

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

Report No.: H4163.01-303-11-R1

Date: 10/13/17

SECTION 10

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	10/2/2017				
DATA FILE NO.	H4163.01				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.18 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 5.3 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Receive Temp.	18.8	Source Temp.	18.4
TECHNICIAN	LSH	Receive Humidity	45%	Source Humidity	49%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	SOURCE SPL (dB)	RECEIVE SPL (dB)	SPECIMEN TL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	25.7	5.1	102	63	42	2.7	-
100	30.9	5.5	104	69	38	2.4	-
125	32.4	3.7	102	69	38	1.3	0
160	24.3	4.6	101	66	39	1.1	1
200	18.1	5.3	101	61	43	0.8	0
250	16.2	5.8	98	58	44	0.8	2
315	11.6	6.4	102	61	43	0.9	6
400	10.8	6.1	101	59	44	0.8	8
500	9.8	5.3	100	50	54	0.7	0
630	7.2	5.4	97	37	63	0.5	0
800	7.3	5.4	97	33	67	0.5	0
1000	7.4	5.3	97	28	72	0.3	0
1250	5.3	5.4	99	27	75	0.3	0
1600	3.8	5.8	99	24	78	0.4	0
2000	4.0	6.6	100	24	78	0.2	0
2500	5.2	7.5	100	23	79	0.4	0
3150	5.7	8.2	100	20	81	0.3	0
4000	5.5	10.1	99	17	83	0.3	0
5000	5.4	12.7	96	11	85	0.5	-
6300	5.7	16.6	95	11	83	0.4	-
8000	6.1	22.4	95	8	84	0.6	-
10000	6.3	28.9	94	7	83	0.5	-
STC Rating	53	<i>(Sound Transmission Class)</i>			Sum of Deficiencies	17	

- 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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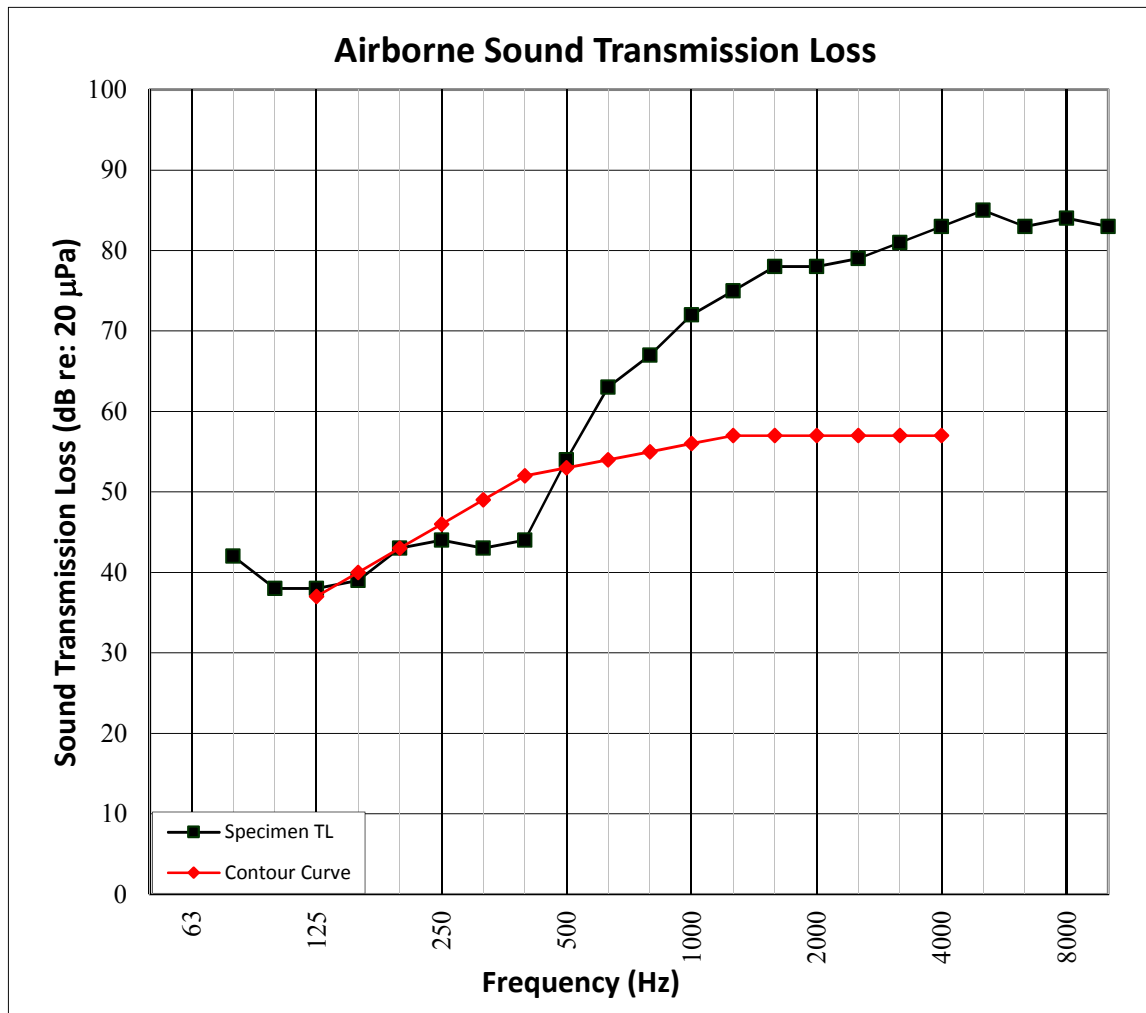
Date: 10/13/17

