

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

Report No.: H4163.13-303-11-R1

Date: 09/05/19

**SECTION 10**

**TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS**



<b>TEST DATE</b>	11/8/2017				
<b>DATA FILE NO.</b>	H4163.13				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	15.3 mm Provenza Old World Engineered Wood Floor, 12.3 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>	18.2	<b>Source Temp.</b>	19.4
<b>TECHNICIAN</b>	LSH	<b>Receive Humidity</b>	28%	<b>Source Humidity</b>	52%

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	25.5	5.8	102	64	41	2.9	-
100	25.4	6.9	103	70	35	3.0	-
125	24.7	4.1	102	68	38	1.4	3
160	18.0	5.5	101	65	39	1.2	5
200	13.4	6.2	101	60	44	0.6	3
250	11.8	6.7	99	54	47	0.9	3
315	8.3	7.3	102	56	47	1.1	6
400	6.0	7.0	102	54	50	0.6	6
500	9.3	6.2	101	51	53	0.4	4
630	7.7	6.4	96	41	57	0.5	1
800	6.8	6.3	96	40	59	0.6	0
1000	8.7	6.1	97	38	61	0.4	0
1250	5.0	6.3	98	36	65	0.4	0
1600	5.2	6.7	99	32	69	0.4	0
2000	7.6	7.5	99	27	74	0.4	0
2500	8.8	8.3	100	25	77	0.3	0
3150	10.6	9.2	100	22	79	0.6	0
4000	11.2	10.9	99	19	81	1.4	0
5000	7.1	13.5	97	13	83	1.1	-
6300	6.6	17.3	95	12	82	0.6	-
8000	6.5	23.7	95	9	82	0.5	-
10000	6.4	30.3	94	8	82	0.5	-
<b>STC Rating</b>	<b>57</b>	<i>(Sound Transmission Class)</i>			<b>Sum of Deficiencies</b>	<b>31</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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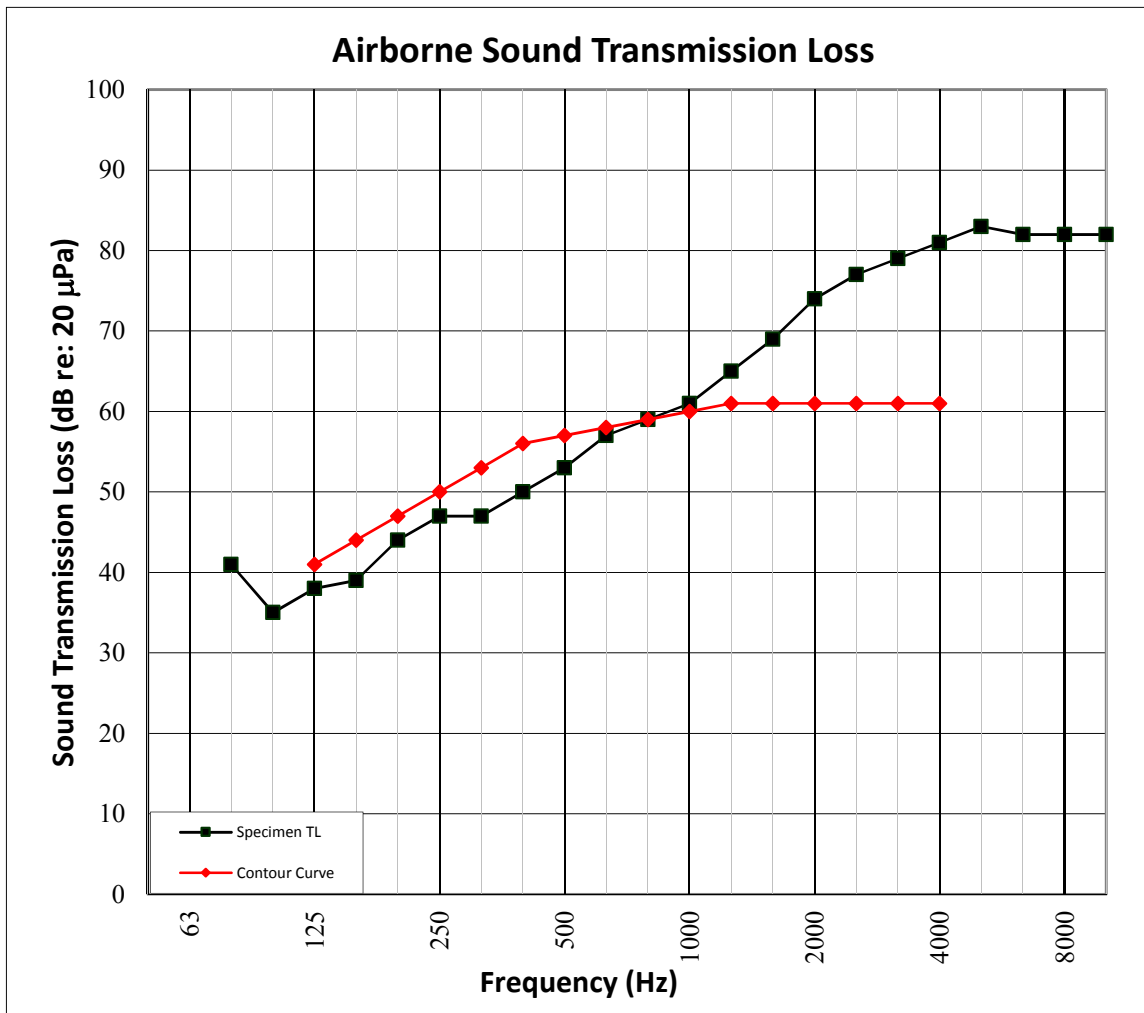
Date: 09/05/19

