

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

Report No.: H4163.27-303-11-R0

Date: 09/05/19

SECTION 10

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	4/11/2018				
DATA FILE NO.	H4163.27				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	15.3 mm Provenza Old World Hardwood Flooring, 12.3 mm U.S. Rubber Recycling, Inc. 12mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Receive Temp.	21.8°C	Source Temp.	22.1°C
TECHNICIAN	LSH	Receive Humidity	49%	Source Humidity	47%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	SOURCE SPL (dB)	RECEIVE SPL (dB)	SPECIMEN TL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	25.9	5.4	102	63	42	2.7	-
100	26.4	6.4	104	69	37	2.6	-
125	27.3	4.7	102	69	37	1.4	2
160	20.1	5.2	102	65	40	1.1	2
200	13.6	6.3	101	64	40	0.5	5
250	13.0	6.6	98	58	43	0.7	5
315	9.9	7.2	102	56	48	0.6	3
400	7.5	7.2	102	58	46	0.8	8
500	9.0	6.3	101	52	52	0.6	3
630	7.1	6.3	96	45	54	0.5	2
800	5.0	6.5	96	44	55	0.4	2
1000	6.6	6.2	97	41	58	0.4	0
1250	4.8	6.7	99	40	61	0.5	0
1600	4.6	6.7	98	34	67	0.6	0
2000	6.1	7.4	99	29	71	0.5	0
2500	6.9	8.4	100	26	74	0.4	0
3150	8.1	9.2	100	24	77	0.3	0
4000	7.0	10.8	98	19	80	0.4	0
5000	6.2	13.5	96	13	83	0.4	-
6300	6.5	17.5	95	12	81	0.5	-
8000	6.9	23.6	94	9	82	0.7	-
10000	6.9	30.2	94	8	81	0.7	-
STC Rating	55	<i>(Sound Transmission Class)</i>			Sum of Deficiencies	32	

- 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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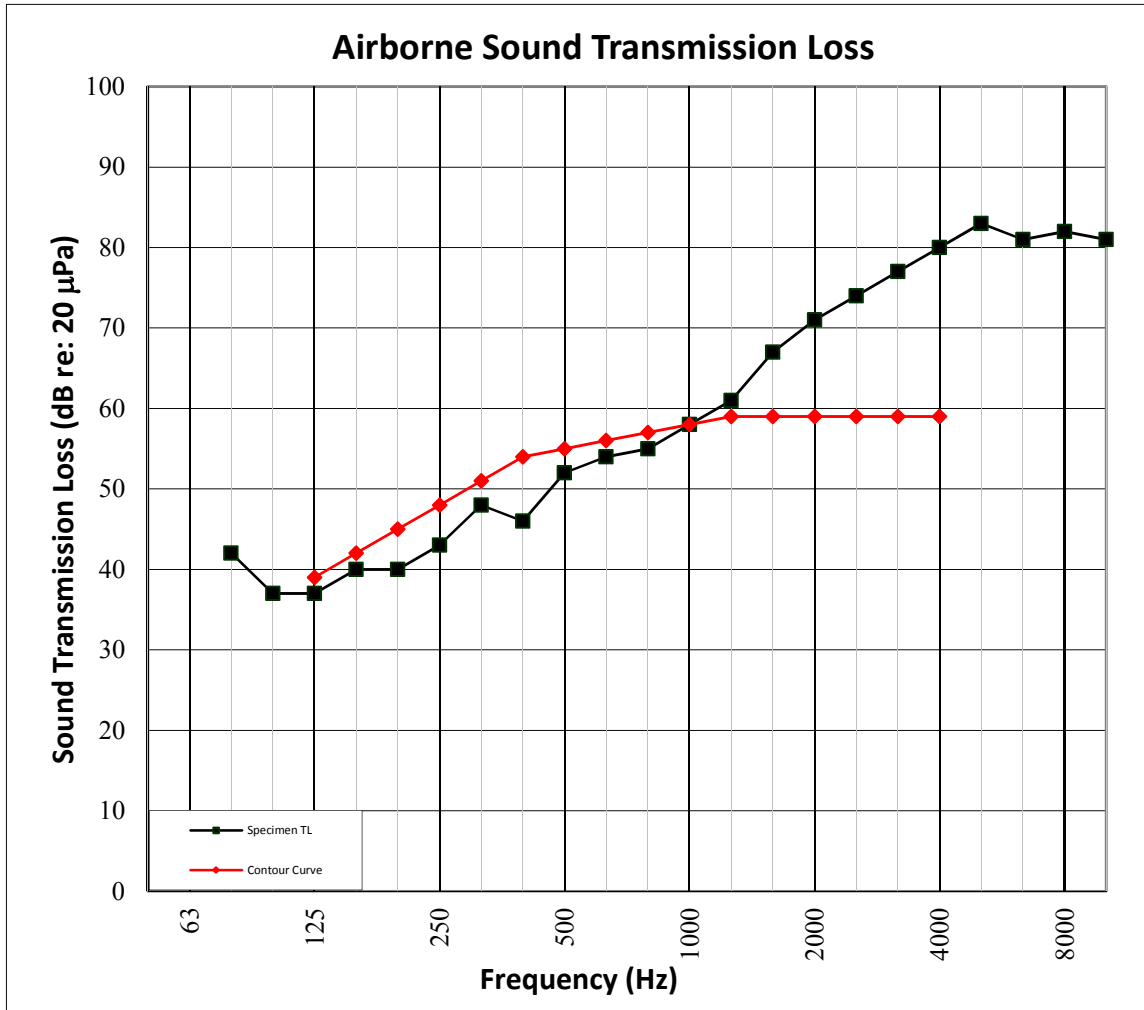
Date: 09/05/19

