

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

Report No.: H4163.26-303-11-R0

Date: 09/05/19

### SECTION 10

### TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS



<b>TEST DATE</b>	3/26/2018				
<b>DATA FILE NO.</b>	H4163.26				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	15.3 mm Provenza Flooring Old World Hardwood Flooring, 10.05 mm U.S. Rubber Recycling, Inc. 10mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
<b>SPECIMEN AREA</b>	11.15 m <sup>2</sup>	<b>Receive Temp.</b>	19.1°C	<b>Source Temp.</b>	18.2°C
<b>TECHNICIAN</b>	LSH	<b>Receive Humidity</b>	43%	<b>Source Humidity</b>	42%

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	24.4	6.2	101	66	38	3.1	-
100	26.6	6.1	102	71	34	2.8	-
125	26.0	4.0	103	70	37	1.3	1
160	22.2	5.4	102	67	38	1.0	3
200	15.3	6.4	101	65	38	0.9	6
250	13.4	6.4	98	58	42	0.7	5
315	8.6	7.2	102	56	47	0.6	3
400	5.9	7.4	101	57	46	0.8	7
500	7.2	6.2	100	52	51	0.6	3
630	5.4	6.4	96	44	54	0.5	1
800	5.1	6.2	95	42	56	0.4	0
1000	6.5	6.2	96	40	59	0.4	0
1250	3.5	6.5	99	40	61	0.5	0
1600	2.4	6.9	98	36	65	0.3	0
2000	3.9	7.7	99	32	69	0.3	0
2500	4.3	8.6	100	27	73	0.3	0
3150	5.2	9.8	99	24	76	0.4	0
4000	4.8	12.2	98	19	79	0.4	0
5000	5.0	15.2	96	12	82	0.4	-
6300	5.5	20.3	94	11	81	0.6	-
8000	6.0	28.1	94	8	82	0.6	-
10000	6.2	36.3	93	7	81	0.6	-
<b>STC Rating</b>	<b>54</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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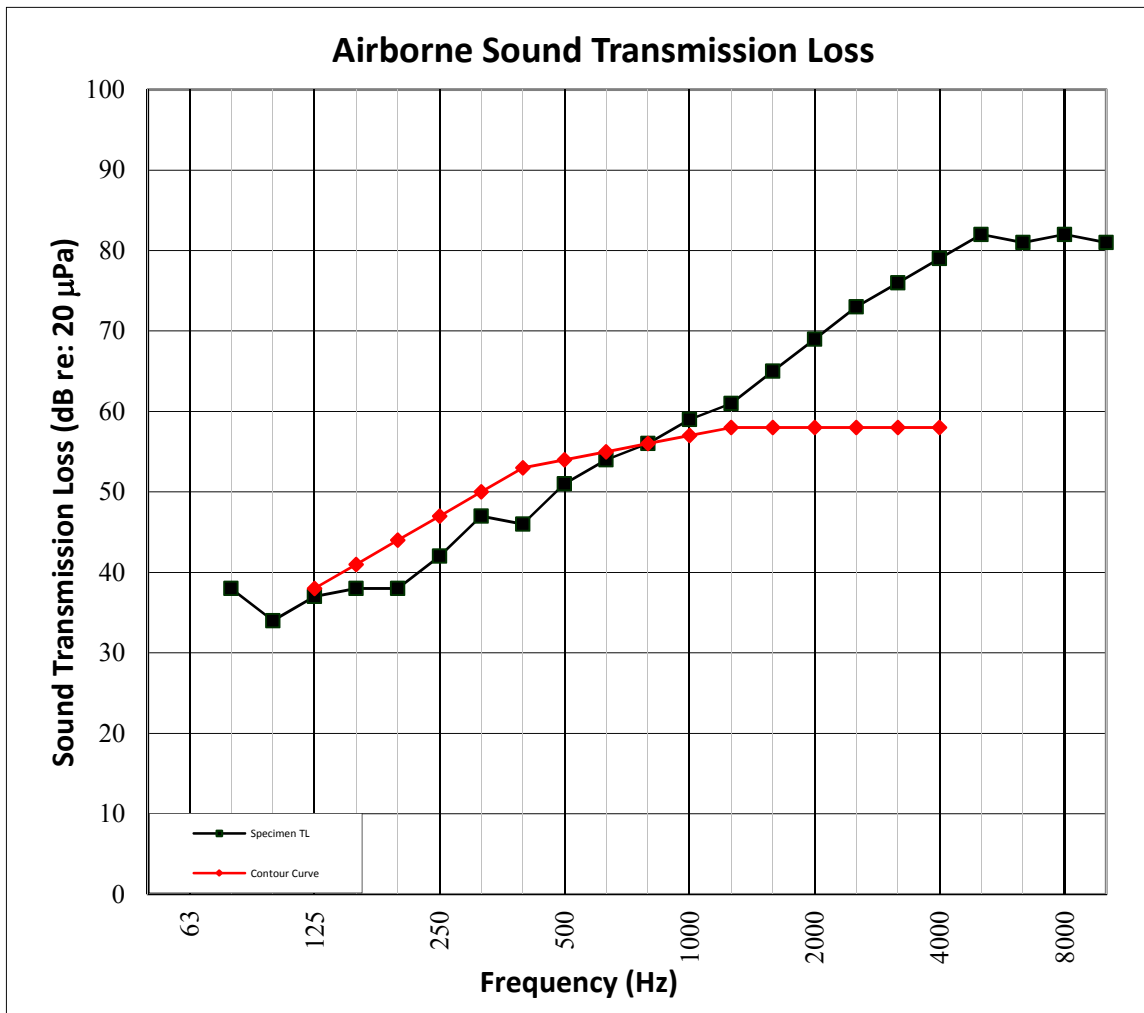
Date: 09/05/19