**SECTION 11**

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



<b>TEST DATE</b>	11/8/2017				
<b>DATA FILE NO.</b>	H4163.13				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	15.3 mm Provenza Old World Engineered Wood Floor, 12.3 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>	18.2	<b>Source Temp.</b>	19.4
<b>TECHNICIAN</b>	LSH	<b>Receive Humidity</b>	28%	<b>Source Humidity</b>	52%



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### SECTION 12

#### TEST RESULTS - IMPACT SOUND TRANSMISSION



<b>TEST DATE</b>	11/8/2017				
<b>DATA FILE NO.</b>	H4163.13				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	15.3 mm Provenza Old World Engineered Wood Floor, 12.3 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>	18.2	<b>Minimum Temp.</b>	19.4
<b>TECHNICIAN</b>	LSH	<b>Max. Humidity</b>	28%	<b>Min. Humidity</b>	52%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m <sup>2</sup>	NORMALIZED IMPACT SPL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	27.0	5.8	53	2.7	-
100	26.8	6.3	54	1.1	0
125	25.9	4.4	59	1.2	0
160	20.4	5.2	60	0.7	0
200	17.0	6.3	65	0.5	5
250	16.1	6.8	65	0.7	5
315	14.6	7.4	65	0.7	5
400	12.4	7.3	62	0.5	3
500	12.7	6.2	64	0.4	6
630	13.1	6.3	61	0.5	4
800	14.3	6.3	58	0.4	2
1000	19.1	6.2	52	0.3	0
1250	13.5	6.3	47	0.4	0
1600	11.9	6.6	44	0.3	0
2000	15.9	7.5	38	0.3	0
2500	15.8	8.3	33	0.3	0
3150	17.0	9.2	29	0.3	0
4000	15.1	11.0	26	0.7	-
5000	10.8	13.6	22	1.0	-
6300	9.5	17.5	17	1.0	-
8000	7.2	23.1	13	0.8	-
10000	6.6	30.0	14	1.4	-
<b>IIC Rating</b>	<b>52</b>	<i>(Impact Insulation Class)</i>		<b>Sum of Deficiencies</b>	<b>30</b>

