

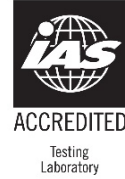
TEST REPORT FOR U.S. RUBBER RECYCLING, INC.

Report No.: H3852.01-303-11-R0

Date: 09/05/19

SECTION 10

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	8/9/2017				
DATA FILE NO.	H3852.01				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.05 mm Armstrong Luxe Plank Luxury Vinyl Flooring, 5.37 mm U.S. Rubber QuietSound Crumb and Kernel Recycled Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Receive Temp.	22.4°C	Source Temp.	20.8°C
TECHNICIAN	LSH	Receive Humidity	50%	Source Humidity	50%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	SOURCE SPL (dB)	RECEIVE SPL (dB)	SPECIMEN TL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
50	26.3	7.60	98.5	61.80	38	2.60	-
63	31.7	7.90	102.4	60.00	44	3.30	-
80	28.6	5.7	99.3	63.8	38.0	2.2	-
100	28.4	6.3	102.1	67.0	38.0	2.1	-
125	36.2	4.3	100.9	66.1	39.0	0.8	0
160	28.3	5.2	99.8	64.0	39.0	1.4	2
200	21.2	6.2	100.5	65.1	38.0	1.1	6
250	19.3	7.0	97.8	59.7	40.0	1.2	7
315	17.7	7.8	100.5	60.5	42.0	1.1	8
400	14.9	7.2	99.9	56.1	46.0	0.9	7
500	15.8	6.3	99.2	49.1	53.0	0.9	1
630	11.4	6.2	96.0	38.4	60.0	0.5	0
800	8.2	6.2	95.9	34.0	64.0	0.4	0
1000	9.7	6.2	96.6	29.6	69.0	0.4	0
1250	7.0	6.3	98.4	29.3	72.0	0.4	0
1600	5.8	6.8	98.7	30.6	70.0	0.5	0
2000	6.4	7.6	99.1	29.4	71.0	0.5	0
2500	5.4	8.4	99.6	29.0	72.0	0.5	0
3150	5.7	9.3	99.6	25.4	75.0	0.5	0
4000	5.2	11.1	99.2	23.9	75.0	0.7	0
5000	5.2	13.6	96.6	18.2	78.0	1.1	-
6300	5.7	17.9	95.5	15.8	78.0	1.0	-
8000	6.0	24.0	95.5	13.0	79.0	1.1	-
10000	6.3	30.8	95.2	9.5	81.0	0.9	-
STC Rating	54	<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

