

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

Report No.: H4163.25-303-11-R0

Date: 09/05/19

### SECTION 10

### TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS



<b>TEST DATE</b>	4/9/2018				
<b>DATA FILE NO.</b>	H4163.25				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 5.15 mm U.S. Rubber Recycling, Inc. 5mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
<b>SPECIMEN AREA</b>	11.15 m <sup>2</sup>	<b>Receive Temp.</b>	20.8°C	<b>Source Temp.</b>	21.1°C
<b>TECHNICIAN</b>	LSH	<b>Receive Humidity</b>	55%	<b>Source Humidity</b>	56%

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	27.9	5.6	101	69	35	3.0	-
100	25.2	6.2	103	72	34	3.2	-
125	26.2	4.3	102	70	37	1.5	0
160	20.1	5.4	101	68	36	1.2	1
200	14.4	6.7	101	64	38	0.6	2
250	14.6	6.4	98	59	42	0.6	1
315	11.8	7.3	102	60	43	0.4	3
400	11.9	7.2	101	62	41	0.5	8
500	10.1	6.2	100	54	48	0.9	2
630	9.5	6.3	96	44	54	0.5	0
800	6.0	6.3	96	37	61	0.5	0
1000	6.9	6.3	97	32	67	0.4	0
1250	4.6	6.5	99	32	69	0.3	0
1600	4.2	6.7	99	29	72	0.4	0
2000	4.7	7.5	99	27	74	0.3	0
2500	6.2	8.4	100	25	76	0.4	0
3150	7.5	9.1	100	22	78	0.3	0
4000	6.5	10.5	99	18	81	0.5	0
5000	5.9	13.0	96	13	82	0.5	-
6300	6.4	16.6	95	13	81	0.5	-
8000	6.8	22.4	95	10	82	0.7	-
10000	6.9	28.3	94	8	82	0.7	-
<b>STC Rating</b>	<b>50</b>	<i>(Sound Transmission Class)</i>			<b>Sum of Deficiencies</b>	<b>17</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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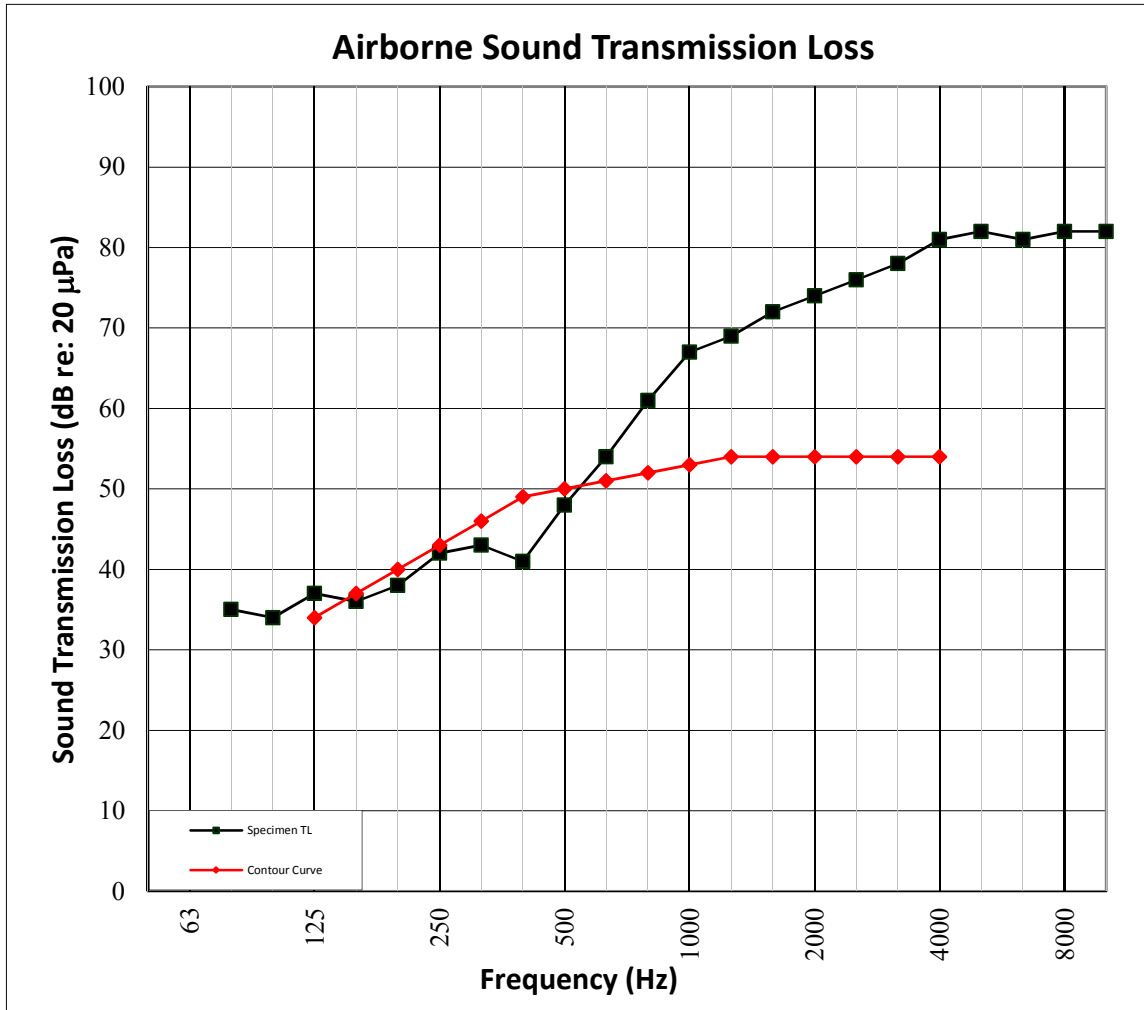
Date: 09/05/19

