

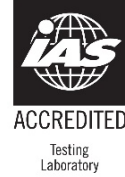
TEST REPORT FOR U.S. RUBBER RECYCLING, INC.

Report No.: H4163.30-303-11-R0

Date: 09/05/19

SECTION 10

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	1/18/2018				
DATA FILE NO.	H4163.30				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	12.3 mm Provenza Affinity Engineered Hardwood, 9.42 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Receive Temp.	20.5	Source Temp.	19.6
TECHNICIAN	LSH	Receive Humidity	49%	Source Humidity	53%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	SOURCE SPL (dB)	RECEIVE SPL (dB)	SPECIMEN TL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	28.3	5.8	101	65	38	3.1	-
100	28.3	7.5	103	68	37	3.2	-
125	31.4	4.3	102	68	39	1.4	2
160	22.1	5.3	102	65	40	0.8	4
200	15.4	6.5	101	60	44	0.7	3
250	17.7	7.2	99	55	46	0.8	4
315	17.9	7.2	102	57	47	0.8	6
400	13.9	7.5	103	55	50	0.7	6
500	24.3	6.2	101	51	53	0.6	4
630	22.5	6.4	97	42	58	0.5	0
800	23.0	6.3	96	42	57	0.5	2
1000	15.8	6.1	97	39	60	0.5	0
1250	12.6	6.3	99	38	63	0.3	0
1600	13.0	6.6	98	34	67	0.3	0
2000	7.1	7.4	99	28	73	0.4	0
2500	14.5	8.3	100	26	75	0.3	0
3150	9.0	9.1	100	23	78	0.4	0
4000	5.9	10.8	99	19	80	0.4	0
5000	5.5	13.3	96	13	82	0.4	-
6300	5.9	17.1	95	12	81	0.5	-
8000	6.2	22.8	95	9	82	0.5	-
10000	6.5	29.3	94	8	82	0.6	-
STC Rating	57	<i>(Sound Transmission Class)</i>			Sum of Deficiencies	31	

- 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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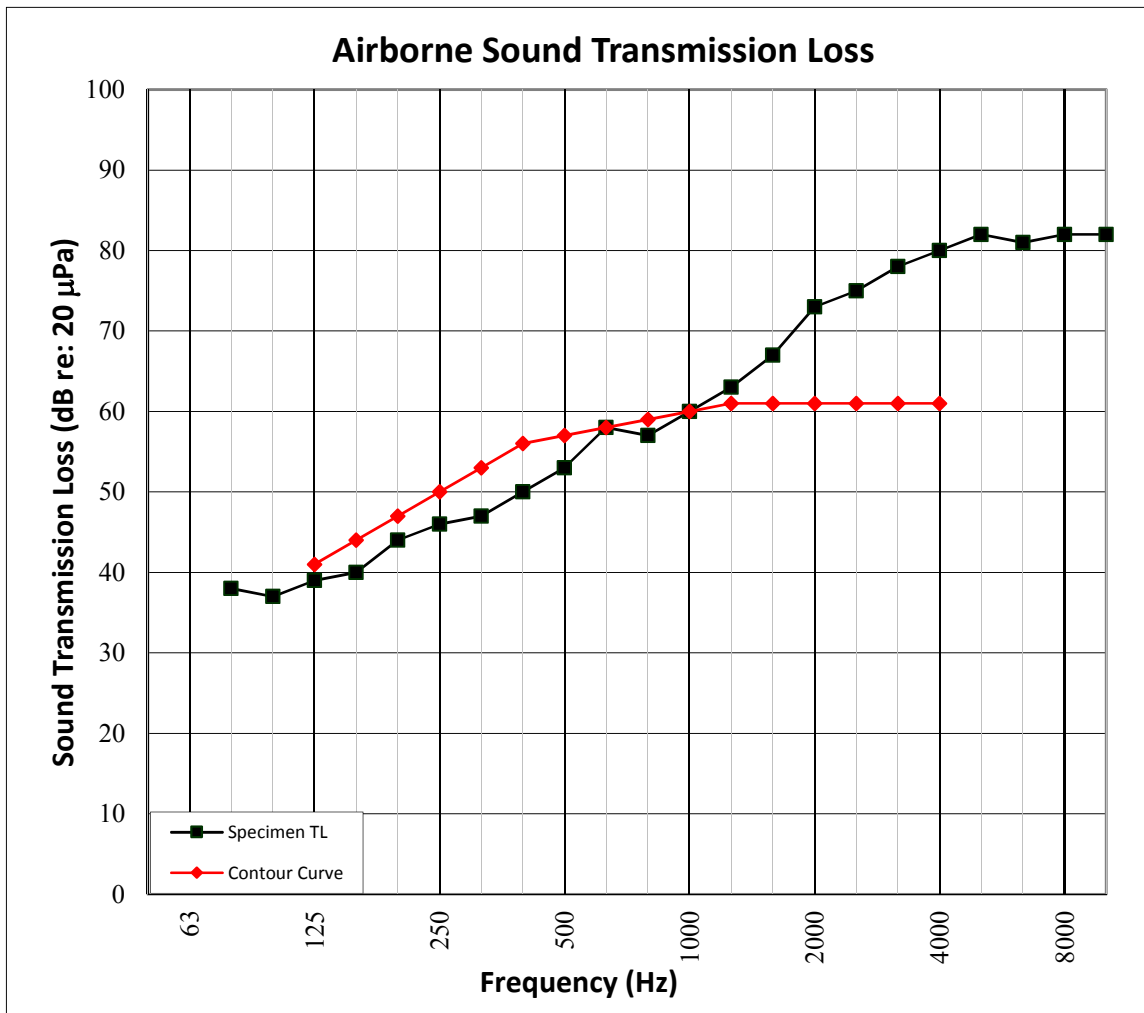
Date: 09/05/19