**SECTION 11**

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



<b>TEST DATE</b>	3/26/2018				
<b>DATA FILE NO.</b>	H4163.26				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	15.3 mm Provenza Flooring Old World Hardwood Flooring, 10.05 mm U.S. Rubber Recycling, Inc. 10mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
<b>SPECIMEN AREA</b>	11.15 m <sup>2</sup>	<b>Receive Temp.</b>	19.1°C	<b>Source Temp.</b>	18.2°C
<b>TECHNICIAN</b>	LSH	<b>Receive Humidity</b>	43%	<b>Source Humidity</b>	42%



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### SECTION 12

#### TEST RESULTS - IMPACT SOUND TRANSMISSION



<b>TEST DATE</b>	3/26/2018				
<b>DATA FILE NO.</b>	H4163.26				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	15.3 mm Provenza Flooring Old World Hardwood Flooring, 10.05 mm U.S. Rubber Recycling, Inc. 10mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
<b>SPECIMEN AREA</b>	11.15 m <sup>2</sup>	<b>Maximum Temp.</b>	19.1°C	<b>Minimum Temp.</b>	18.2°C
<b>TECHNICIAN</b>	LSH	<b>Max. Humidity</b>	43%	<b>Min. Humidity</b>	42%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m <sup>2</sup>	NORMALIZED IMPACT SPL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	30.2	5.8	56	1.7	-
100	30.2	6.3	58	1.2	0
125	29.8	4.5	61	1.1	0
160	27.1	5.2	65	1.0	2
200	19.5	6.2	68	0.9	5
250	16.0	6.6	68	0.7	5
315	13.4	7.5	68	0.7	5
400	10.5	7.3	68	0.3	6
500	10.4	6.1	64	0.3	3
630	7.3	6.4	64	0.4	4
800	5.4	6.3	60	0.3	1
1000	4.9	6.1	55	0.2	0
1250	3.4	6.4	50	0.3	0
1600	2.7	6.9	47	0.3	0
2000	4.5	7.6	38	0.3	0
2500	3.8	8.7	34	0.3	0
3150	4.9	9.8	31	0.5	0
4000	5.0	12.2	27	0.7	-
5000	5.1	15.4	21	0.8	-
6300	5.9	20.4	17	1.0	-
8000	6.8	27.8	12	0.6	-
10000	6.2	36.0	10	0.3	-
<b>IIC Rating</b>	<b>49</b>	<i>(Impact Insulation Class)</i>		<b>Sum of Deficiencies</b>	<b>31</b>

