

TEST REPORT FOR U.S RUBBER RECYCLING, INC.

Report No.: J6659.02-303-11-R0

Date: 09/05/19

SECTION 10

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	4/24/2019				
DATA FILE NO.	J6659.02				
CLIENT	U.S Rubber Recycling, Inc.				
DESCRIPTION	2 mm Quick Step Wood Plank Flooring, 2.09 mm 2mm QuietSound SU Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Receive Temp.	19.9°C	Source Temp.	18.6°C
TECHNICIAN	TND	Receive Humidity	57%	Source Humidity	57%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	SOURCE SPL (dB)	RECEIVE SPL (dB)	SPECIMEN TL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	21.9	5.9	100	67	36	2.5	-
100	21.8	6.0	104	69	37	1.8	-
125	21.5	4.5	101	66	39	1.5	0
160	14.2	5.2	99	65	38	0.9	0
200	8.7	6.6	99	59	43	0.8	0
250	9.9	6.9	98	55	45	0.9	0
315	8.1	7.7	100	59	43	0.9	4
400	3.7	7.2	100	59	42	0.6	8
500	8.2	6.1	97	53	47	0.4	4
630	3.0	6.2	95	41	56	0.6	0
800	3.1	6.3	94	37	60	0.4	0
1000	3.9	6.0	96	32	66	0.4	0
1250	3.4	6.5	98	32	69	0.4	0
1600	2.6	6.6	97	29	70	0.2	0
2000	2.9	7.5	98	27	73	0.3	0
2500	3.4	8.2	98	25	74	0.4	0
3150	4.1	8.8	98	24	76	0.3	0
4000	4.5	10.2	97	19	78	0.5	0
5000	5.0	12.2	94	14	80	0.4	-
6300	5.6	15.5	93	12	79	0.5	-
8000	6.1	20.3	93	10	80	0.7	-
10000	6.3	25.9	93	9	80	0.7	-
STC Rating	51	<i>(Sound Transmission Class)</i>			Sum of Deficiencies	16	

- 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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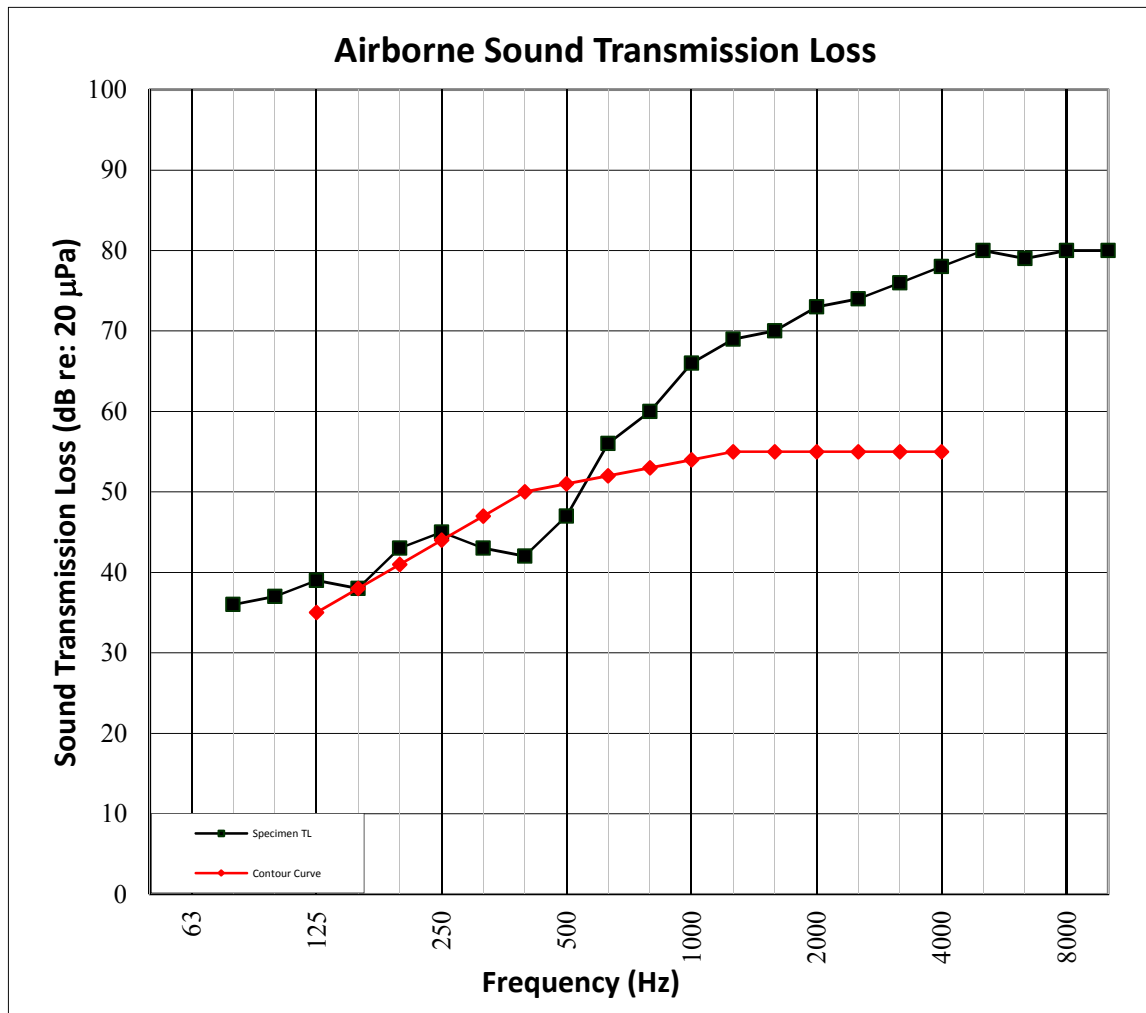
Date: 09/05/19

