

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

Report No.: H4163.22-303-11-R0

Date: 09/05/19

SECTION 10

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS



| | | | | | |
|----------------------|---|-------------------------|-----|------------------------|-----|
| TEST DATE | 4/9/2018 | | | | |
| DATA FILE NO. | H4163.22 | | | | |
| CLIENT | U.S. Rubber Recycling, Inc. | | | | |
| DESCRIPTION | 7.98 mm Daltile Ceramic Tile , 3.12 mm U.S. Rubber Recycling, Inc. 3mm QuietSound Rubber, 152.4 mm 5000 PSI Concrete Slab | | | | |
| SPECIMEN AREA | 11.15 m ² | Receive Temp. | 0°C | Source Temp. | 0°C |
| TECHNICIAN | LSH | Receive Humidity | 0% | Source Humidity | 0% |

| FREQ (Hz) | BACKGROUND SPL (dB) | ABSORPTION m ² | SOURCE SPL (dB) | RECEIVE SPL (dB) | SPECIMEN TL (dB) | 95% CONFIDENCE LIMIT | NUMBER OF DEFICIENCIES |
|-------------------|--------------------------------------|------------------------------|-----------------------|------------------------|----------------------------|----------------------------|------------------------------|
| 80 | 28.4 | 6.3 | 101 | 64 | 39 | 2.7 | - |
| 100 | 26.1 | 6.4 | 103 | 70 | 36 | 3.2 | - |
| 125 | 26.3 | 4.4 | 102 | 70 | 37 | 1.6 | 1 |
| 160 | 20.7 | 5.5 | 101 | 67 | 38 | 1.4 | 3 |
| 200 | 14.7 | 6.4 | 100 | 64 | 39 | 0.6 | 5 |
| 250 | 13.6 | 6.6 | 98 | 58 | 43 | 0.6 | 4 |
| 315 | 9.5 | 7.5 | 103 | 57 | 48 | 0.8 | 2 |
| 400 | 9.3 | 7.3 | 102 | 58 | 46 | 0.6 | 7 |