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

Report No.: H3852.01-303-11-R0

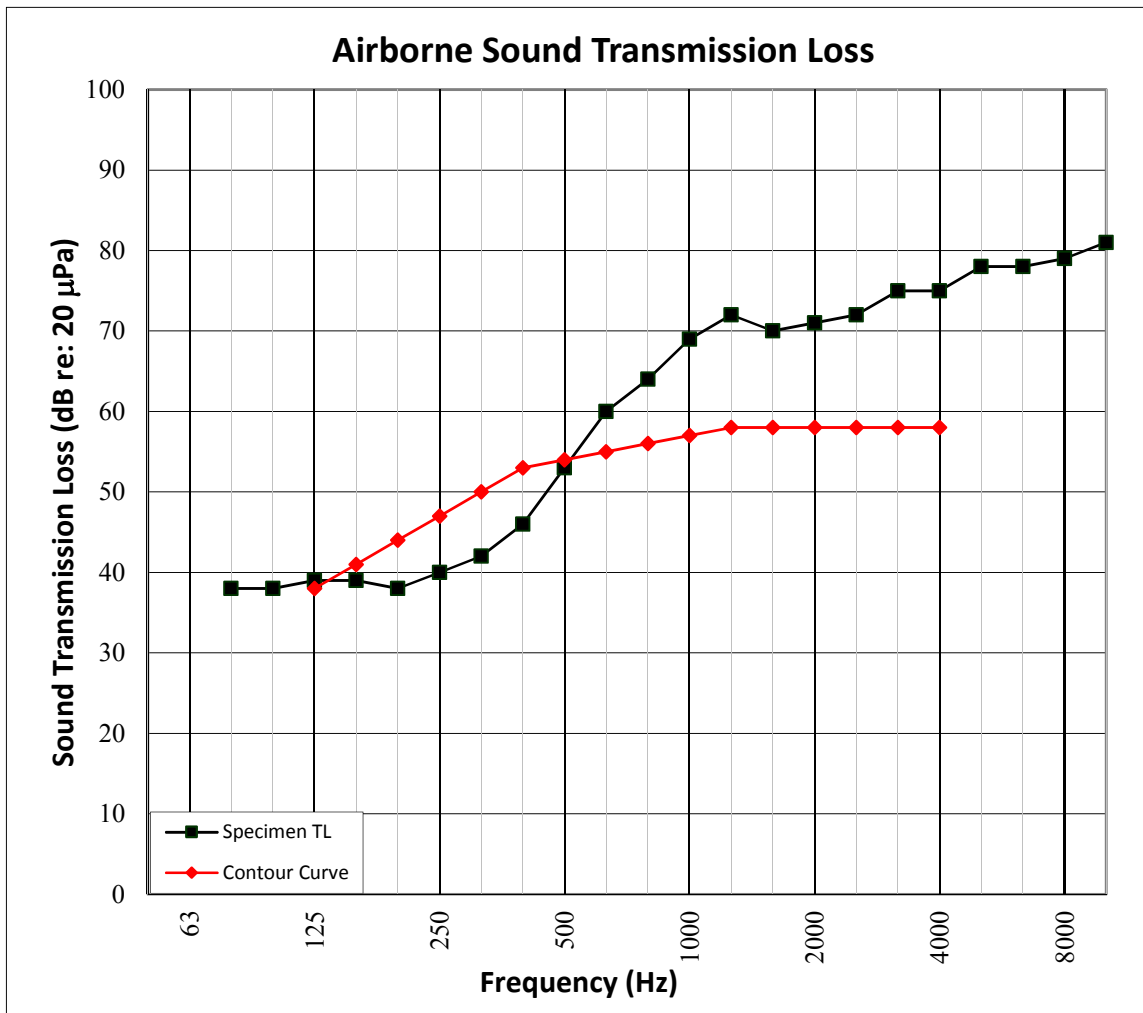
Date: 09/05/19

SECTION 11

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS GRAPH



TEST DATE	8/9/2017				
DATA FILE NO.	H3852.01				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.05 mm Armstrong Luxe Plank Luxury Vinyl Flooring, 5.37 mm U.S. Rubber QuietSound Crumb and Kernel Recycled Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Receive Temp.	22.4°C	Source Temp.	20.8°C
TECHNICIAN	LSH	Receive Humidity	50%	Source Humidity	50%



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

Report No.: H3852.01-303-11-R0

Date: 09/05/19

SECTION 12

TEST RESULTS - IMPACT SOUND TRANSMISSION



TEST DATE	8/9/2017				
DATA FILE NO.	H3852.01				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.05 mm Armstrong Luxe Plank Luxury Vinyl Flooring, 5.37 mm U.S. Rubber QuietSound Crumb and Kernel Recycled Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	22.4°C	Minimum Temp.	20.8°C
TECHNICIAN	LSH	Max. Humidity	50%	Min. Humidity	50%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	NORMALIZED IMPACT SPL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
50	30.9	7.35	53	2.30	-
63	32.7	7.86	55	1.40	-
80	29	6.20	54	1.70	-
100	28.7	6.21	55	1.30	0
125	35.6	4.48	55	1.50	0
160	26.7	4.93	62	1.30	3
200	20.6	6.19	67	1.30	8
250	20	6.98	62	0.60	3
315	16.8	7.56	61	1.00	2
400	14.5	6.98	58	0.60	0
500	16.7	6.16	55	0.90	0
630	9.2	6.28	50	0.50	0
800	7.3	6.25	43	0.40	0
1000	8.2	6.37	32	0.40	0
1250	5.5	6.43	26	0.40	0
1600	3.7	6.73	23	0.40	0
2000	4.7	7.52	22	0.40	0
2500	5.5	8.41	21	0.50	0
3150	5.7	9.39	20	0.50	0
4000	5.4	11.02	17	0.50	-
5000	5.3	13.64	10	0.70	-
6300	5.7	17.93	8	0.40	-
8000	6.1	23.71	8	0.40	-
10000	6.3	30.61	9	0.20	-
IIC Rating	53	<i>(Impact Insulation Class)</i>		Sum of Deficiencies	16