SECTION 11

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS GRAPH



TEST DATE	1/18/2018				
DATA FILE NO.	H4163.30				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	12.3 mm Provenza Affinity Engineered Hardwood, 9.42 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Receive Temp.	20.5	Source Temp.	19.6
TECHNICIAN	LSH	Receive Humidity	49%	Source Humidity	53%



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

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SECTION 12

TEST RESULTS - IMPACT SOUND TRANSMISSION



TEST DATE	1/18/2018				
DATA FILE NO.	H4163.30				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	12.3 mm Provenza Affinity Engineered Hardwood, 9.42 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	20.5	Minimum Temp.	19.6
TECHNICIAN	LSH	Max. Humidity	49%	Min. Humidity	53%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	NORMALIZED IMPACT SPL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	28.6	5.9	51	2.8	-
100	28.0	6.5	53	1.0	0
125	31.8	4.6	60	1.2	0
160	22.1	5.4	61	0.7	1
200	15.8	6.3	66	0.7	6
250	17.7	6.8	65	1.0	5
315	17.4	7.3	65	0.7	5
400	12.1	7.1	62	0.4	3
500	23.9	6.2	64	0.4	6
630	22.8	6.3	60	0.5	3
800	23.2	6.3	58	0.6	2
1000	16.0	6.2	49	0.3	0
1250	12.7	6.3	46	0.3	0
1600	13.1	6.7	41	0.2	0
2000	7.3	7.5	36	0.3	0
2500	14.5	8.3	31	0.3	0
3150	9.3	9.0	27	0.4	0
4000	5.8	10.8	24	0.7	-
5000	5.6	13.5	19	0.8	-
6300	6.0	17.0	14	1.0	-
8000	6.2	22.9	10	0.5	-
10000	6.4	29.7	11	0.5	-
IIC Rating	52	<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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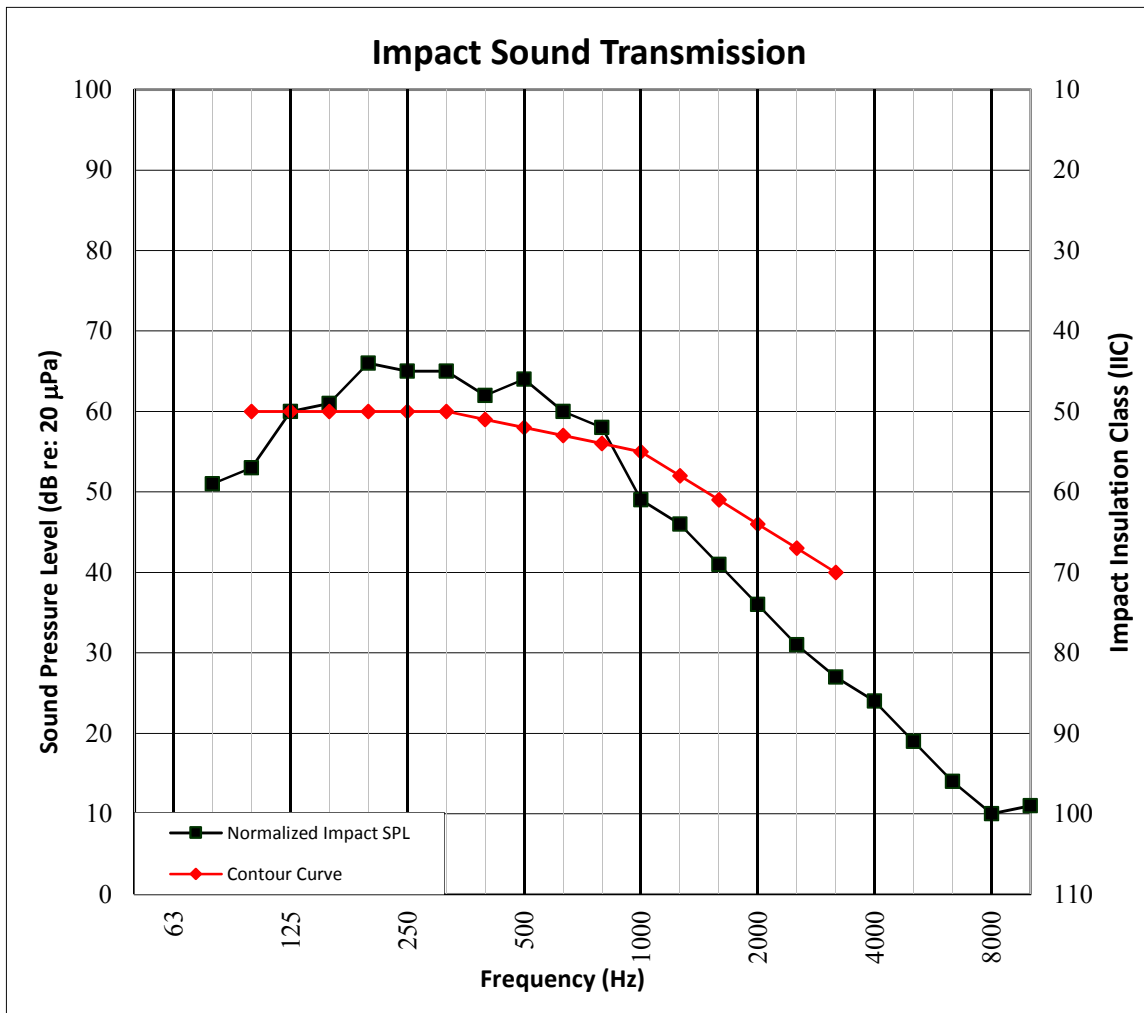
Date: 09/05/19