| 500 | 9.2 | 6.5 | 101 | 53 | 50 | 0.4 | 4 |
| 630 | 8.2 | 6.7 | 97 | 46 | 53 | 0.3 | 2 |
| 800 | 4.9 | 6.7 | 96 | 43 | 55 | 0.4 | 1 |
| 1000 | 7.3 | 6.5 | 97 | 39 | 60 | 0.4 | 0 |
| 1250 | 4.3 | 6.8 | 99 | 38 | 63 | 0.4 | 0 |
| 1600 | 4.4 | 7.0 | 99 | 34 | 68 | 0.4 | 0 |
| 2000 | 5.0 | 7.8 | 100 | 32 | 69 | 0.3 | 0 |
| 2500 | 6.2 | 8.7 | 100 | 28 | 73 | 0.3 | 0 |
| 3150 | 7.7 | 9.6 | 100 | 24 | 76 | 0.3 | 0 |
| 4000 | 6.5 | 11.3 | 99 | 19 | 80 | 0.5 | 0 |
| 5000 | 6.0 | 14.1 | 97 | 14 | 82 | 0.5 | - |
| 6300 | 6.4 | 18.1 | 95 | 13 | 80 | 0.4 | - |
| 8000 | 6.8 | 24.5 | 95 | 9 | 82 | 0.6 | - |
| 10000 | 6.9 | 31.9 | 94 | 8 | 82 | 0.7 | - |
| STC Rating | 54 (Sound Transmission Class) | | | | 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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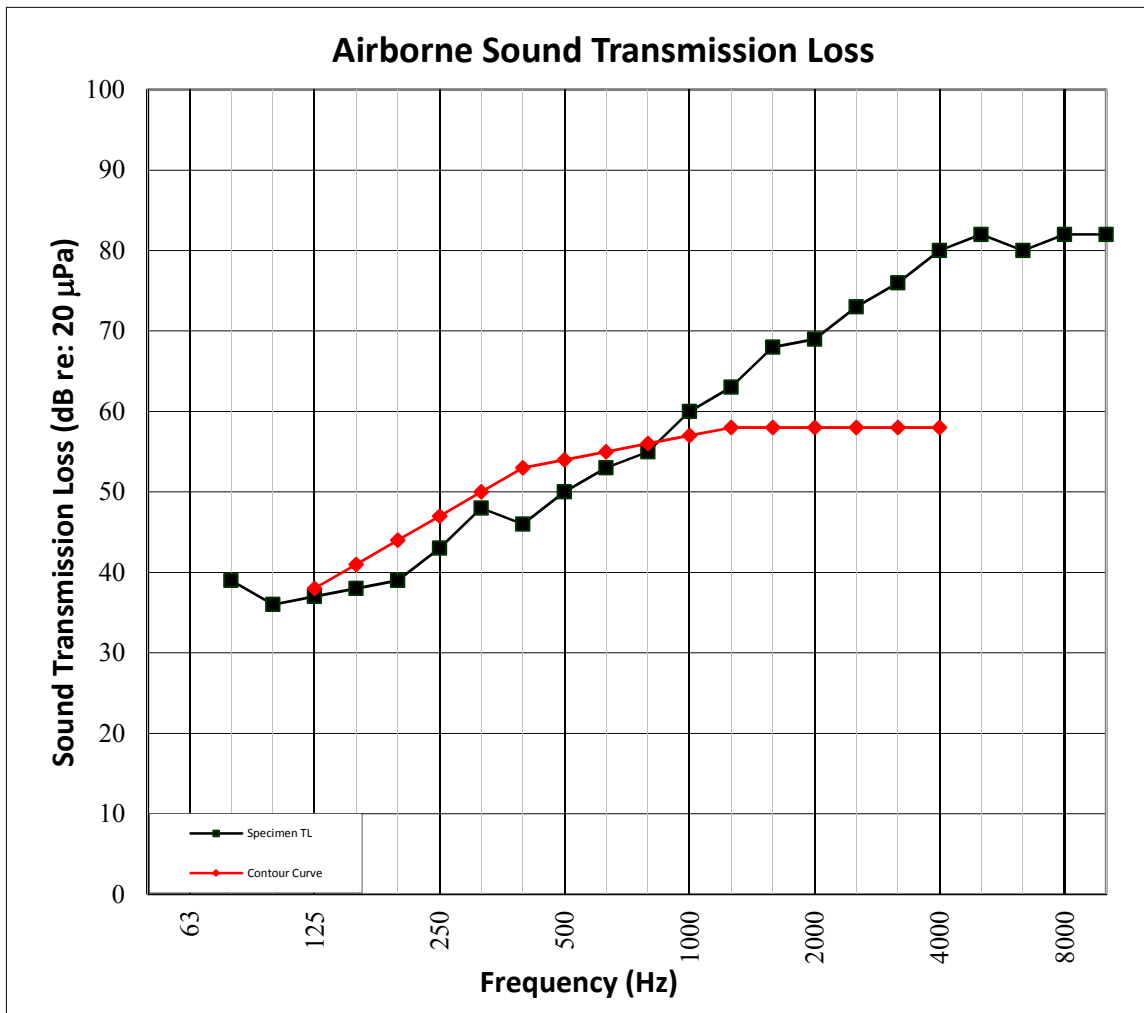
Date: 09/05/19

SECTION 11

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS GRAPH



| | | | | | |
|----------------------|---|-------------------------|-----|------------------------|-----|
| TEST DATE | 4/9/2018 | | | | |
| DATA FILE NO. | H4163.22 | | | | |
| CLIENT | U.S. Rubber Recycling, Inc. | | | | |
| DESCRIPTION | 7.98 mm Daltile Ceramic Tile , 3.12 mm U.S. Rubber Recycling, Inc. 3mm QuietSound Rubber, 152.4 mm 5000 PSI Concrete Slab | | | | |
| SPECIMEN AREA | 11.15 m ² | Receive Temp. | 0°C | Source Temp. | 0°C |
| TECHNICIAN | LSH | Receive Humidity | 0% | Source Humidity | 0% |



