

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

Report No.: I5320.01-303-11-R0

Date: 09/05/19

SECTION 10

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS



TEST DATE	6/27/2018				
DATA FILE NO.	I5320.01				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	7.8 mm Paradigm Extruded Waterproof Core Luxury, 5 mm U.S. Rubber Recycling 5mm QuietSound Rubber Underlayment, 16.7 mm Oriented Strand Board, 88.9 mm Johns Manville Unfaced R-13 Fiberglass Insulation, 457.2 mm Stone Truss L/360 Open Web Truss, 12.7 ClarkDietrich RC Deluxe™ Resilient Channel, 15.9 mm USG SHEETROCK® Brand FIRECODE® C core Gypsum Panel				
SPECIMEN AREA	11.15 m ²	Receive Temp.	65.6°C	Source Temp.	64.8°C
TECHNICIAN	LSH	Receive Humidity	52%	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
80	27.0	6.9	99	71	30	2.9	-
100	27.6	5.7	104	76	31	1.7	-
125	28.2	4.9	101	70	35	1.3	4
160	26.2	5.1	100	64	38	1.1	4
200	15.6	6.0	99	60	42	1.2	3
250	15.3	6.3	97	53	47	0.8	1
315	12.9	7.0	100	54	48	0.6	3
400	11.9	6.3	101	53	50	0.6	4
500	17.9	5.7	99	52	50	0.6	5
630	9.6	5.6	95	45	52	0.5	4
800	8.0	6.0	94	41	56	0.7	1
1000	10.3	5.5	95	37	61	0.4	0
1250	9.3	6.0	98	38	62	0.4	0
1600	9.3	6.3	97	36	63	0.4	0
2000	10.5	7.3	98	37	63	0.4	0
2500	16.0	8.2	98	36	63	0.3	0
3150	17.7	9.1	98	31	69	0.4	0
4000	13.5	10.7	97	25	73	0.6	0
5000	10.3	13.3	94	18	76	0.9	-
6300	10.0	17.6	93	13	78	0.8	-
8000	8.5	23.7	93	10	80	0.6	-
10000	7.4	30.8	93	8	81	0.8	-
STC Rating	55	<i>(Sound Transmission Class)</i>			Sum of Deficiencies	29	

- 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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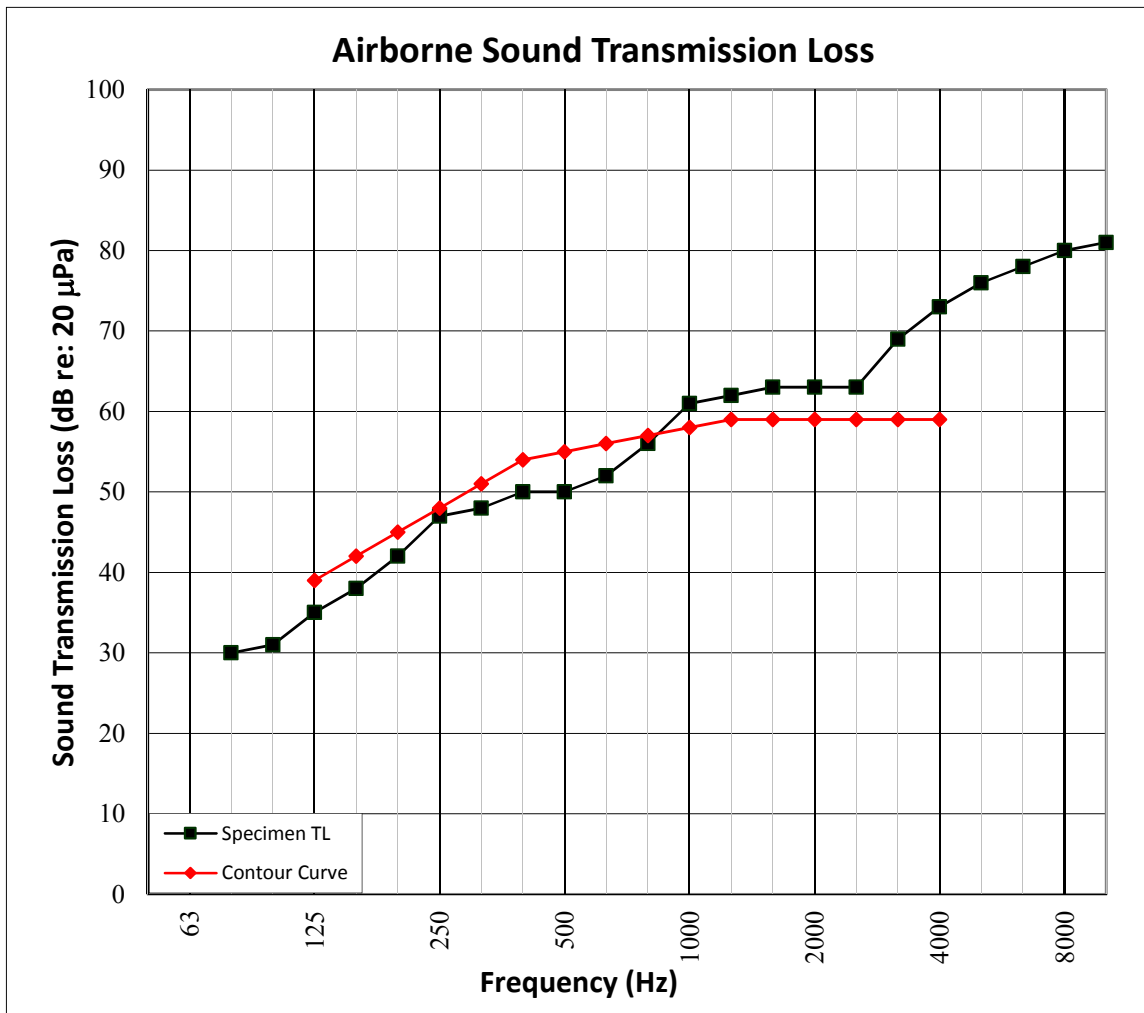
Date: 09/05/19