**SECTION 11**

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



<b>TEST DATE</b>	4/9/2018				
<b>DATA FILE NO.</b>	H4163.25				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 5.15 mm U.S. Rubber Recycling, Inc. 5mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
<b>SPECIMEN AREA</b>	11.15 m <sup>2</sup>	<b>Receive Temp.</b>	20.8°C	<b>Source Temp.</b>	21.1°C
<b>TECHNICIAN</b>	LSH	<b>Receive Humidity</b>	55%	<b>Source Humidity</b>	56%



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### SECTION 12

#### TEST RESULTS - IMPACT SOUND TRANSMISSION



<b>TEST DATE</b>	4/9/2018				
<b>DATA FILE NO.</b>	H4163.25				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 5.15 mm U.S. Rubber Recycling, Inc. 5mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
<b>SPECIMEN AREA</b>	11.15 m <sup>2</sup>	<b>Maximum Temp.</b>	20.8°C	<b>Minimum Temp.</b>	21.1°C
<b>TECHNICIAN</b>	LSH	<b>Max. Humidity</b>	55%	<b>Min. Humidity</b>	56%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m <sup>2</sup>	NORMALIZED IMPACT SPL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	30.5	6.1	59	2.2	-
100	29.9	6.3	59	1.8	2
125	31.3	4.2	61	0.9	4
160	29.5	5.3	60	1.1	3
200	20.4	6.5	64	0.6	7
250	16.8	6.9	64	0.5	7
315	13.2	7.6	62	0.8	5
400	11.8	7.3	59	0.5	3
500	11.3	6.2	54	0.7	0
630	9.2	6.3	49	0.6	0
800	5.9	6.4	41	0.2	0
1000	6.7	6.2	37	0.2	0
1250	4.4	6.5	32	0.3	0
1600	4.1	6.7	27	0.3	0
2000	4.5	7.5	25	0.3	0
2500	5.9	8.3	22	0.3	0
3150	7.1	9.1	19	0.4	0
4000	6.3	10.6	16	0.9	-
5000	5.8	13.1	10	0.8	-
6300	6.3	16.7	12	1.3	-
8000	6.8	22.3	9	0.5	-
10000	6.9	28.3	9	0.3	-
<b>IIC Rating</b>	<b>55</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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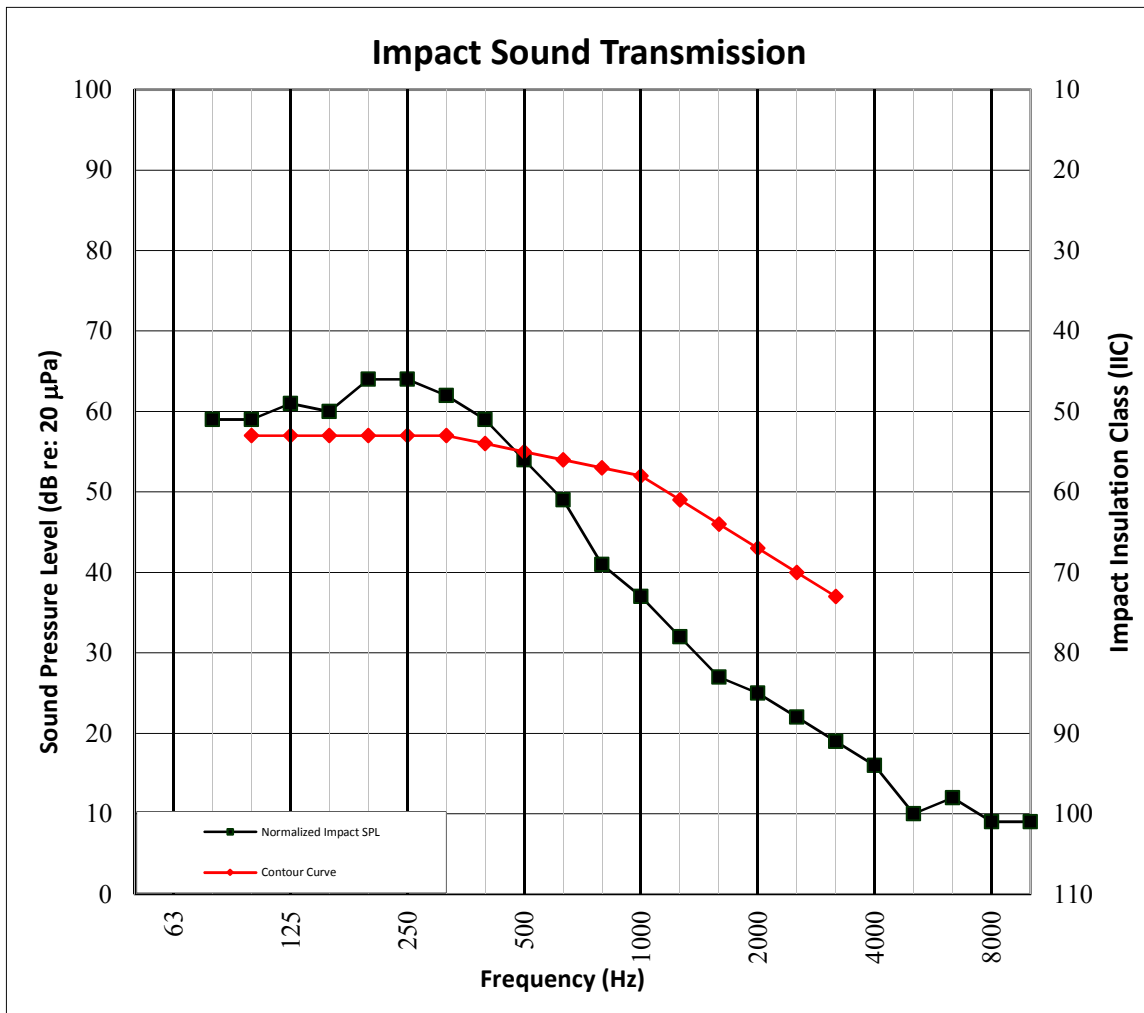
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**SECTION 13**

**TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH**



<b>TEST DATE</b>	4/9/2018				
<b>DATA FILE NO.</b>	H4163.25				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 5.15 mm U.S. Rubber Recycling, Inc. 5mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
<b>SPECIMEN AREA</b>	11.15 m <sup>2</sup>	<b>Maximum Temp.</b>	20.8°C	<b>Minimum Temp.</b>	21.1°C
<b>TECHNICIAN</b>	LSH	<b>Max. Humidity</b>	55%	<b>Min. Humidity</b>	56%



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### SECTION 14

#### TEST RESULTS - DELTA IMPACT INSULATION



<b>TEST DATE</b>	4/9/2018				
<b>DATA FILE NO.</b>	H4163.25				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 5.15 mm U.S. Rubber Recycling, Inc. 5mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
<b>SPECIMEN AREA</b>	11.15 m <sup>2</sup>	<b>Maximum Temp.</b>	20.8°C	<b>Minimum Temp.</b>	21.1°C
<b>TECHNICIAN</b>	LSH	<b>Max. Humidity</b>	55%	<b>Min. Humidity</b>	56%

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	29.9	6.3	59.3	1.3	58.9	2.2	67.0	7
125	31.3	4.2	62.9	0.9	60.5	1.1	65.0	5
160	29.5	5.3	65.6	1.5	60.5	1.3	63.0	3
200	20.4	6.5	67.5	0.7	64.1	0.7	65.0	5
250	16.8	6.9	68.4	0.7	63.6	0.7	64.0	4
315	13.2	7.6	69.0	0.9	61.6	1.0	62.0	2
400	11.8	7.3	69.7	0.4	59.1	0.7	59.0	0
500	11.3	6.2	68.1	0.6	53.7	0.9	56.0	0
630	9.2	6.3	70.0	0.5	48.7	0.7	50.0	0
800	5.9	6.4	71.7	0.4	41.0	0.2	41.0	0
1000	6.7	6.2	71.3	0.3	36.5	0.2	37.0	0
1250	4.4	6.5	72.3	0.4	32.1	0.4	32.0	0
1600	4.1	6.7	73.1	0.4	26.6	0.3	26.0	0
2000	4.5	7.5	73.3	0.3	25.2	0.3	24.0	0
2500	5.9	8.3	73.5	0.2	21.9	0.3	20.0	0
3150	7.1	9.1	73.9	0.4	19.3	0.6	17.0	0
<b>ΔIIC Rating</b>	<b>24</b>	<i>(Delta Impact Insulation Class)</i>			<b>Sum of Deficiencies</b>		<b>26</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>	4/9/2018				
<b>DATA FILE NO.</b>	H4163.25				
<b>CLIENT</b>	U.S. Rubber Recycling, Inc.				
<b>DESCRIPTION</b>	8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 5.15 mm U.S. Rubber Recycling, Inc. 5mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
<b>SPECIMEN AREA</b>	11.15 m <sup>2</sup>	<b>Maximum Temp.</b>	20.8°C	<b>Minimum Temp.</b>	21.1°C
<b>TECHNICIAN</b>	LSH	<b>Max. Humidity</b>	55%	<b>Min. Humidity</b>	56%