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SECTION 12

TEST RESULTS - IMPACT SOUND TRANSMISSION



| | | | | | |
|----------------------|---|----------------------|-----|----------------------|-----|
| TEST DATE | 4/9/2018 | | | | |
| DATA FILE NO. | H4163.22 | | | | |
| CLIENT | U.S. Rubber Recycling, Inc. | | | | |
| DESCRIPTION | 7.98 mm Daltile Ceramic Tile , 3.12 mm U.S. Rubber Recycling, Inc. 3mm QuietSound Rubber, 152.4 mm 5000 PSI Concrete Slab | | | | |
| SPECIMEN AREA | 11.15 m ² | Maximum Temp. | 0°C | Minimum Temp. | 0°C |
| TECHNICIAN | LSH | Max. Humidity | 0% | Min. Humidity | 0% |

| FREQ (Hz) | BACKGROUND SPL (dB) | ABSORPTION m ² | NORMALIZED IMPACT SPL (dB) | 95% CONFIDENCE LIMIT | NUMBER OF DEFICIENCIES |
|-------------------|---------------------------|----------------------------------|-------------------------------|----------------------------|------------------------------|
| 80 | 27.2 | 6.4 | 58 | 1.4 | - |
| 100 | 25.2 | 6.7 | 61 | 2.3 | 0 |
| 125 | 26.2 | 4.2 | 58 | 0.8 | 0 |
| 160 | 20.2 | 5.4 | 63 | 0.7 | 0 |
| 200 | 14.0 | 6.6 | 68 | 0.9 | 3 |
| 250 | 13.3 | 6.8 | 69 | 1.0 | 4 |
| 315 | 9.1 | 7.6 | 68 | 0.8 | 3 |
| 400 | 9.3 | 7.3 | 68 | 0.5 | 4 |
| 500 | 9.4 | 6.5 | 68 | 0.2 | 5 |
| 630 | 8.6 | 6.5 | 66 | 0.4 | 4 |
| 800 | 6.3 | 6.7 | 62 | 0.2 | 1 |
| 1000 | 8.0 | 6.4 | 59 | 0.2 | 0 |
| 1250 | 5.5 | 6.7 | 58 | 0.4 | 1 |
| 1600 | 5.1 | 6.9 | 55 | 0.3 | 1 |
| 2000 | 5.8 | 7.9 | 52 | 0.4 | 1 |
| 2500 | 7.0 | 8.7 | 46 | 0.3 | 0 |
| 3150 | 8.6 | 9.6 | 44 | 0.5 | 0 |
| 4000 | 7.1 | 11.2 | 40 | 0.6 | - |
| 5000 | 6.2 | 14.0 | 35 | 0.9 | - |
| 6300 | 6.6 | 18.1 | 28 | 0.8 | - |
| 8000 | 6.9 | 24.3 | 25 | 0.9 | - |
| 10000 | 6.9 | 31.5 | 21 | 1.2 | - |
| IIC Rating | 47 | <i>(Impact Insulation Class)</i> | | Sum of Deficiencies | 27 |