SECTION 13

TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH



TEST DATE	1/18/2018				
DATA FILE NO.	H4163.30				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	12.3 mm Provenza Affinity Engineered Hardwood, 9.42 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	20.5	Minimum Temp.	19.6
TECHNICIAN	LSH	Max. Humidity	49%	Min. Humidity	53%



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

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Date: 09/05/19

SECTION 14

TEST RESULTS - DELTA IMPACT INSULATION



TEST DATE	1/18/2018				
DATA FILE NO.	H4163.30				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	12.3 mm Provenza Affinity Engineered Hardwood, 9.42 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	20.5	Minimum Temp.	19.6
TECHNICIAN	LSH	Max. Humidity	49%	Min. Humidity	53%

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	28.0	6.5	54.2	1.0	53.3	1.3	66.0	1
125	31.8	4.6	61.4	1.2	59.8	1.5	66.0	1
160	22.1	5.4	62.0	1.1	61.2	0.9	67.0	2
200	15.8	6.3	66.1	1.0	65.9	0.9	68.0	3
250	17.7	6.8	65.2	0.6	64.8	1.2	69.0	4
315	17.4	7.3	68.1	1.1	65.4	0.9	67.0	2
400	12.1	7.1	64.5	0.6	61.7	0.5	67.0	3
500	23.9	6.2	68.4	0.5	64.1	0.6	66.0	3
630	22.8	6.3	64.7	0.5	59.6	0.7	66.0	4
800	23.2	6.3	67.8	0.6	58.0	0.7	62.0	1
1000	16.0	6.2	67.7	0.4	48.6	0.3	53.0	0
1250	12.7	6.3	69.1	0.4	45.8	0.4	49.0	0
1600	13.1	6.7	69.7	0.3	41.3	0.3	44.0	0
2000	7.3	7.5	70.7	0.4	36.0	0.4	37.0	0
2500	14.5	8.3	70.6	0.4	30.6	0.4	32.0	0
3150	9.3	9.0	71.7	0.5	26.9	0.4	27.0	0
ΔIIC Rating	19	<i>(Delta Impact Insulation Class)</i>			Sum of Deficiencies		24	

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

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

Report No.: H4163.30-303-11-R0

Date: 09/05/19

SECTION 15

TEST RESULTS - DELTA IMPACT INSULATION GRAPH



TEST DATE	1/18/2018				
DATA FILE NO.	H4163.30				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	12.3 mm Provenza Affinity Engineered Hardwood, 9.42 mm U.S. Rubber Recycling, Inc. QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	20.5	Minimum Temp.	19.6
TECHNICIAN	LSH	Max. Humidity	49%	Min. Humidity	53%