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

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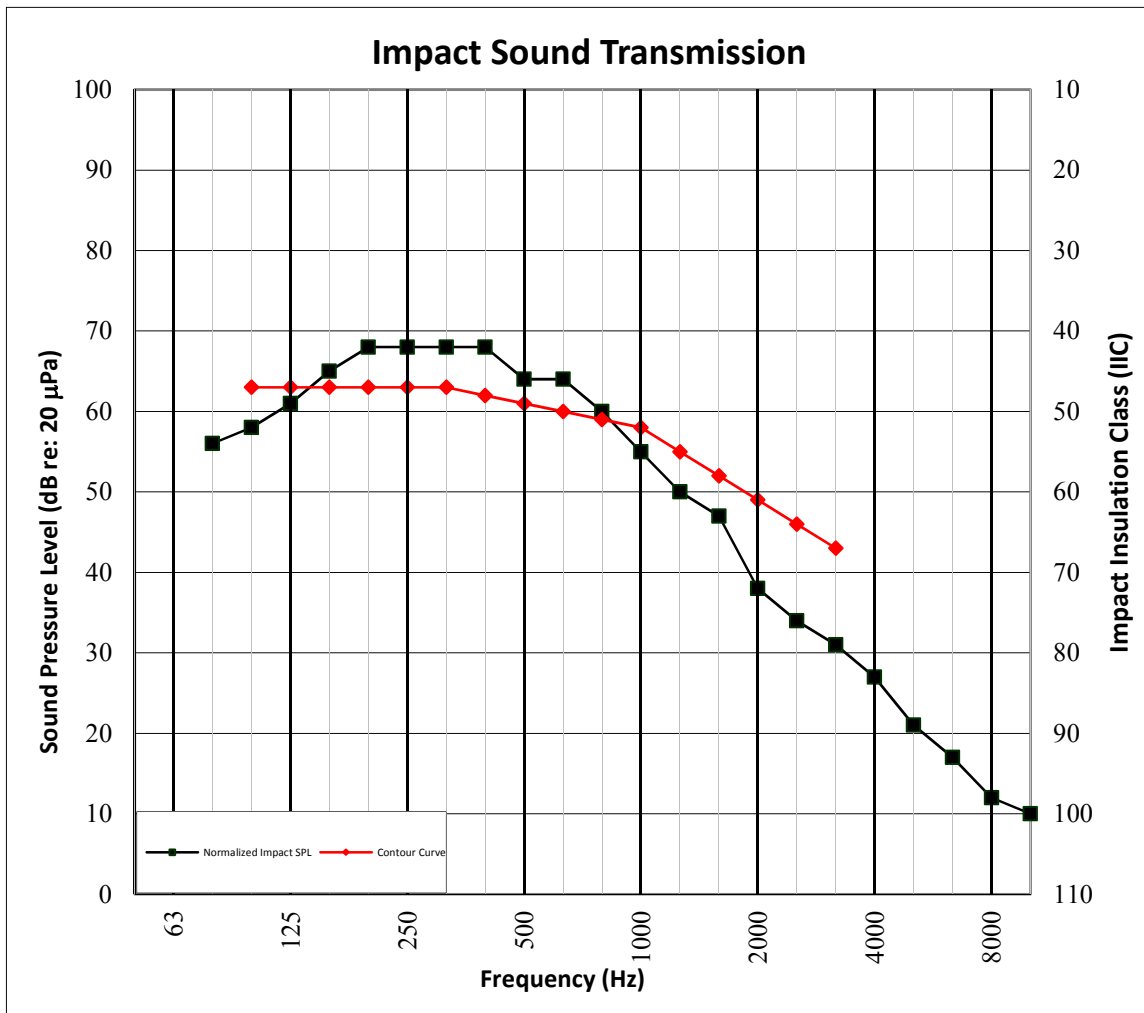
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**SECTION 13**

**TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH**



<b>TEST DATE</b>	3/26/2018				
<b>DATA FILE NO.</b>	H4163.26				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	15.3 mm Provenza Flooring Old World Hardwood Flooring, 10.05 mm U.S. Rubber Recycling, Inc. 10mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
<b>SPECIMEN AREA</b>	11.15 m <sup>2</sup>	<b>Maximum Temp.</b>	19.1°C	<b>Minimum Temp.</b>	18.2°C
<b>TECHNICIAN</b>	LSH	<b>Max. Humidity</b>	43%	<b>Min. Humidity</b>	42%



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### SECTION 14

#### TEST RESULTS - DELTA IMPACT INSULATION



<b>TEST DATE</b>	3/26/2018				
<b>DATA FILE NO.</b>	H4163.26				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	15.3 mm Provenza Flooring Old World Hardwood Flooring, 10.05 mm U.S. Rubber Recycling, Inc. 10mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
<b>SPECIMEN AREA</b>	11.15 m <sup>2</sup>	<b>Maximum Temp.</b>	19.1°C	<b>Minimum Temp.</b>	18.2°C
<b>TECHNICIAN</b>	LSH	<b>Max. Humidity</b>	43%	<b>Min. Humidity</b>	42%

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	30.2	6.3	58.7	1.3	58.1	1.4	66.0	2
125	29.8	4.5	61.9	1.4	61.2	1.4	67.0	3
160	27.1	5.2	66.3	1.2	65.2	1.2	67.0	3
200	19.5	6.2	68.6	0.6	67.7	1.1	68.0	4
250	16.0	6.6	70.6	0.7	68.3	0.9	67.0	3
315	13.4	7.5	69.4	0.7	67.7	0.9	68.0	4
400	10.5	7.3	70.3	0.5	67.7	0.4	67.0	4
500	10.4	6.1	68.2	0.4	63.8	0.4	66.0	4
630	7.3	6.4	70.4	0.5	63.9	0.5	64.0	3
800	5.4	6.3	71.6	0.3	60.2	0.3	60.0	0
1000	4.9	6.1	71.7	0.3	54.7	0.3	55.0	0
1250	3.4	6.4	72.3	0.4	49.9	0.3	50.0	0
1600	2.7	6.9	73.4	0.3	46.6	0.4	45.0	0
2000	4.5	7.6	73.3	0.4	38.4	0.3	37.0	0
2500	3.8	8.7	73.6	0.4	34.2	0.4	33.0	0
3150	4.9	9.8	74.1	0.5	30.6	0.6	28.0	0
<b>ΔIIC Rating</b>	<b>20</b>	<i>(Delta 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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**SECTION 15**

**TEST RESULTS - DELTA IMPACT INSULATION GRAPH**



<b>TEST DATE</b>	3/26/2018				
<b>DATA FILE NO.</b>	H4163.26				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	15.3 mm Provenza Flooring Old World Hardwood Flooring, 10.05 mm U.S. Rubber Recycling, Inc. 10mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
<b>SPECIMEN AREA</b>	11.15 m <sup>2</sup>	<b>Maximum Temp.</b>	19.1°C	<b>Minimum Temp.</b>	18.2°C
<b>TECHNICIAN</b>	LSH	<b>Max. Humidity</b>	43%	<b>Min. Humidity</b>	42%