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

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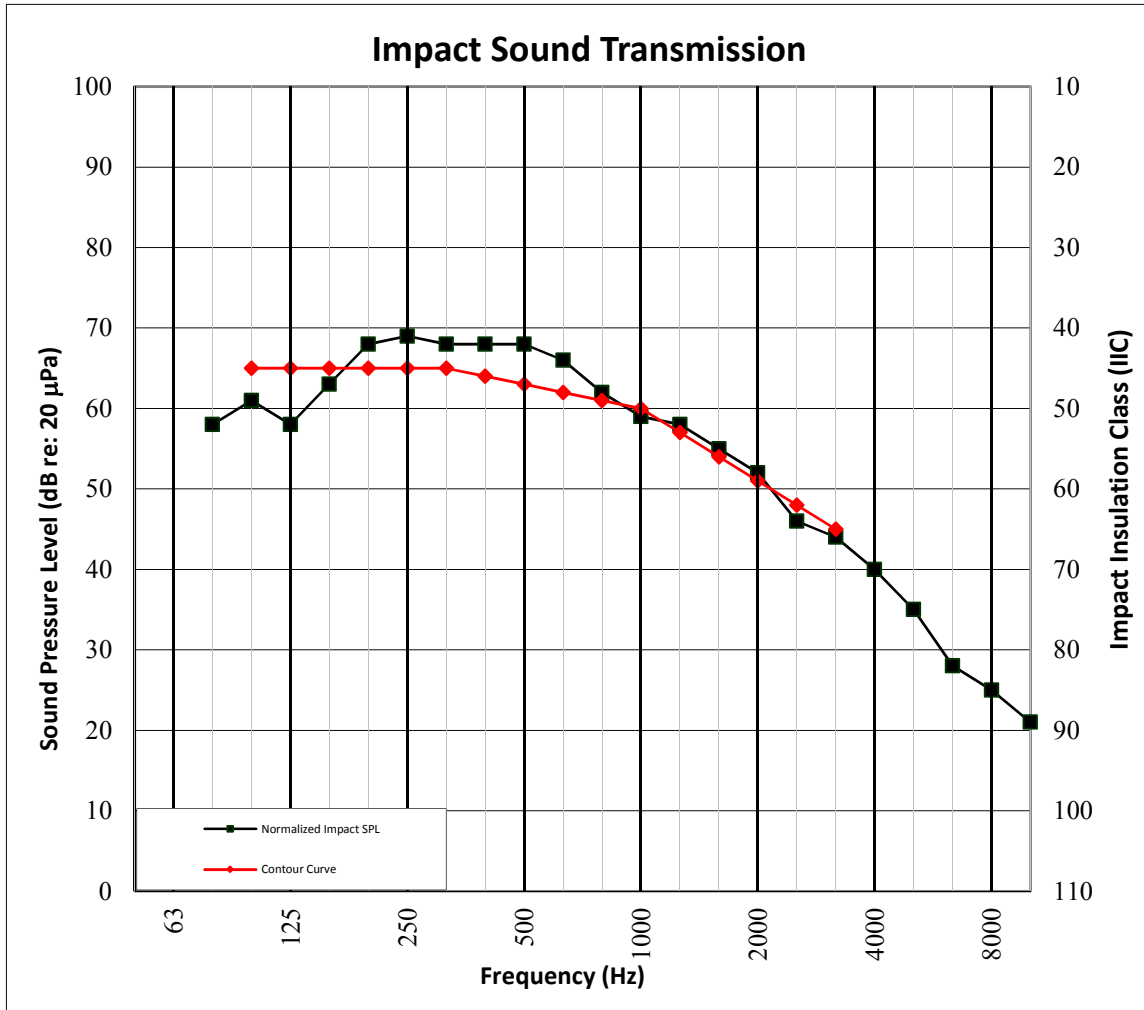
Date: 09/05/19

SECTION 13

TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH



| | | | | | |
|----------------------|---|----------------------|-----|----------------------|-----|
| TEST DATE | 4/9/2018 | | | | |
| DATA FILE NO. | H4163.22 | | | | |
| CLIENT | U.S. Rubber Recycling, Inc. | | | | |
| DESCRIPTION | 7.98 mm Daltile Ceramic Tile , 3.12 mm U.S. Rubber Recycling, Inc. 3mm QuietSound Rubber, 152.4 mm 5000 PSI Concrete Slab | | | | |
| SPECIMEN AREA | 11.15 m ² | Maximum Temp. | 0°C | Minimum Temp. | 0°C |
| TECHNICIAN | LSH | Max. Humidity | 0% | Min. Humidity | 0% |



