

TEST REPORT FOR U.S RUBBER RECYCLING, INC.

Report No.: I9498.01-303-11-R0

Date: 09/05/19

SECTION 10

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	10/29/2018				
DATA FILE NO.	I9498.01				
CLIENT	U.S Rubber Recycling, Inc.				
DESCRIPTION	3.93 mm Shaw Luxury Vinyl Plank, 3.1 mm U. S Rubber Recycling 3mm QuietSound Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Receive Temp.	64.7°C	Source Temp.	63.7°C
TECHNICIAN	MTS	Receive Humidity	59%	Source Humidity	59%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	SOURCE SPL (dB)	RECEIVE SPL (dB)	SPECIMEN TL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	22.8	5.4	99	64	39	2.4	-
100	21.5	5.8	105	69	39	1.7	-
125	22.7	3.9	102	67	39	1.3	0
160	12.6	4.9	100	64	39	1.0	3
200	10.7	5.9	99	58	44	1.2	1
250	9.2	6.5	97	54	46	1.1	2
315	10.7	7.1	101	57	46	0.5	5
400	12.1	7.0	101	56	47	1.4	7
500	12.0	5.8	99	51	50	0.6	5
630	4.1	5.7	95	43	55	0.6	1
800	5.8	5.7	94	40	57	0.3	0
1000	5.2	5.6	95	34	64	0.4	0
1250	3.4	5.8	97	32	68	0.4	0
1600	3.1	6.3	97	28	71	0.3	0
2000	3.0	7.1	98	26	74	0.5	0
2500	3.5	7.8	98	25	75	0.4	0
3150	4.3	8.6	98	24	75	0.3	0
4000	4.8	10.4	97	19	78	0.5	0
5000	5.4	12.8	95	13	81	0.5	-
6300	6.2	16.4	93	13	79	0.7	-
8000	6.6	22.1	94	10	81	1.0	-
10000	6.7	28.9	94	8	81	0.8	-
STC Rating	55	<i>(Sound Transmission Class)</i>			Sum of Deficiencies	24	

- 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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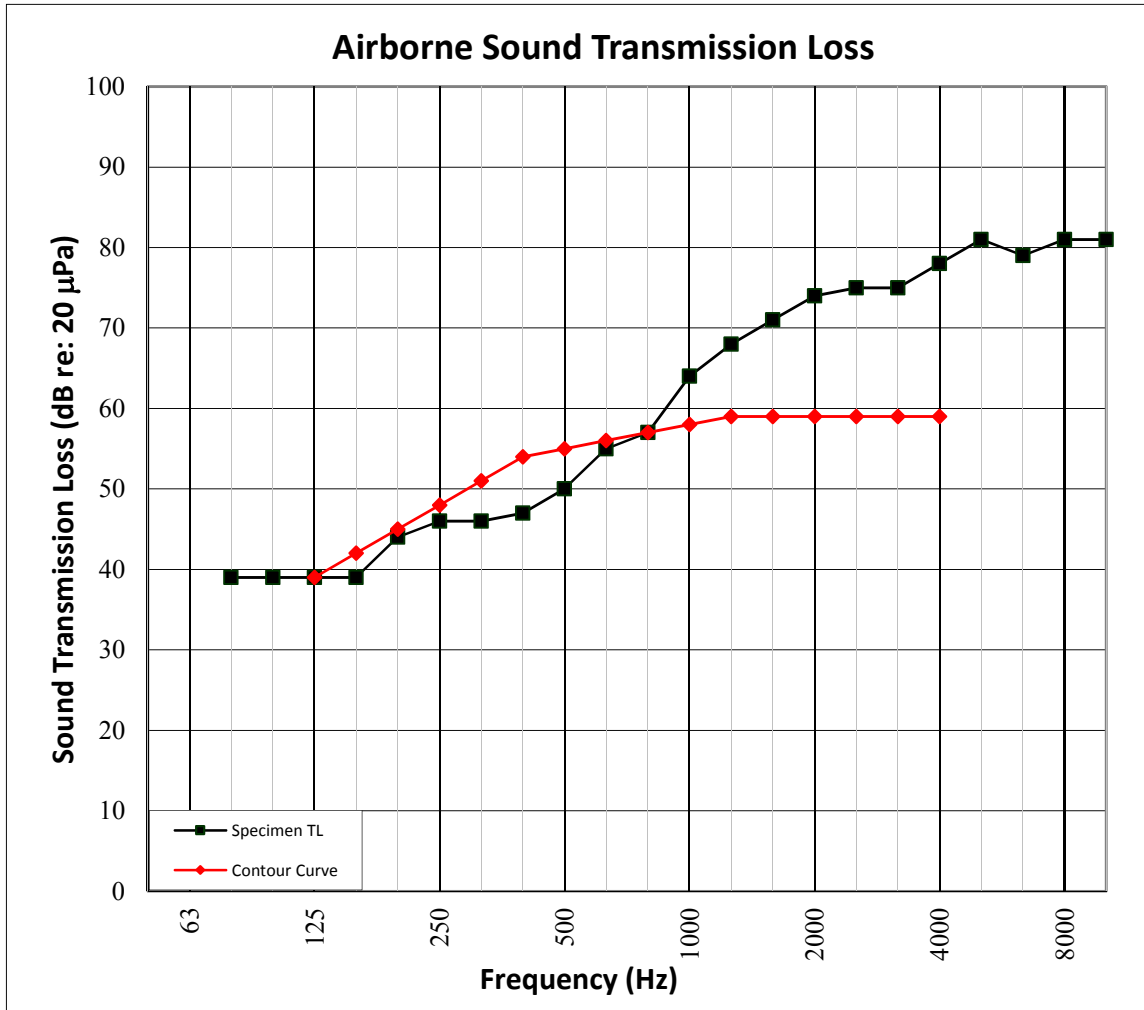
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SECTION 11

