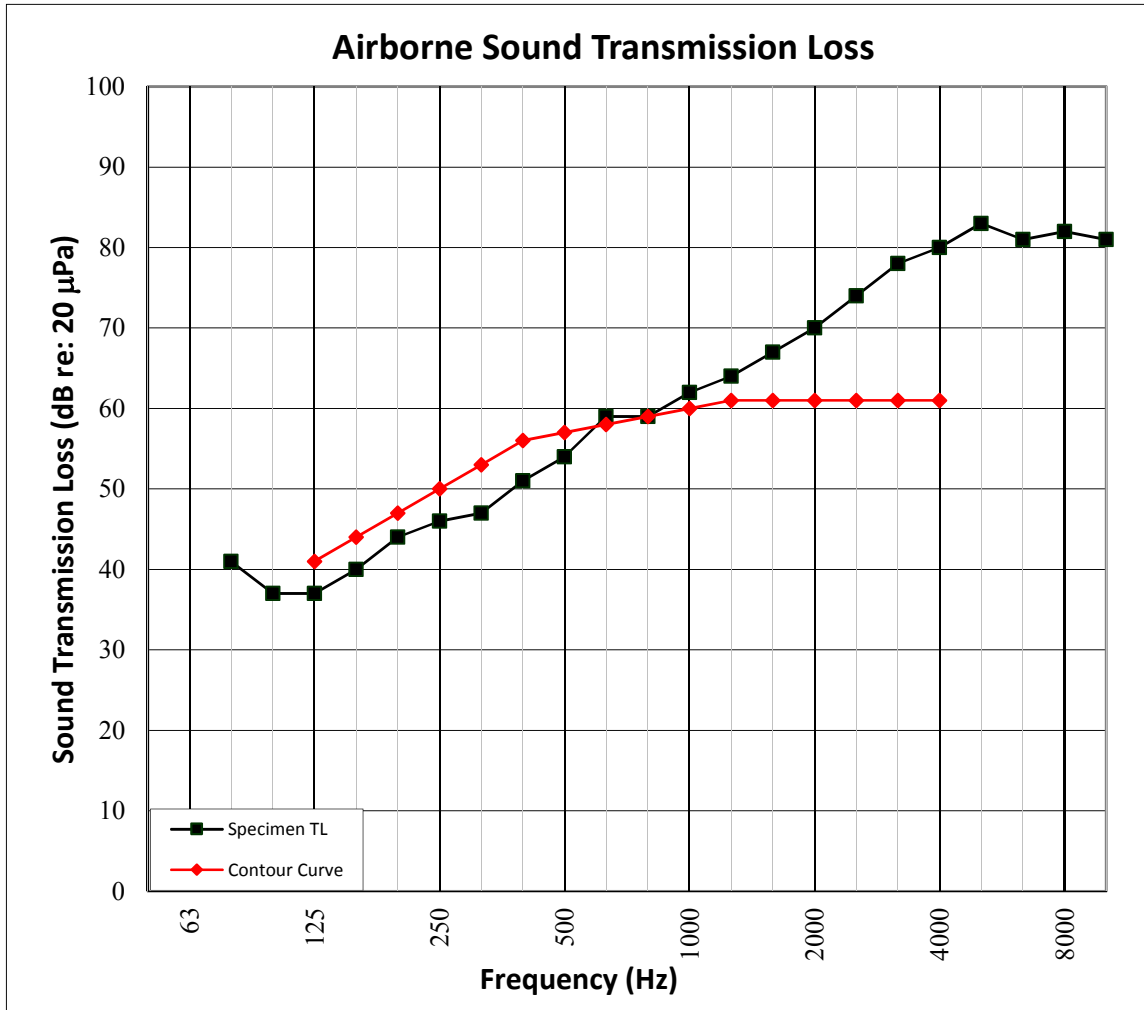
Date: 09/05/19

**SECTION 11**

**TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS GRAPH**



<b>TEST DATE</b>	12/15/2017				
<b>DATA FILE NO.</b>	H4163.10				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	8 mm Daltile Ceramic Floor Tile , 3.2 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
<b>SPECIMEN AREA</b>	11.15 m <sup>2</sup>	<b>Receive Temp.</b>	21.1	<b>Source Temp.</b>	21.1
<b>TECHNICIAN</b>	LSH	<b>Receive Humidity</b>	45%	<b>Source Humidity</b>	45%