SECTION 11

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS GRAPH



TEST DATE	10/2/2017				
DATA FILE NO.	H4163.01				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.18 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 5.3 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Receive Temp.	18.8	Source Temp.	18.4
TECHNICIAN	LSH	Receive Humidity	45%	Source Humidity	49%



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SECTION 12

TEST RESULTS - IMPACT SOUND TRANSMISSION



TEST DATE	10/2/2017				
DATA FILE NO.	H4163.01				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.18 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 5.3 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	18.8	Minimum Temp.	18.4
TECHNICIAN	LSH	Max. Humidity	45%	Min. Humidity	49%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	NORMALIZED IMPACT SPL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	27.5	4.9	51	3.0	-
100	31.3	5.7	53	1.0	0
125	32.1	3.8	58	1.3	4
160	25.2	4.6	60	1.1	6
200	19.2	5.2	62	0.8	8
250	17.8	5.6	60	1.1	6
315	12.5	6.5	59	0.8	5
400	10.4	6.2	55	0.5	2
500	9.6	5.3	52	0.4	0
630	7.0	5.4	43	0.6	0
800	6.6	5.4	35	0.4	0
1000	8.7	5.4	30	0.2	0
1250	6.3	5.5	26	0.4	0
1600	5.5	5.9	25	1.0	0
2000	5.9	6.6	23	0.7	0
2500	8.8	7.5	19	0.5	0
3150	12.7	8.4	16	0.8	0
4000	11.7	10.4	13	1.4	-
5000	10.8	13.3	14	1.8	-
6300	8.7	17.5	8	0.9	-
8000	7.7	23.3	9	0.7	-
10000	7.1	30.9	10	0.4	-
IIC Rating	58	<i>(Impact Insulation Class)</i>		Sum of Deficiencies	31