SECTION 11

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS GRAPH



TEST DATE	4/24/2019				
DATA FILE NO.	J6659.02				
CLIENT	U.S Rubber Recycling, Inc.				
DESCRIPTION	2 mm Quick Step Wood Plank Flooring, 2.09 mm 2mm QuietSound SU Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Receive Temp.	19.9°C	Source Temp.	18.6°C
TECHNICIAN	TND	Receive Humidity	57%	Source Humidity	57%



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SECTION 12

TEST RESULTS - IMPACT SOUND TRANSMISSION



TEST DATE	4/24/2019				
DATA FILE NO.	J6659.02				
CLIENT	U.S Rubber Recycling, Inc.				
DESCRIPTION	2 mm Quick Step Wood Plank Flooring, 2.09 mm 2mm QuietSound SU Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	19.9°C	Minimum Temp.	19.9°C
TECHNICIAN	TND	Max. Humidity	57%	Min. Humidity	57%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	NORMALIZED IMPACT SPL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	23.8	5.6	56	1.8	-
100	22.0	6.0	54	0.8	0
125	22.4	4.4	61	1.2	5
160	16.2	5.2	59	0.8	3
200	9.0	6.2	61	1.0	5
250	9.8	7.3	62	0.8	6
315	8.4	7.4	60	0.9	4
400	3.1	7.0	57	0.5	2
500	7.8	6.3	55	0.8	1
630	2.6	6.3	49	0.2	0
800	3.0	6.4	45	0.5	0
1000	3.4	6.1	38	0.2	0
1250	2.4	6.5	35	0.4	0
1600	2.2	6.7	29	0.3	0
2000	2.4	7.4	21	0.3	0
2500	3.2	8.2	17	0.5	0
3150	4.0	8.8	15	0.6	0
4000	4.4	10.1	13	0.8	-
5000	5.0	12.3	9	0.6	-
6300	5.6	15.4	8	0.6	-
8000	6.1	20.2	8	0.5	-
10000	6.3	25.9	9	0.3	-
IIC Rating	56	<i>(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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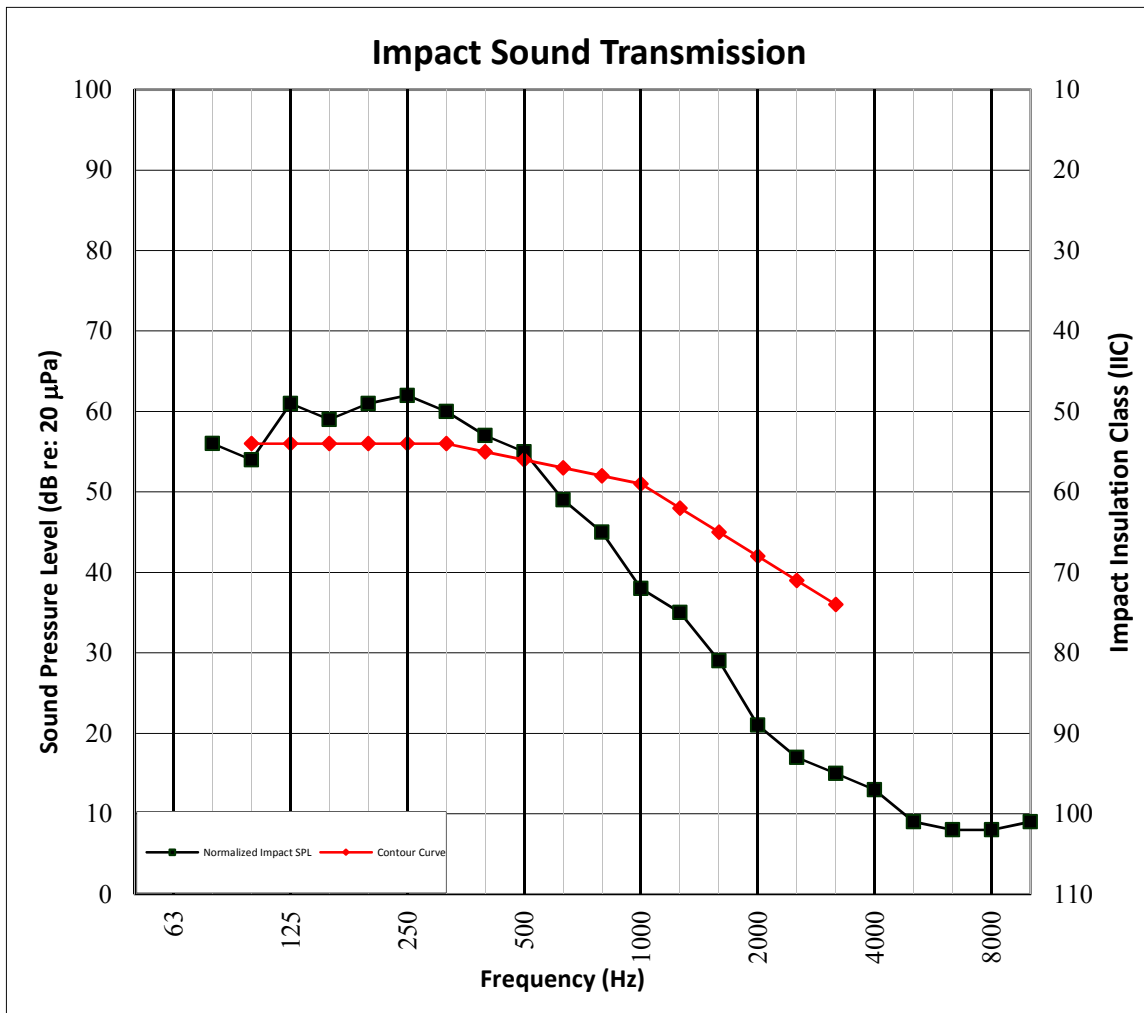
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SECTION 13

TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH



TEST DATE	4/24/2019				
DATA FILE NO.	J6659.02				
CLIENT	U.S Rubber Recycling, Inc.				
DESCRIPTION	2 mm Quick Step Wood Plank Flooring, 2.09 mm 2mm QuietSound SU Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	19.9°C	Minimum Temp.	19.9°C
TECHNICIAN	TND	Max. Humidity	57%	Min. Humidity	57%



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SECTION 14

TEST RESULTS - DELTA IMPACT INSULATION



TEST DATE	4/24/2019				
DATA FILE NO.	J6659.02				
CLIENT	U.S Rubber Recycling, Inc.				
DESCRIPTION	2 mm Quick Step Wood Plank Flooring, 2.09 mm 2mm QuietSound SU Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	19.9°C	Minimum Temp.	19.9°C
TECHNICIAN	TND	Max. Humidity	57%	Min. Humidity	57%

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	22.0	6.0	57.6	1.5	54.4	1.0	64.0	3
125	22.4	4.4	65.1	2.5	61.1	1.5	63.0	2
160	16.2	5.2	61.8	1.4	59.0	1.0	65.0	4
200	9.0	6.2	63.9	1.0	61.4	1.3	66.0	5
250	9.8	7.3	65.6	0.9	62.1	1.0	65.0	4
315	8.4	7.4	65.2	1.3	60.3	1.1	65.0	4
400	3.1	7.0	63.1	0.6	57.1	0.6	64.0	4
500	7.8	6.3	68.0	1.0	55.4	0.9	58.0	0
630	2.6	6.3	66.0	0.4	48.9	0.3	54.0	0
800	3.0	6.4	68.8	0.6	45.4	0.6	48.0	0
1000	3.4	6.1	67.8	0.3	38.0	0.2	42.0	0
1250	2.4	6.5	69.4	0.3	34.8	0.5	37.0	0
1600	2.2	6.7	70.7	0.3	28.7	0.4	30.0	0
2000	2.4	7.4	70.5	0.4	21.0	0.4	22.0	0
2500	3.2	8.2	70.6	0.5	17.3	0.6	19.0	0
3150	4.0	8.8	71.6	0.6	14.9	0.7	15.0	0
ΔIIC Rating	23	<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	4/24/2019				
DATA FILE NO.	J6659.02				
CLIENT	U.S Rubber Recycling, Inc.				
DESCRIPTION	2 mm Quick Step Wood Plank Flooring, 2.09 mm 2mm QuietSound SU Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	19.9°C	Minimum Temp.	19.9°C
TECHNICIAN	TND	Max. Humidity	57%	Min. Humidity	57%