SECTION 11

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS GRAPH



TEST DATE	6/27/2018				
DATA FILE NO.	I5320.01				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	7.8 mm Paradigm Extruded Waterproof Core Luxury, 5 mm U.S. Rubber Recycling 5mm QuietSound Rubber Underlayment, 16.7 mm Oriented Strand Board, 88.9 mm Johns Manville Unfaced R-13 Fiberglass Insulation, 457.2 mm Stone Truss L/360 Open Web Truss, 12.7 ClarkDietrich RC Deluxe™ Resilient Channel, 15.9 mm USG SHEETROCK® Brand FIRECODE® C core Gypsum Panel				
SPECIMEN AREA	11.15 m ²	Receive Temp.	65.6°C	Source Temp.	64.8°C
TECHNICIAN	LSH	Receive Humidity	52%	Source Humidity	50%



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SECTION 12

TEST RESULTS - IMPACT SOUND TRANSMISSION



TEST DATE	6/27/2018				
DATA FILE NO.	I5320.01				
CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	7.8 mm Paradigm Extruded Waterproof Core Luxury, 5 mm U.S. Rubber Recycling 5mm QuietSound Rubber Underlayment, 16.7 mm Oriented Strand Board, 88.9 mm Johns Manville Unfaced R-13 Fiberglass Insulation, 457.2 mm Stone Truss L/360 Open Web Truss, 12.7 ClarkDietrich RC Deluxe™ Resilient Channel, 15.9 mm USG SHEETROCK® Brand FIRECODE® C core Gypsum Panel				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	65.6°C	Minimum Temp.	64.8°C
TECHNICIAN	LSH	Max. Humidity	52%	Min. Humidity	50%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	NORMALIZED IMPACT SPL (dB)	95% CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
80	37.0	6.9	76	1.8	-
100	40.4	6.2	77	1.1	8
125	35.8	5.2	74	0.9	5
160	34.2	5.1	74	1.0	5
200	29.6	5.7	72	0.7	3
250	28.4	6.2	66	0.8	0
315	25.3	6.8	61	0.4	0
400	18.2	6.3	57	0.3	0
500	20.1	5.7	56	0.3	0
630	17.5	5.7	49	0.2	0
800	18.1	6.0	44	0.1	0
1000	14.5	5.6	40	0.1	0
1250	12.2	6.0	39	0.2	0
1600	9.9	6.3	37	0.1	0
2000	7.1	7.2	39	0.2	0
2500	10.5	8.2	39	0.2	0
3150	6.0	9.1	34	0.2	0
4000	5.7	10.8	31	0.4	-
5000	6.0	13.3	29	0.4	-
6300	6.4	17.6	27	0.4	-
8000	6.7	24.0	26	0.5	-
10000	6.7	30.5	24	0.7	-
IIC Rating	43	<i>(Impact Insulation Class)</i>		Sum of Deficiencies	21

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

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SECTION 13

TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH



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CLIENT	U.S. Rubber Recycling, Inc.				
DESCRIPTION	7.8 mm Paradigm Extruded Waterproof Core Luxury, 5 mm U.S. Rubber Recycling 5mm QuietSound Rubber Underlayment, 16.7 mm Oriented Strand Board, 88.9 mm Johns Manville Unfaced R-13 Fiberglass Insulation, 457.2 mm Stone Truss L/360 Open Web Truss, 12.7 ClarkDietrich RC Deluxe™ Resilient Channel, 15.9 mm USG SHEETROCK® Brand FIRECODE® C core Gypsum Panel				
SPECIMEN AREA	11.15 m ²	Maximum Temp.	65.6°C	Minimum Temp.	64.8°C
TECHNICIAN	LSH	Max. Humidity	52%	Min. Humidity	50%