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### SECTION 12

#### TEST RESULTS - IMPACT SOUND TRANSMISSION



<b>TEST DATE</b>	12/15/2017				
<b>DATA FILE NO.</b>	H4163.10				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	8 mm Daltile Ceramic Floor Tile , 3.2 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
<b>SPECIMEN AREA</b>	11.15 m <sup>2</sup>	<b>Maximum Temp.</b>	21.1	<b>Minimum Temp.</b>	21.1
<b>TECHNICIAN</b>	LSH	<b>Max. Humidity</b>	45%	<b>Min. Humidity</b>	45%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m <sup>2</sup>	NORMALIZED IMPACT SPL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	23.3	6.2	53	2.3	-
100	27.4	6.4	55	1.0	0
125	26.4	4.0	57	0.9	0
160	19.9	5.4	61	0.8	0
200	15.4	6.2	65	0.5	2
250	13.0	7.1	64	0.9	1
315	10.7	7.6	65	0.7	2
400	12.5	7.1	62	0.4	0
500	12.1	6.2	66	0.4	5
630	6.5	6.2	63	0.4	3
800	5.0	6.2	65	0.5	6
1000	4.9	6.3	61	0.3	3
1250	3.5	6.3	58	0.4	3
1600	3.5	6.7	52	0.4	0
2000	3.8	7.6	48	0.4	0
2500	4.6	8.7	44	0.4	0
3150	5.3	9.7	40	0.4	0
4000	5.1	11.8	38	0.7	-
5000	5.2	15.2	35	0.9	-
6300	5.7	20.5	31	0.9	-
8000	6.1	27.4	31	1.7	-
10000	6.4	35.1	32	2.4	-
<b>IIC Rating</b>	<b>49</b>	<i>(Impact Insulation Class)</i>		<b>Sum of Deficiencies</b>	<b>25</b>

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

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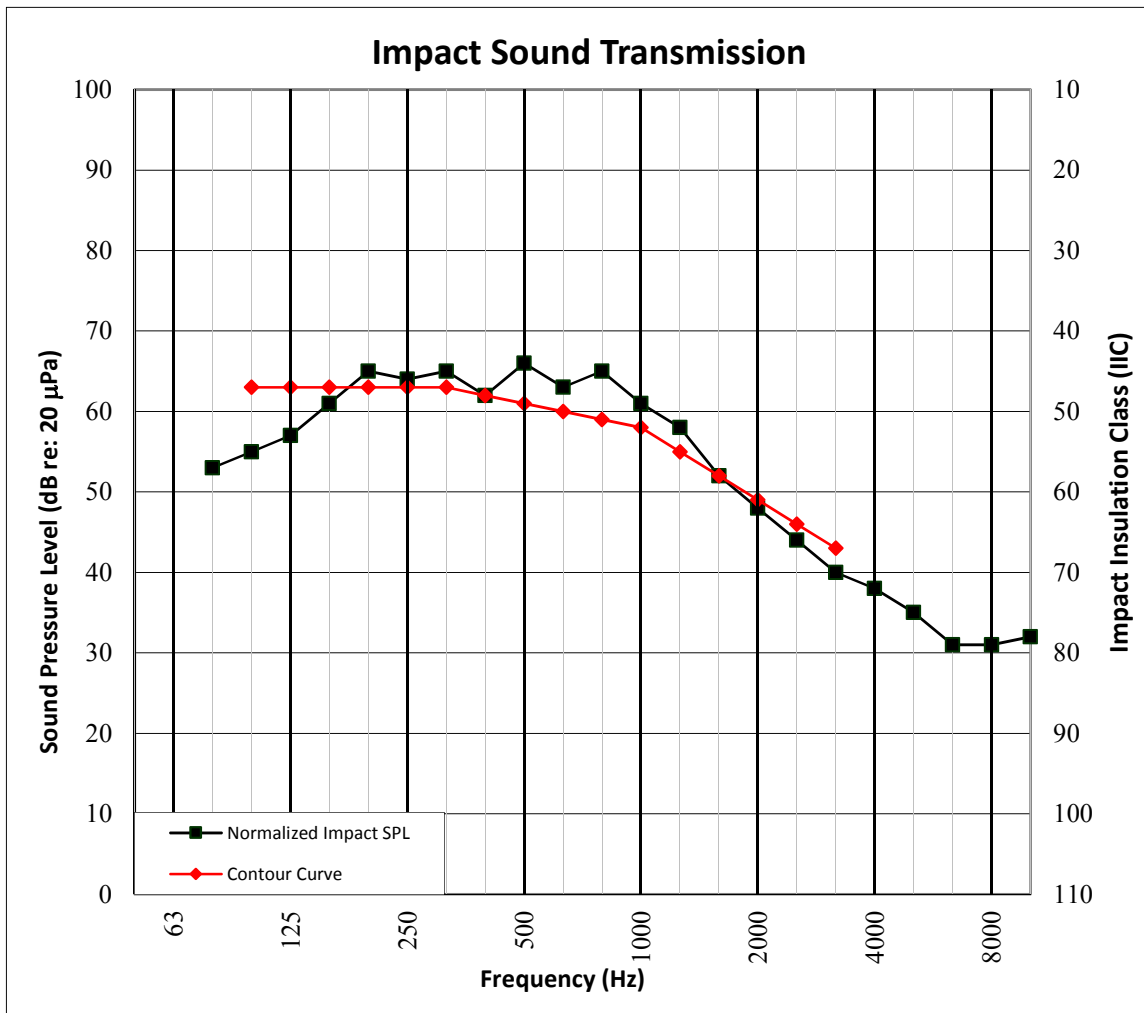
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### SECTION 13

### TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH



<b>TEST DATE</b>	12/15/2017				
<b>DATA FILE NO.</b>	H4163.10				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	8 mm Daltile Ceramic Floor Tile , 3.2 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
<b>SPECIMEN AREA</b>	11.15 m <sup>2</sup>	<b>Maximum Temp.</b>	21.1	<b>Minimum Temp.</b>	21.1
<b>TECHNICIAN</b>	LSH	<b>Max. Humidity</b>	45%	<b>Min. Humidity</b>	45%



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### SECTION 14

#### TEST RESULTS - DELTA IMPACT INSULATION



<b>TEST DATE</b>	12/15/2017				
<b>DATA FILE NO.</b>	H4163.10				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	8 mm Daltile Ceramic Floor Tile , 3.2 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
<b>SPECIMEN AREA</b>	11.15 m <sup>2</sup>	<b>Maximum Temp.</b>	21.1	<b>Minimum Temp.</b>	21.1
<b>TECHNICIAN</b>	LSH	<b>Max. Humidity</b>	45%	<b>Min. Humidity</b>	45%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m <sup>2</sup>	NORMALIZED IMPACT SPL BARE (dB)	95% CONF LIMIT	NORMALIZED IMPACT SPL SPEC (dB)	95% CONF LIMIT	RESULT ARRAY L <sub>ref,c</sub>	NUMBER OF DEFICIENCIES
100	27.4	6.4	55.5	1.4	55.2	1.2	67.0	1
125	26.4	4.0	59.9	1.3	57.5	1.1	65.0	0
160	19.9	5.4	61.8	1.0	61.0	0.9	67.0	1
200	15.4	6.2	66.7	0.8	65.3	0.7	67.0	1
250	13.0	7.1	66.6	0.8	63.8	1.1	66.0	0
315	10.7	7.6	67.3	1.2	64.8	0.9	67.0	1
400	12.5	7.1	63.6	0.7	62.0	0.5	68.0	3
500	12.1	6.2	67.6	0.6	65.5	0.5	68.0	4
630	6.5	6.2	65.5	0.5	62.9	0.4	68.0	5
800	5.0	6.2	66.9	0.5	64.6	0.7	69.0	7
1000	4.9	6.3	65.7	0.4	61.1	0.3	67.0	6
1250	3.5	6.3	68.5	0.5	57.6	0.4	61.0	3
1600	3.5	6.7	69.7	0.4	51.8	0.5	54.0	0
2000	3.8	7.6	69.8	0.4	47.6	0.5	50.0	0
2500	4.6	8.7	70.6	0.3	44.5	0.5	46.0	0
3150	5.3	9.7	71.3	0.5	40.4	0.5	41.0	0
<b>ΔIIC Rating</b>	<b>18</b>	<i>(Delta Impact Insulation Class)</i>			<b>Sum of Deficiencies</b>		<b>32</b>	

**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



<b>TEST DATE</b>	12/15/2017				
<b>DATA FILE NO.</b>	H4163.10				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	8 mm Daltile Ceramic Floor Tile , 3.2 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
<b>SPECIMEN AREA</b>	11.15 m <sup>2</sup>	<b>Maximum Temp.</b>	21.1	<b>Minimum Temp.</b>	21.1
<b>TECHNICIAN</b>	LSH	<b>Max. Humidity</b>	45%	<b>Min. Humidity</b>	45%