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

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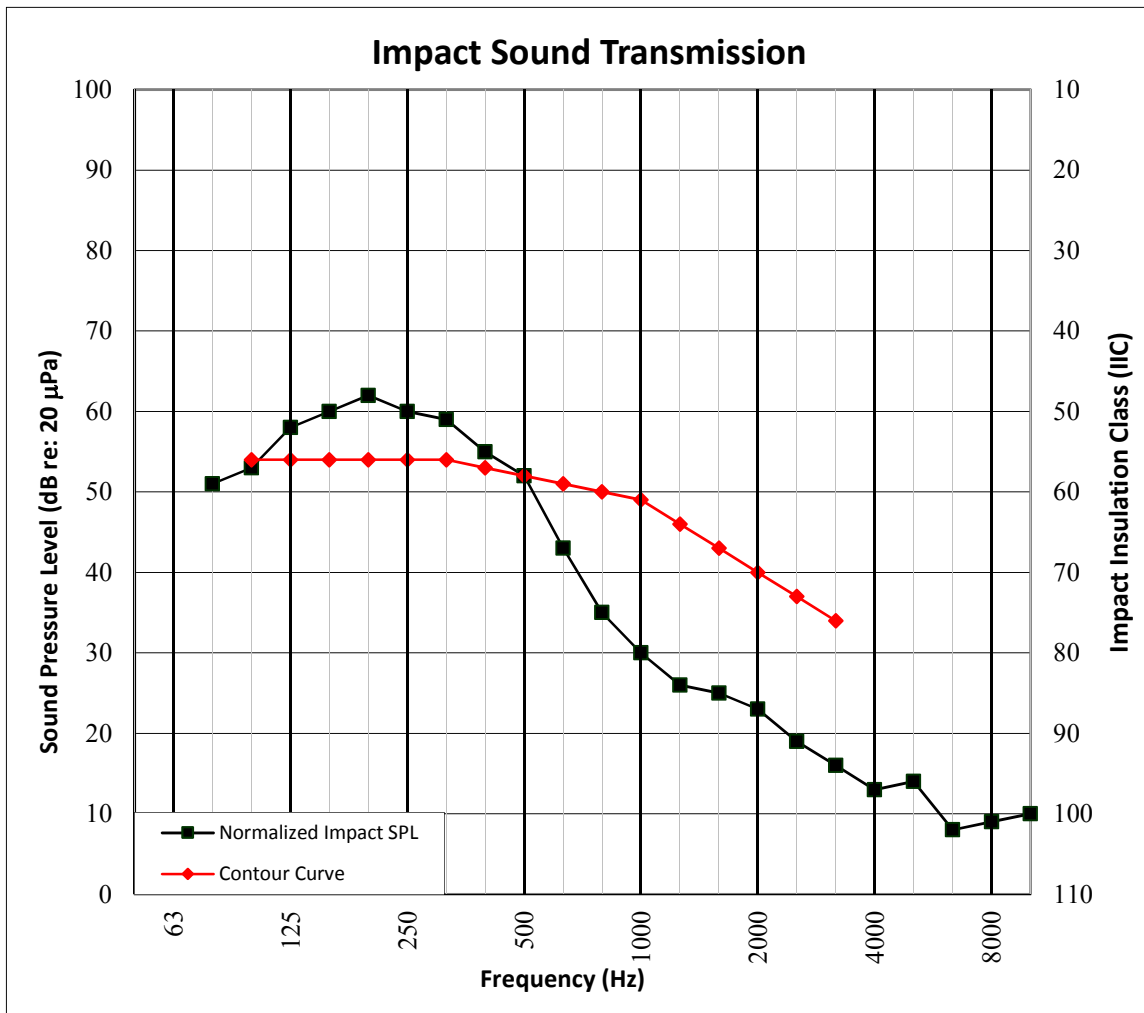
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SECTION 13

TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH



TEST DATE	10/2/2017				
DATA FILE NO.	H4163.01				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.18 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 5.3 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	18.8	Minimum Temp.	18.4
TECHNICIAN	LSH	Max. Humidity	45%	Min. Humidity	49%



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SECTION 14

TEST RESULTS - DELTA IMPACT INSULATION



TEST DATE	10/2/2017				
DATA FILE NO.	H4163.01				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.18 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 5.3 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	18.8	Minimum Temp.	18.4
TECHNICIAN	LSH	Max. Humidity	45%	Min. Humidity	49%

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	31.3	5.7	55.0	1.5	53.0	1.2	65.0	5
125	32.1	3.8	58.8	1.1	57.9	1.6	67.0	7
160	25.2	4.6	62.5	1.1	60.5	1.4	66.0	6
200	19.2	5.2	66.8	0.8	61.9	1.0	64.0	4
250	17.8	5.6	64.6	1.0	59.9	1.3	64.0	4
315	12.5	6.5	66.4	1.1	59.4	0.9	63.0	3
400	10.4	6.2	62.9	0.4	54.9	0.6	62.0	3
500	9.6	5.3	66.5	0.5	51.6	0.5	56.0	0
630	7.0	5.4	64.3	0.6	42.8	0.7	49.0	0
800	6.6	5.4	67.0	0.7	35.2	0.5	40.0	0
1000	8.7	5.4	65.7	0.3	30.2	0.3	37.0	0
1250	6.3	5.5	68.2	0.4	26.2	0.5	30.0	0
1600	5.5	5.9	69.5	0.3	24.5	1.2	27.0	0
2000	5.9	6.6	69.6	0.4	22.5	0.9	25.0	0
2500	8.8	7.5	70.1	0.4	19.3	0.6	21.0	0
3150	12.7	8.4	70.7	0.5	16.2	1.0	18.0	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	10/2/2017				
DATA FILE NO.	H4163.01				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.18 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 5.3 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	18.8	Minimum Temp.	18.4
TECHNICIAN	LSH	Max. Humidity	45%	Min. Humidity	49%

