

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

Report No.: H4163.23-303-11-R0

Date: 09/05/19

SECTION 10

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	4/10/2018				
DATA FILE NO.	H4163.23				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 3.2 mm U.S. Rubber Recycling, Inc. 3mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Receive Temp.	19.4°C	Source Temp.	21.8°C
TECHNICIAN	LSH	Receive Humidity	50%	Source Humidity	52%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	SOURCE SPL (dB)	RECEIVE SPL (dB)	SPECIMEN TL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	29.0	6.8	102	71	33	3.1	-
100	27.7	6.9	104	72	34	3.3	-
125	29.4	4.3	103	70	37	1.3	0
160	23.0	5.2	101	68	37	1.3	1
200	15.5	6.3	101	64	39	0.7	2
250	15.2	6.7	98	59	42	0.7	2
315	14.9	7.3	102	59	45	0.5	2
400	13.4	7.3	101	61	42	0.6	8
500	9.8	6.2	100	56	46	0.5	5
630	9.0	6.4	96	47	51	0.6	1
800	5.6	6.4	95	39	59	0.6	0
1000	6.9	6.2	96	33	66	0.4	0
1250	5.1	6.6	99	32	69	0.3	0
1600	5.0	6.7	99	29	72	0.3	0
2000	6.4	7.5	99	27	74	0.3	0
2500	7.1	8.5	100	25	76	0.2	0
3150	8.3	9.4	100	23	78	0.3	0
4000	7.2	11.1	99	18	81	0.4	0
5000	6.3	14.1	97	13	83	0.4	-
6300	6.5	18.2	95	13	80	0.4	-
8000	6.8	25.0	95	9	82	0.7	-
10000	6.9	32.0	94	8	82	0.6	-
STC Rating	51	<i>(Sound Transmission Class)</i>			Sum of Deficiencies	21	

- 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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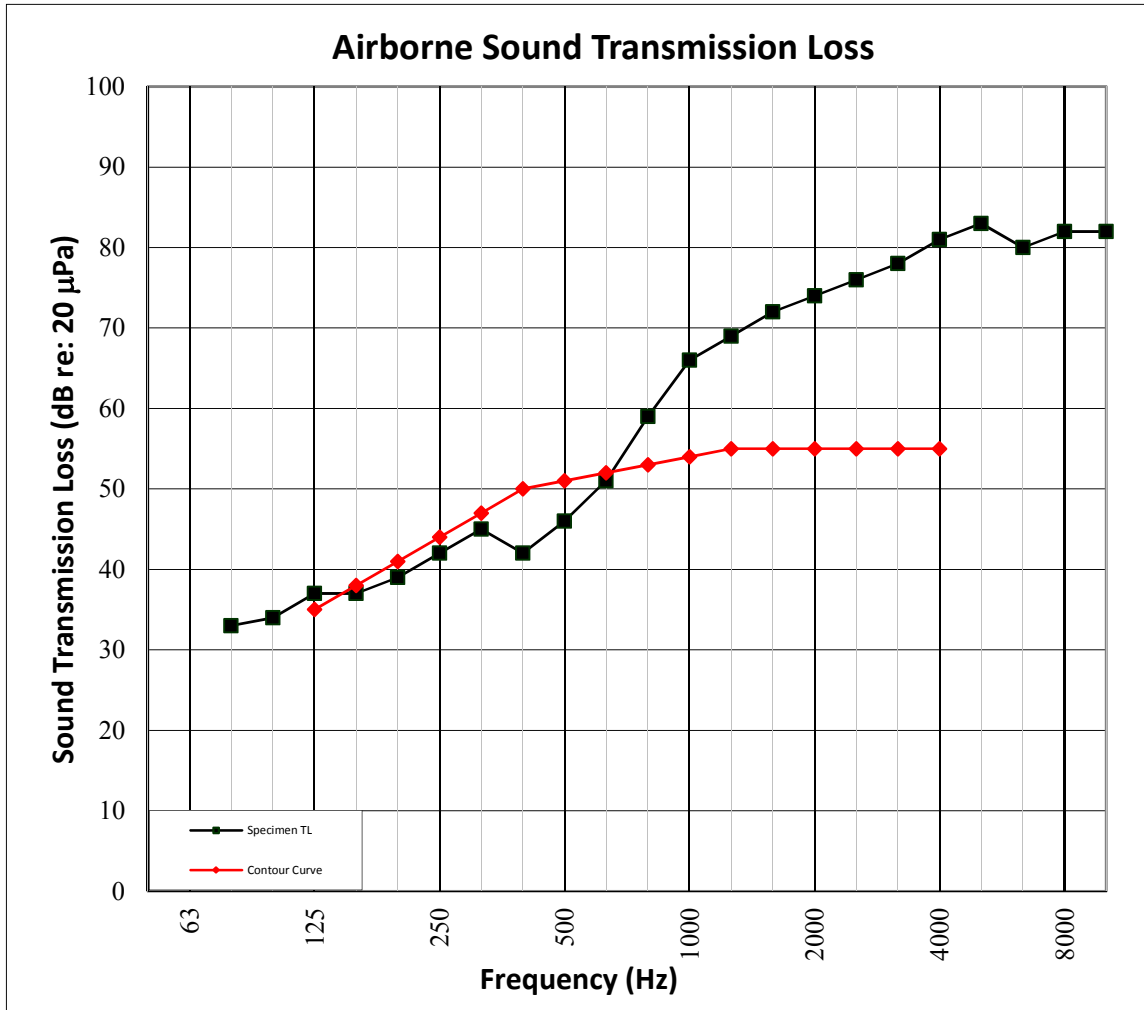
Date: 09/05/19