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SECTION 14

TEST RESULTS - DELTA IMPACT INSULATION



| | | | | | |
|----------------------|---|----------------------|-----|----------------------|-----|
| TEST DATE | 4/9/2018 | | | | |
| DATA FILE NO. | H4163.22 | | | | |
| CLIENT | U.S. Rubber Recycling, Inc. | | | | |
| DESCRIPTION | 7.98 mm Daltile Ceramic Tile , 3.12 mm U.S. Rubber Recycling, Inc. 3mm QuietSound Rubber, 152.4 mm 5000 PSI Concrete Slab | | | | |
| SPECIMEN AREA | 11.15 m ² | Maximum Temp. | 0°C | Minimum Temp. | 0°C |
| TECHNICIAN | LSH | Max. Humidity | 0% | Min. Humidity | 0% |

| 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 | 25.2 | 6.7 | 59.6 | 1.3 | 60.7 | 2.8 | 68.0 | 3 |
| 125 | 26.2 | 4.2 | 63.0 | 0.9 | 58.2 | 1.0 | 63.0 | 0 |
| 160 | 20.2 | 5.4 | 65.7 | 1.5 | 62.9 | 0.9 | 65.0 | 0 |
| 200 | 14.0 | 6.6 | 67.6 | 0.7 | 68.4 | 1.1 | 69.0 | 4 |
| 250 | 13.3 | 6.8 | 68.3 | 0.7 | 68.7 | 1.2 | 69.0 | 4 |
| 315 | 9.1 | 7.6 | 69.1 | 0.9 | 67.8 | 1.1 | 68.0 | 3 |
| 400 | 9.3 | 7.3 | 69.7 | 0.4 | 67.9 | 0.6 | 68.0 | 4 |
| 500 | 9.4 | 6.5 | 68.3 | 0.6 | 67.7 | 0.3 | 70.0 | 7 |
| 630 | 8.6 | 6.5 | 70.1 | 0.5 | 66.1 | 0.5 | 67.0 | 5 |
| 800 | 6.3 | 6.7 | 71.9 | 0.4 | 62.2 | 0.3 | 62.0 | 1 |
| 1000 | 8.0 | 6.4 | 71.5 | 0.3 | 59.0 | 0.3 | 60.0 | 0 |
| 1250 | 5.5 | 6.7 | 72.5 | 0.4 | 57.9 | 0.5 | 57.0 | 0 |
| 1600 | 5.1 | 6.9 | 73.2 | 0.4 | 55.4 | 0.4 | 54.0 | 0 |
| 2000 | 5.8 | 7.9 | 73.5 | 0.3 | 51.7 | 0.5 | 50.0 | 0 |
| 2500 | 7.0 | 8.7 | 73.8 | 0.2 | 46.2 | 0.4 | 44.0 | 0 |
| 3150 | 8.6 | 9.6 | 74.1 | 0.4 | 44.0 | 0.6 | 42.0 | 0 |
| ΔIIC Rating | 19 | <i>(Delta 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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SECTION 15

TEST RESULTS - DELTA IMPACT INSULATION GRAPH



| | | | | | |
|----------------------|---|----------------------|-----|----------------------|-----|
| TEST DATE | 4/9/2018 | | | | |
| DATA FILE NO. | H4163.22 | | | | |
| CLIENT | U.S. Rubber Recycling, Inc. | | | | |
| DESCRIPTION | 7.98 mm Daltile Ceramic Tile , 3.12 mm U.S. Rubber Recycling, Inc. 3mm QuietSound Rubber, 152.4 mm 5000 PSI Concrete Slab | | | | |
| SPECIMEN AREA | 11.15 m ² | Maximum Temp. | 0°C | Minimum Temp. | 0°C |
| TECHNICIAN | LSH | Max. Humidity | 0% | Min. Humidity | 0% |