SECTION 11

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS GRAPH



TEST DATE	4/11/2018				
DATA FILE NO.	H4163.27				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	15.3 mm Provenza Old World Hardwood Flooring, 12.3 mm U.S. Rubber Recycling, Inc. 12mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Receive Temp.	21.8°C	Source Temp.	22.1°C
TECHNICIAN	LSH	Receive Humidity	49%	Source Humidity	47%



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SECTION 12

TEST RESULTS - IMPACT SOUND TRANSMISSION



TEST DATE	4/11/2018				
DATA FILE NO.	H4163.27				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	15.3 mm Provenza Old World Hardwood Flooring, 12.3 mm U.S. Rubber Recycling, Inc. 12mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	21.8°C	Minimum Temp.	22.1°C
TECHNICIAN	LSH	Max. Humidity	49%	Min. Humidity	47%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	NORMALIZED IMPACT SPL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	27.1	6.4	58	1.7	-
100	26.4	6.6	60	1.7	0
125	27.5	4.0	59	0.9	0
160	21.2	5.3	64	0.8	1
200	18.1	6.5	68	0.8	5
250	16.0	6.6	68	0.8	5
315	14.6	7.2	68	0.9	5
400	14.2	7.3	68	0.4	6
500	15.6	6.3	65	0.4	4
630	13.2	6.3	65	0.4	5
800	12.8	6.4	60	0.3	1
1000	12.8	6.2	54	0.3	0
1250	11.5	6.6	49	0.2	0
1600	12.0	6.7	45	0.3	0
2000	13.3	7.6	39	0.4	0
2500	10.2	8.4	35	0.3	0
3150	9.6	9.2	33	0.4	0
4000	9.0	10.9	29	0.6	-
5000	7.3	13.6	22	0.7	-
6300	7.0	17.3	15	0.6	-
8000	7.0	23.7	11	0.4	-
10000	7.0	30.1	10	0.3	-
IIC Rating	49	<i>(Impact Insulation Class)</i>		Sum of Deficiencies	32