SECTION 11

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS GRAPH



TEST DATE	4/10/2018				
DATA FILE NO.	H4163.23				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 3.2 mm U.S. Rubber Recycling, Inc. 3mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Receive Temp.	19.4°C	Source Temp.	21.8°C
TECHNICIAN	LSH	Receive Humidity	50%	Source Humidity	52%



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SECTION 12

TEST RESULTS - IMPACT SOUND TRANSMISSION



TEST DATE	4/10/2018				
DATA FILE NO.	H4163.23				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 3.2 mm U.S. Rubber Recycling, Inc. 3mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	19.4°C	Minimum Temp.	21.8°C
TECHNICIAN	LSH	Max. Humidity	50%	Min. Humidity	52%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	NORMALIZED IMPACT SPL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	31.6	5.8	58	1.8	-
100	28.9	6.5	59	1.7	1
125	32.3	4.3	62	1.0	4
160	28.7	5.3	61	1.0	3
200	19.4	6.7	65	0.9	7
250	16.2	6.5	63	0.7	5
315	13.3	7.4	62	1.0	4
400	11.7	7.2	59	0.5	2
500	9.9	6.3	53	0.5	0
630	9.2	6.4	50	0.6	0
800	5.6	6.4	39	0.2	0
1000	6.0	6.2	36	0.3	0
1250	12.9	6.6	31	0.3	0
1600	4.2	6.7	24	0.4	0
2000	5.3	7.5	21	0.4	0
2500	6.9	8.6	21	0.3	0
3150	7.7	9.5	19	0.6	0
4000	7.0	11.2	16	0.6	-
5000	6.1	14.1	10	0.6	-
6300	6.5	18.1	8	0.3	-
8000	6.8	24.7	9	0.3	-
10000	6.9	31.8	10	0.3	-
IIC Rating	54	<i>(Impact Insulation Class)</i>		Sum of Deficiencies	26