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS GRAPH



TEST DATE	10/29/2018				
DATA FILE NO.	I9498.01				
CLIENT	U.S Rubber Recycling, Inc.				
DESCRIPTION	3.93 mm Shaw Luxury Vinyl Plank, 3.1 mm U. S Rubber Recycling 3mm QuietSound Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Receive Temp.	64.7°C	Source Temp.	63.7°C
TECHNICIAN	MTS	Receive Humidity	59%	Source Humidity	59%



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SECTION 12

TEST RESULTS - IMPACT SOUND TRANSMISSION



TEST DATE	10/29/2018				
DATA FILE NO.	I9498.01				
CLIENT	U.S Rubber Recycling, Inc.				
DESCRIPTION	3.93 mm Shaw Luxury Vinyl Plank, 3.1 mm U. S Rubber Recycling 3mm QuietSound Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	64.7°C	Minimum Temp.	63.7°C
TECHNICIAN	MTS	Max. Humidity	59%	Min. Humidity	59%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	NORMALIZED IMPACT SPL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	21.1	5.4	52	1.8	-
100	21.4	6.4	55	0.9	0
125	24.4	4.2	61	1.6	6
160	15.4	5.0	58	0.8	3
200	12.8	6.0	62	0.5	7
250	12.8	6.7	61	0.8	6
315	12.8	7.1	60	1.1	5
400	12.6	6.8	56	0.4	2
500	13.2	5.8	56	0.6	3
630	5.8	5.8	49	0.4	0
800	5.8	5.9	44	0.5	0
1000	6.6	5.6	38	0.3	0
1250	5.4	5.9	34	0.5	0
1600	4.5	6.3	26	0.3	0
2000	4.1	7.1	19	0.5	0
2500	4.8	7.8	11	0.8	0
3150	6.2	8.6	7	0.7	0
4000	6.1	10.3	6	0.4	-
5000	5.9	12.8	6	0.3	-
6300	6.4	16.4	7	0.3	-
8000	6.7	22.2	8	0.4	-
10000	6.7	28.5	9	0.5	-
IIC Rating	57	<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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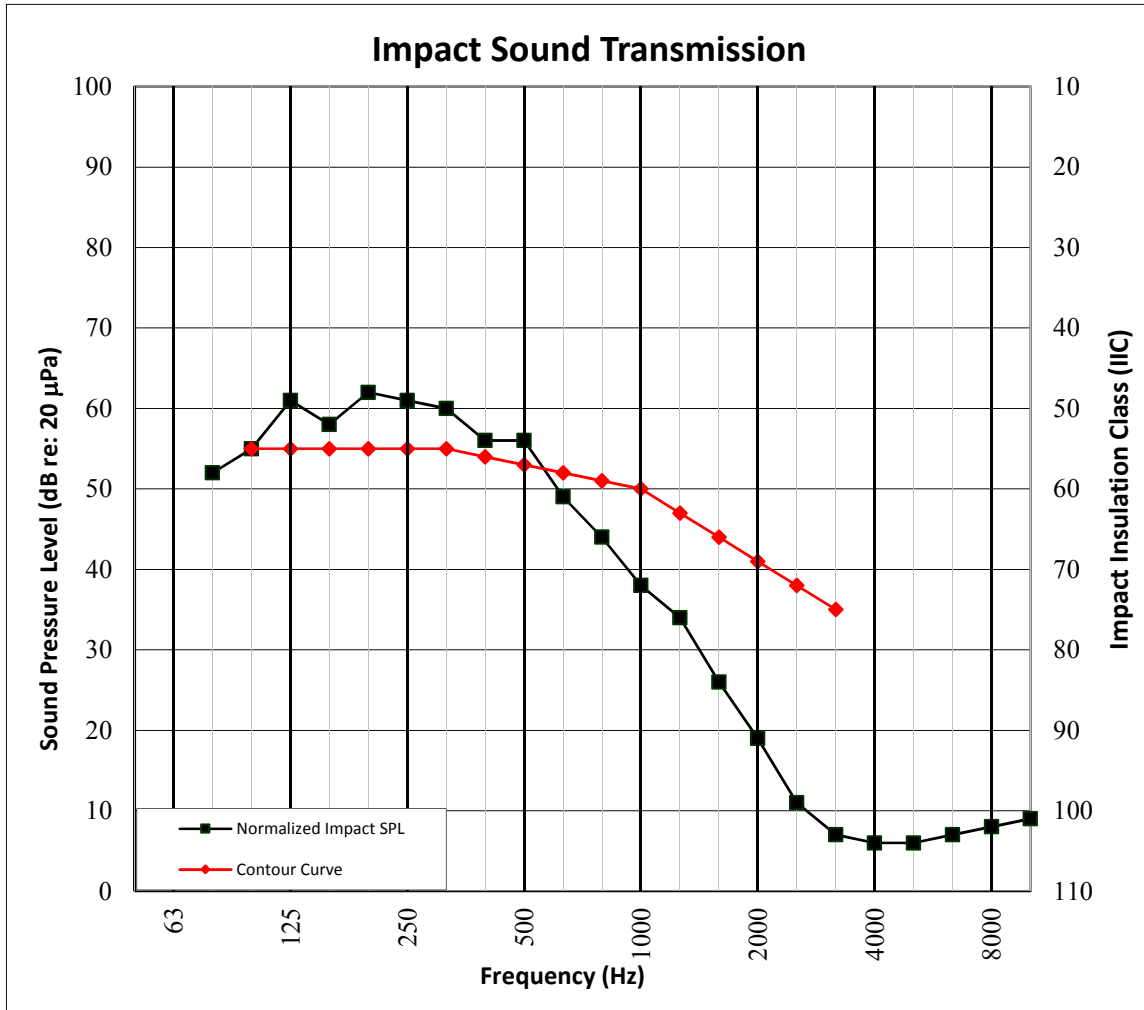
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SECTION 13

TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH



TEST DATE	10/29/2018				
DATA FILE NO.	I9498.01				
CLIENT	U.S Rubber Recycling, Inc.				
DESCRIPTION	3.93 mm Shaw Luxury Vinyl Plank, 3.1 mm U. S Rubber Recycling 3mm QuietSound Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	64.7°C	Minimum Temp.	63.7°C
TECHNICIAN	MTS	Max. Humidity	59%	Min. Humidity	59%



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SECTION 14

TEST RESULTS - DELTA IMPACT INSULATION



TEST DATE	10/29/2018				
DATA FILE NO.	I9498.01				
CLIENT	U.S Rubber Recycling, Inc.				
DESCRIPTION	3.93 mm Shaw Luxury Vinyl Plank, 3.1 mm U. S Rubber Recycling 3mm QuietSound Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	64.7°C	Minimum Temp.	63.7°C
TECHNICIAN	MTS	Max. Humidity	59%	Min. Humidity	59%

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	21.4	6.4	57.5	1.2	55.5	1.1	65.0	4
125	24.4	4.2	61.3	1.9	60.8	2.0	67.0	6
160	15.4	5.0	60.6	0.9	58.2	1.0	66.0	5
200	12.8	6.0	65.8	0.8	61.6	0.7	64.0	3
250	12.8	6.7	66.3	1.2	61.5	1.0	64.0	3
315	12.8	7.1	67.0	1.3	60.3	1.4	63.0	2
400	12.6	6.8	63.6	0.6	55.7	0.5	62.0	2
500	13.2	5.8	67.8	1.0	56.3	0.8	59.0	0
630	5.8	5.8	65.4	0.5	49.5	0.5	55.0	0
800	5.8	5.9	68.1	0.6	44.2	0.6	48.0	0
1000	6.6	5.6	67.5	0.3	38.3	0.3	43.0	0
1250	5.4	5.9	69.7	0.5	34.4	0.6	37.0	0
1600	4.5	6.3	70.0	0.4	26.5	0.4	28.0	0
2000	4.1	7.1	70.6	0.6	19.3	0.6	21.0	0
2500	4.8	7.8	70.5	0.6	11.3	1.0	13.0	0
3150	6.2	8.6	71.7	0.6	7.3	0.8	8.0	0
ΔIIC Rating	23	<i>(Delta Impact Insulation Class)</i>			Sum of Deficiencies	25		

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	10/29/2018				
DATA FILE NO.	I9498.01				
CLIENT	U.S Rubber Recycling, Inc.				
DESCRIPTION	3.93 mm Shaw Luxury Vinyl Plank, 3.1 mm U. S Rubber Recycling 3mm QuietSound Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	64.7°C	Minimum Temp.	63.7°C
TECHNICIAN	MTS	Max. Humidity	59%	Min. Humidity	59%