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

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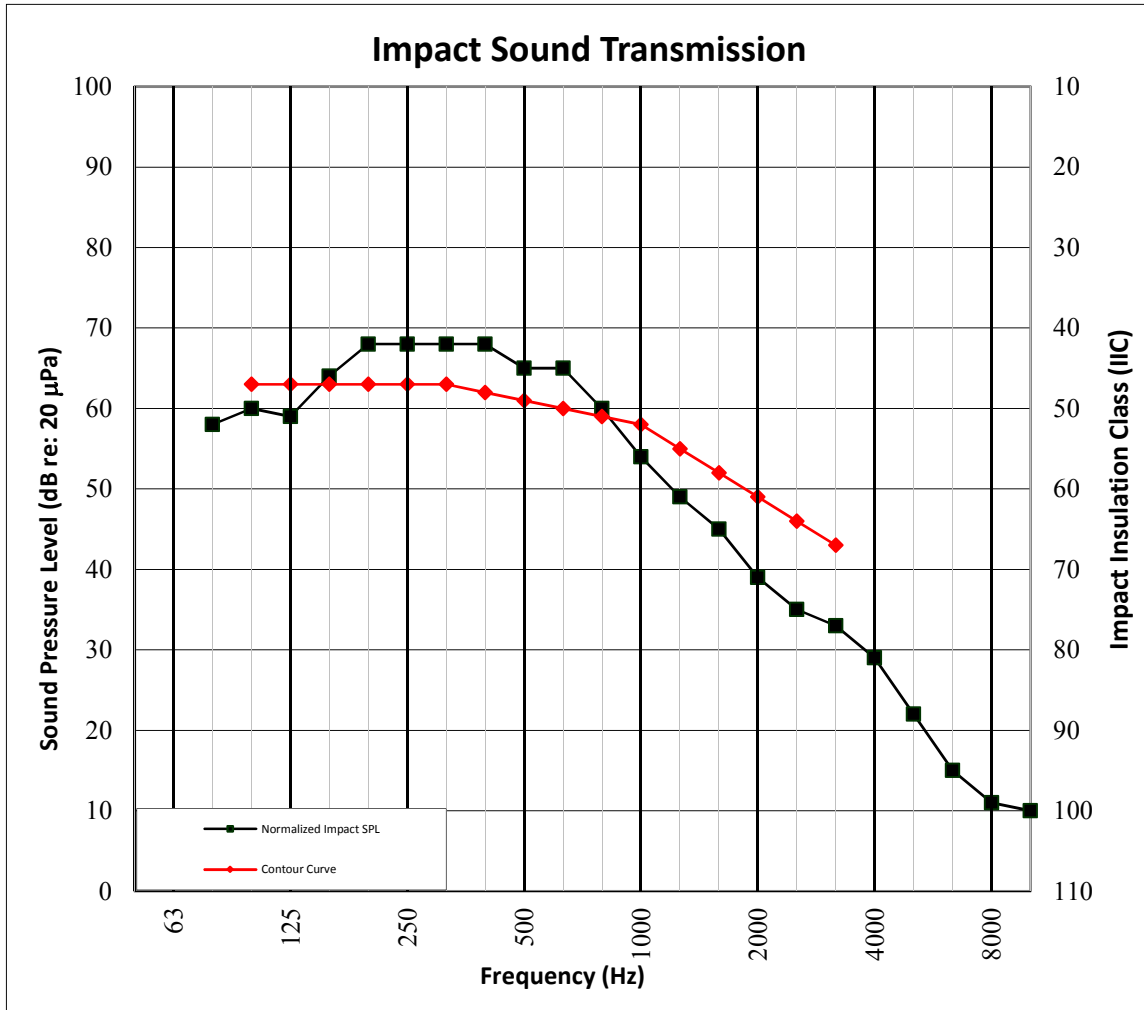
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SECTION 13

TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH



TEST DATE	4/11/2018				
DATA FILE NO.	H4163.27				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	15.3 mm Provenza Old World Hardwood Flooring, 12.3 mm U.S. Rubber Recycling, Inc. 12mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	21.8°C	Minimum Temp.	22.1°C
TECHNICIAN	LSH	Max. Humidity	49%	Min. Humidity	47%



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SECTION 14

TEST RESULTS - DELTA IMPACT INSULATION



TEST DATE	4/11/2018				
DATA FILE NO.	H4163.27				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	15.3 mm Provenza Old World Hardwood Flooring, 12.3 mm U.S. Rubber Recycling, Inc. 12mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	21.8°C	Minimum Temp.	22.1°C
TECHNICIAN	LSH	Max. Humidity	49%	Min. Humidity	47%

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	26.4	6.6	60.9	2.4	60.0	2.1	66.0	1
125	27.5	4.0	63.4	0.9	58.9	1.2	63.0	0
160	21.2	5.3	63.8	1.1	63.6	1.0	68.0	3
200	18.1	6.5	67.8	0.9	68.4	1.0	69.0	4
250	16.0	6.6	68.0	0.5	68.1	0.9	69.0	4
315	14.6	7.2	68.9	1.1	68.2	1.2	69.0	4
400	14.2	7.3	69.6	0.5	68.2	0.5	69.0	5
500	15.6	6.3	68.3	0.5	65.4	0.5	68.0	5
630	13.2	6.3	69.8	0.6	64.7	0.6	66.0	4
800	12.8	6.4	71.2	0.3	60.2	0.4	61.0	0
1000	12.8	6.2	71.5	0.3	53.7	0.4	54.0	0
1250	11.5	6.6	72.9	0.5	48.5	0.3	48.0	0
1600	12.0	6.7	73.2	0.4	45.5	0.4	44.0	0
2000	13.3	7.6	73.5	0.4	38.7	0.4	37.0	0
2500	10.2	8.4	73.3	0.3	35.4	0.4	34.0	0
3150	9.6	9.2	73.9	0.4	32.6	0.5	31.0	0
ΔIIC Rating	19	<i>(Delta Impact Insulation Class)</i>			Sum of Deficiencies		30	

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	4/11/2018				
DATA FILE NO.	H4163.27				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	15.3 mm Provenza Old World Hardwood Flooring, 12.3 mm U.S. Rubber Recycling, Inc. 12mm QuietSound Rubber Underlayment, 152.4 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	21.8°C	Minimum Temp.	22.1°C
TECHNICIAN	LSH	Max. Humidity	49%	Min. Humidity	47%