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

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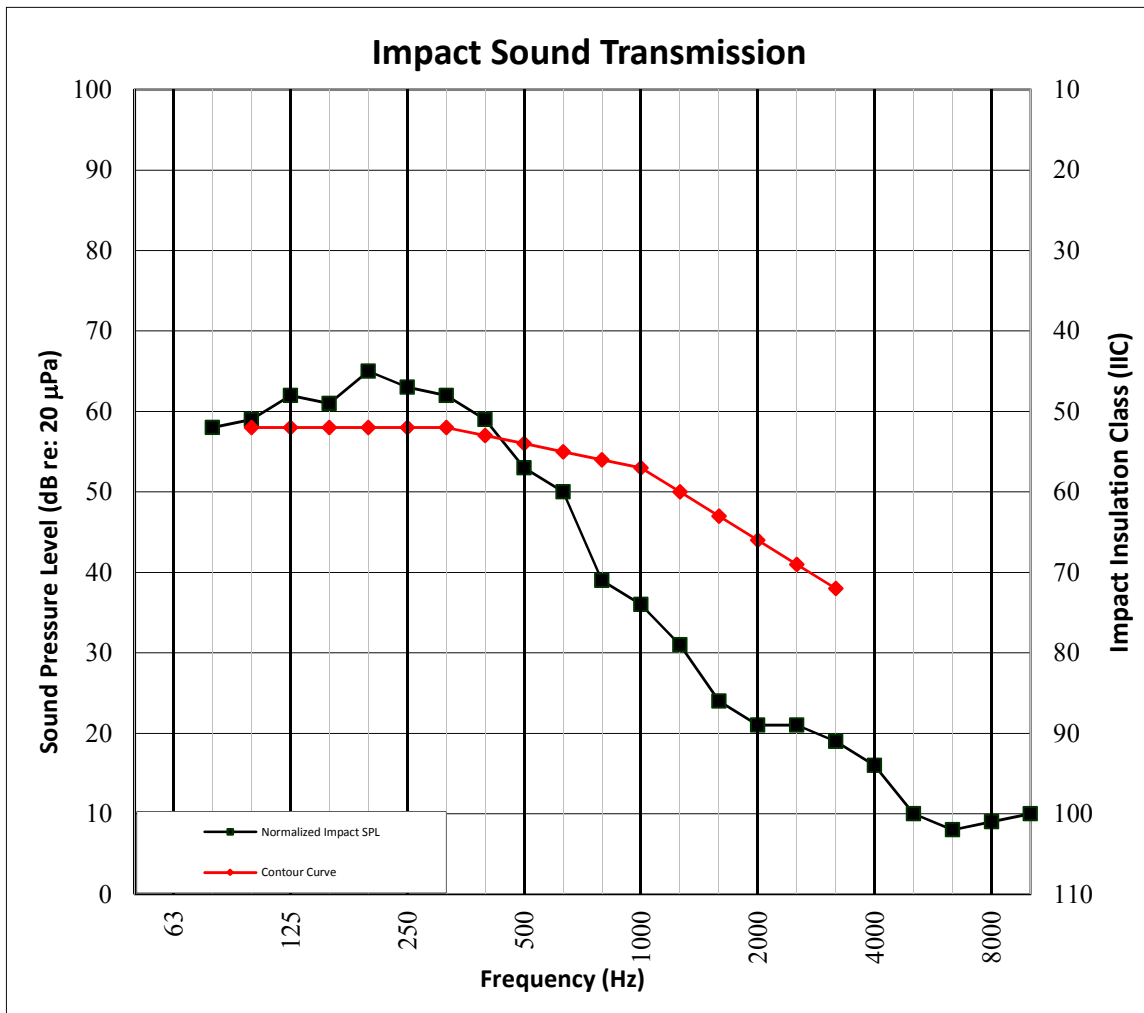
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SECTION 13

TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH



TEST DATE	4/10/2018				
DATA FILE NO.	H4163.23				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 3.2 mm U.S. Rubber Recycling, Inc. 3mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	19.4°C	Minimum Temp.	21.8°C
TECHNICIAN	LSH	Max. Humidity	50%	Min. Humidity	52%



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SECTION 14

TEST RESULTS - DELTA IMPACT INSULATION



TEST DATE	4/10/2018				
DATA FILE NO.	H4163.23				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 3.2 mm U.S. Rubber Recycling, Inc. 3mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	19.4°C	Minimum Temp.	21.8°C
TECHNICIAN	LSH	Max. Humidity	50%	Min. Humidity	52%

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	28.9	6.5	60.8	2.4	59.2	2.1	65.0	5
125	32.3	4.3	63.7	0.9	61.6	1.3	65.0	5
160	28.7	5.3	63.7	1.1	61.1	1.2	65.0	5
200	19.4	6.7	67.9	0.9	64.6	1.1	65.0	5
250	16.2	6.5	67.9	0.5	63.1	0.9	64.0	4
315	13.3	7.4	69.0	1.1	61.6	1.2	62.0	2
400	11.7	7.2	69.6	0.5	58.6	0.7	59.0	0
500	9.9	6.3	68.2	0.5	52.9	0.7	55.0	0
630	9.2	6.4	69.9	0.6	49.6	0.7	51.0	0
800	5.6	6.4	71.2	0.3	39.4	0.3	40.0	0
1000	6.0	6.2	71.5	0.3	35.5	0.4	36.0	0
1250	12.9	6.6	72.9	0.5	30.9	0.4	30.0	0
1600	4.2	6.7	73.2	0.4	24.4	0.5	23.0	0
2000	5.3	7.5	73.5	0.4	21.4	0.5	20.0	0
2500	6.9	8.6	73.4	0.3	21.1	0.4	20.0	0
3150	7.7	9.5	74.0	0.4	19.2	0.7	17.0	0
ΔIIC Rating	24	<i>(Delta Impact Insulation Class)</i>			Sum of Deficiencies		26	

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	4/10/2018				
DATA FILE NO.	H4163.23				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 3.2 mm U.S. Rubber Recycling, Inc. 3mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	19.4°C	Minimum Temp.	21.8°C
TECHNICIAN	LSH	Max. Humidity	50%	Min. Humidity	52%