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

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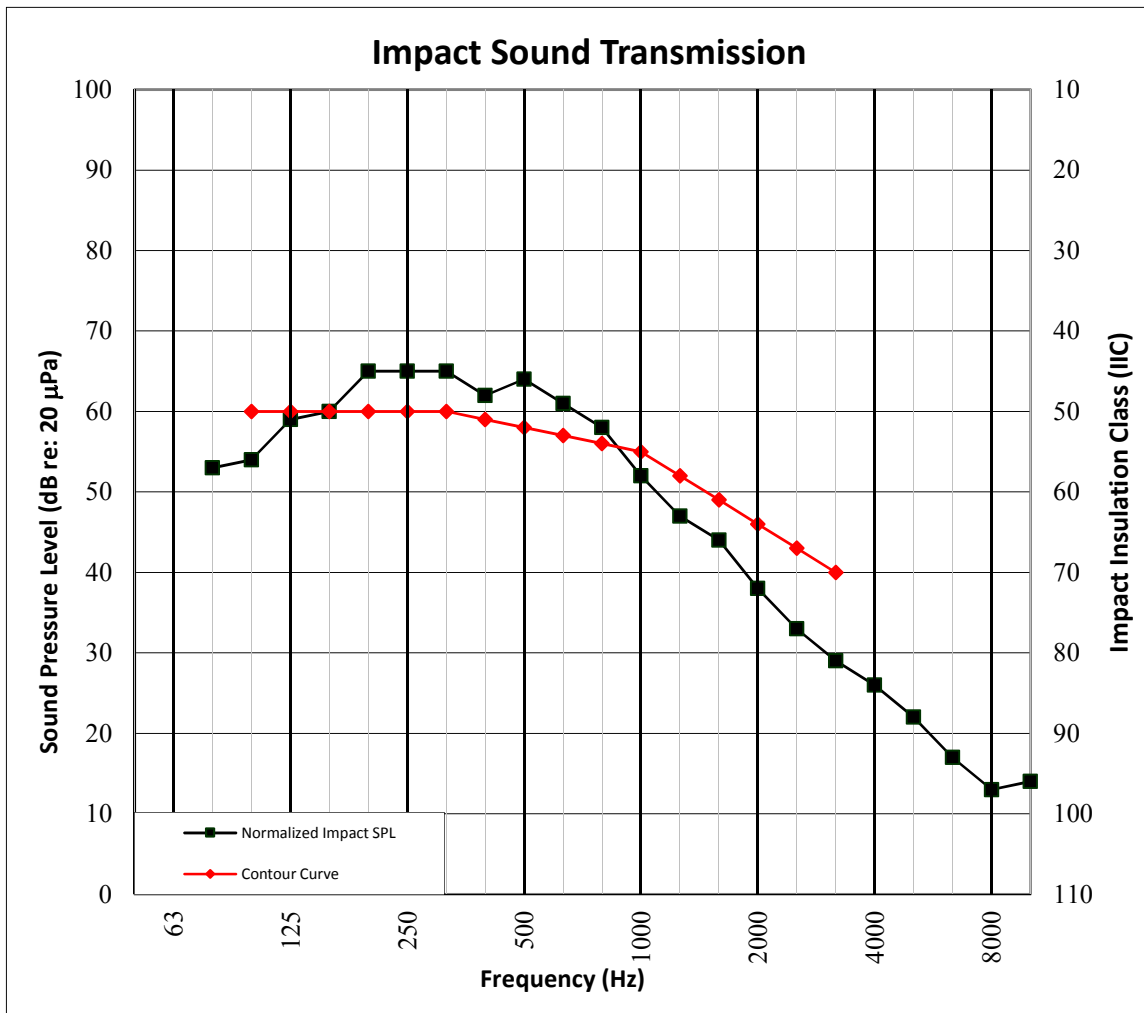
Date: 09/05/19

**SECTION 13**

**TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH**



<b>TEST DATE</b>	11/8/2017				
<b>DATA FILE NO.</b>	H4163.13				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	15.3 mm Provenza Old World Engineered Wood Floor, 12.3 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>	18.2	<b>Minimum Temp.</b>	19.4
<b>TECHNICIAN</b>	LSH	<b>Max. Humidity</b>	28%	<b>Min. Humidity</b>	52%



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<b>TEST DATE</b>	11/8/2017				
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<b>DESCRIPTION</b>	15.3 mm Provenza Old World Engineered Wood Floor, 12.3 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>	18.2	<b>Minimum Temp.</b>	19.4
<b>TECHNICIAN</b>	LSH	<b>Max. Humidity</b>	28%	<b>Min. Humidity</b>	52%

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	26.8	6.3	55.4	1.4	54.1	1.4	66.0	1
125	25.9	4.4	60.3	1.3	59.4	1.5	67.0	2
160	20.4	5.2	61.6	1.0	60.0	0.9	66.0	1
200	17.0	6.3	66.7	0.8	65.1	0.6	67.0	2
250	16.1	6.8	66.4	0.8	65.2	0.8	68.0	3
315	14.6	7.4	67.2	1.2	65.2	0.9	67.0	2
400	12.4	7.3	63.8	0.7	62.0	0.6	68.0	4
500	12.7	6.2	67.6	0.6	64.1	0.5	67.0	4
630	13.1	6.3	65.5	0.5	61.3	0.6	67.0	5
800	14.3	6.3	66.9	0.5	58.5	0.5	63.0	2
1000	19.1	6.2	65.6	0.4	52.0	0.4	58.0	0
1250	13.5	6.3	68.5	0.5	47.3	0.4	51.0	0
1600	11.9	6.6	69.6	0.4	44.3	0.4	47.0	0
2000	15.9	7.5	69.7	0.4	37.6	0.4	40.0	0
2500	15.8	8.3	70.4	0.3	33.0	0.4	35.0	0
3150	17.0	9.2	71.0	0.5	29.1	0.4	30.0	0
<b>ΔIIC Rating</b>	<b>19</b>	<i>(Delta Impact Insulation Class)</i>			<b>Sum of Deficiencies</b>		<b>26</b>	

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<b>SPECIMEN AREA</b>	11.15 m <sup>2</sup>	<b>Maximum Temp.</b>	18.2	<b>Minimum Temp.</b>	19.4
<b>TECHNICIAN</b>	LSH	<b>Max. Humidity</b>	28%	<b>Min. Humidity</b>	52%