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.: H3852.01-303-11-R0

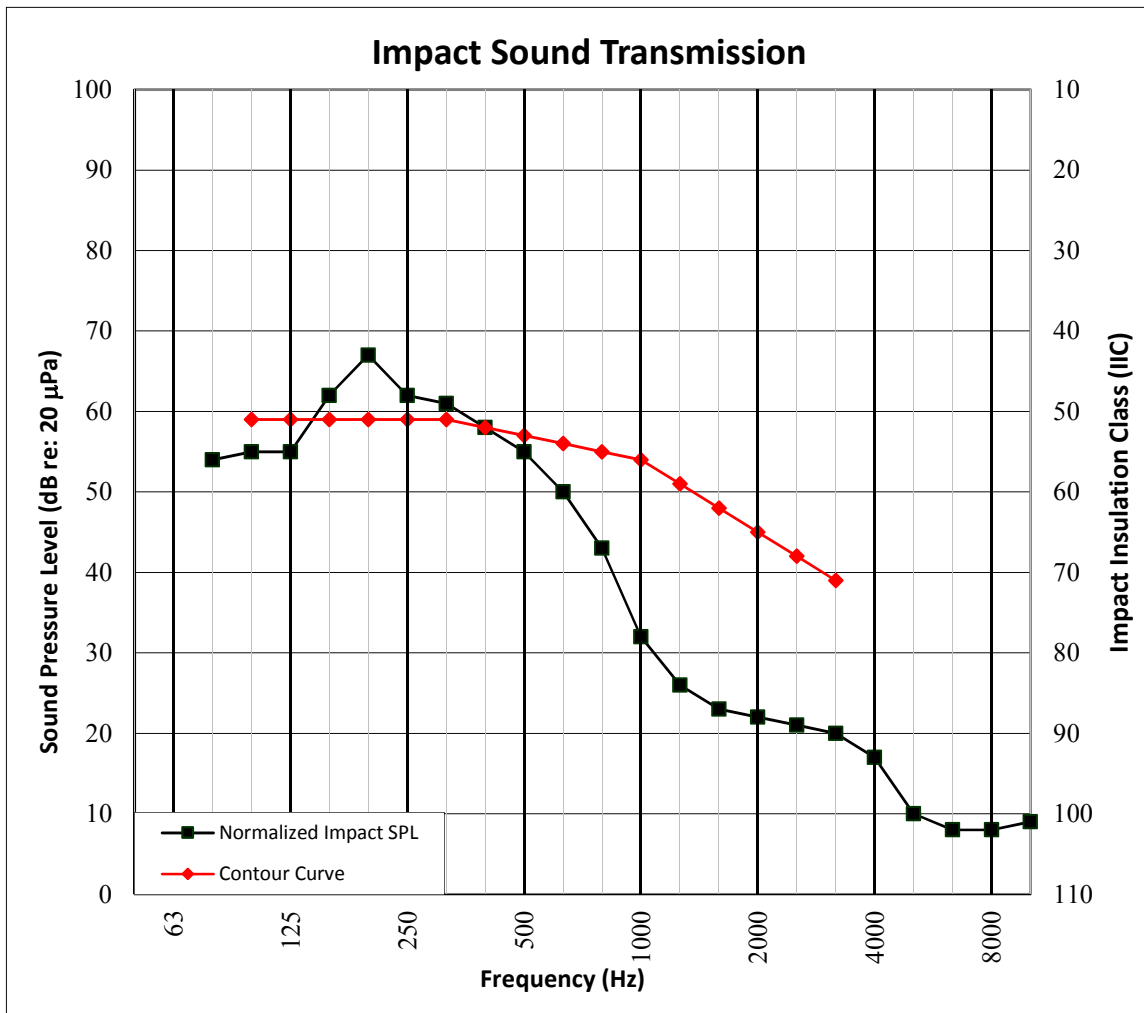
Date: 09/05/19

SECTION 13

TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH



TEST DATE	8/9/2017				
DATA FILE NO.	H3852.01				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.05 mm Armstrong Luxe Plank Luxury Vinyl Flooring, 5.37 mm U.S. Rubber QuietSound Crumb and Kernel Recycled Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	22.4°C	Minimum Temp.	20.8°C
TECHNICIAN	LSH	Max. Humidity	50%	Min. Humidity	50%



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

Report No.: H3852.01-303-11-R0

Date: 09/05/19

SECTION 14

TEST RESULTS - DELTA IMPACT INSULATION



TEST DATE	8/9/2017				
DATA FILE NO.	H3852.01				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.05 mm Armstrong Luxe Plank Luxury Vinyl Flooring, 5.37 mm U.S. Rubber QuietSound Crumb and Kernel Recycled Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	22.4°C	Minimum Temp.	20.8°C
TECHNICIAN	LSH	Max. Humidity	50%	Min. Humidity	50%

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	28.7277387	6.21	52.5	1.4	54.7	1.7	69.0	6
125	35.5627847	4.48	53.2	2.1	54.6	1.8	69.0	6
160	26.7034854	4.93	61.5	1.3	62.3	1.6	69.0	6
200	20.5873702	6.19	68.0	1.7	66.8	1.7	67.0	4
250	20.0497968	6.98	63.6	0.8	61.8	0.8	67.0	4
315	16.7833113	7.56	66.0	1.6	61.3	1.2	65.0	2
400	14.5175131	6.98	64.8	0.9	57.8	0.8	63.0	1
500	16.6568986	6.16	65.6	0.8	55.0	1.1	60.0	0
630	9.18207413	6.28	66.6	0.4	50.0	0.6	54.0	0
800	7.26088375	6.25	66.4	0.4	42.8	0.5	48.0	0
1000	8.23686116	6.37	66.4	0.4	31.9	0.5	37.0	0
1250	5.54070394	6.43	67.6	0.5	26.1	0.4	31.0	0
1600	3.72987912	6.73	68.6	0.3	23.0	0.5	26.0	0
2000	4.66928729	7.52	68.4	0.4	21.8	0.5	25.0	0
2500	5.47693764	8.41	69.4	0.5	20.9	0.6	23.0	0
3150	5.73836598	9.39	70.6	0.6	19.8	0.6	21.0	0

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.: H3852.01-303-11-R0

Date: 09/05/19

SECTION 15

TEST RESULTS - DELTA IMPACT INSULATION GRAPH



TEST DATE	8/9/2017				
DATA FILE NO.	H3852.01				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	8.05 mm Armstrong Luxe Plank Luxury Vinyl Flooring, 5.37 mm U.S. Rubber QuietSound Crumb and Kernel Recycled Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	22.4°C	Minimum Temp.	20.8°C
TECHNICIAN	LSH	Max. Humidity	50%	Min. Humidity	50%

