

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

Report No.: H4163.12-303-11-R0

Date: 09/05/19

SECTION 10

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS



| | | | | | |
|----------------------|---|-------------------------|------|------------------------|------|
| TEST DATE | 1/10/2018 | | | | |
| DATA FILE NO. | H4163.12 | | | | |
| CLIENT | U.S. Rubber Recycling, Inc. | | | | |
| DESCRIPTION | 15.14 mm Provenza Floors Studio Moderno Engineered Wood Flooring, 10 mm U.S. Rubber Recycling QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab | | | | |
| SPECIMEN AREA | 11.15 m ² | Receive Temp. | 21.1 | Source Temp. | 21.1 |
| TECHNICIAN | LSH | Receive Humidity | 45% | Source Humidity | 45% |

| FREQ (Hz) | BACKGROUND SPL (dB) | ABSORPTION m ² | SOURCE SPL (dB) | RECEIVE SPL (dB) | SPECIMEN TL (dB) | 95% CONFIDENCE LIMIT | NUMBER OF DEFICIENCIES |
|-------------------|---------------------------|-----------------------------------|-----------------------|------------------------|----------------------------|----------------------------|------------------------------|
| 80 | 29.7 | 5.9 | 102 | 65 | 40 | 3.1 | - |
| 100 | 25.4 | 6.3 | 103 | 68 | 38 | 3.2 | - |
| 125 | 24.0 | 4.5 | 102 | 68 | 38 | 1.1 | 1 |
| 160 | 13.2 | 5.2 | 102 | 66 | 39 | 0.8 | 3 |
| 200 | 8.1 | 6.6 | 101 | 62 | 42 | 0.6 | 3 |
| 250 | 8.0 | 6.9 | 98 | 56 | 45 | 0.5 | 3 |
| 315 | 7.4 | 7.5 | 102 | 58 | 46 | 1.0 | 5 |
| 400 | 10.4 | 7.4 | 102 | 55 | 49 | 0.7 | 5 |
| 500 | 14.9 | 6.1 | 101 | 50 | 53 | 0.4 | 2 |
| 630 | 5.8 | 6.2 | 96 | 43 | 56 | 0.6 | 0 |
| 800 | 3.1 | 6.2 | 96 | 43 | 55 | 0.4 | 2 |
| 1000 | 2.7 | 5.9 | 97 | 41 | 59 | 0.4 | 0 |
| 1250 | 1.8 | 6.3 | 99 | 39 | 62 | 0.3 | 0 |
| 1600 | 2.2 | 6.5 | 98 | 36 | 65 | 0.3 | 0 |
| 2000 | 2.3 | 7.4 | 99 | 32 | 69 | 0.3 | 0 |
| 2500 | 3.1 | 8.2 | 100 | 28 | 73 | 0.4 | 0 |
| 3150 | 4.1 | 8.8 | 100 | 24 | 76 | 0.4 | 0 |
| 4000 | 4.4 | 10.5 | 99 | 21 | 78 | 0.4 | 0 |
| 5000 | 5.1 | 12.7 | 97 | 15 | 81 | 0.4 | - |
| 6300 | 5.7 | 16.4 | 95 | 13 | 81 | 0.3 | - |
| 8000 | 6.1 | 22.4 | 96 | 10 | 82 | 0.5 | - |
| 10000 | 6.4 | 28.7 | 95 | 9 | 82 | 0.5 | - |
| 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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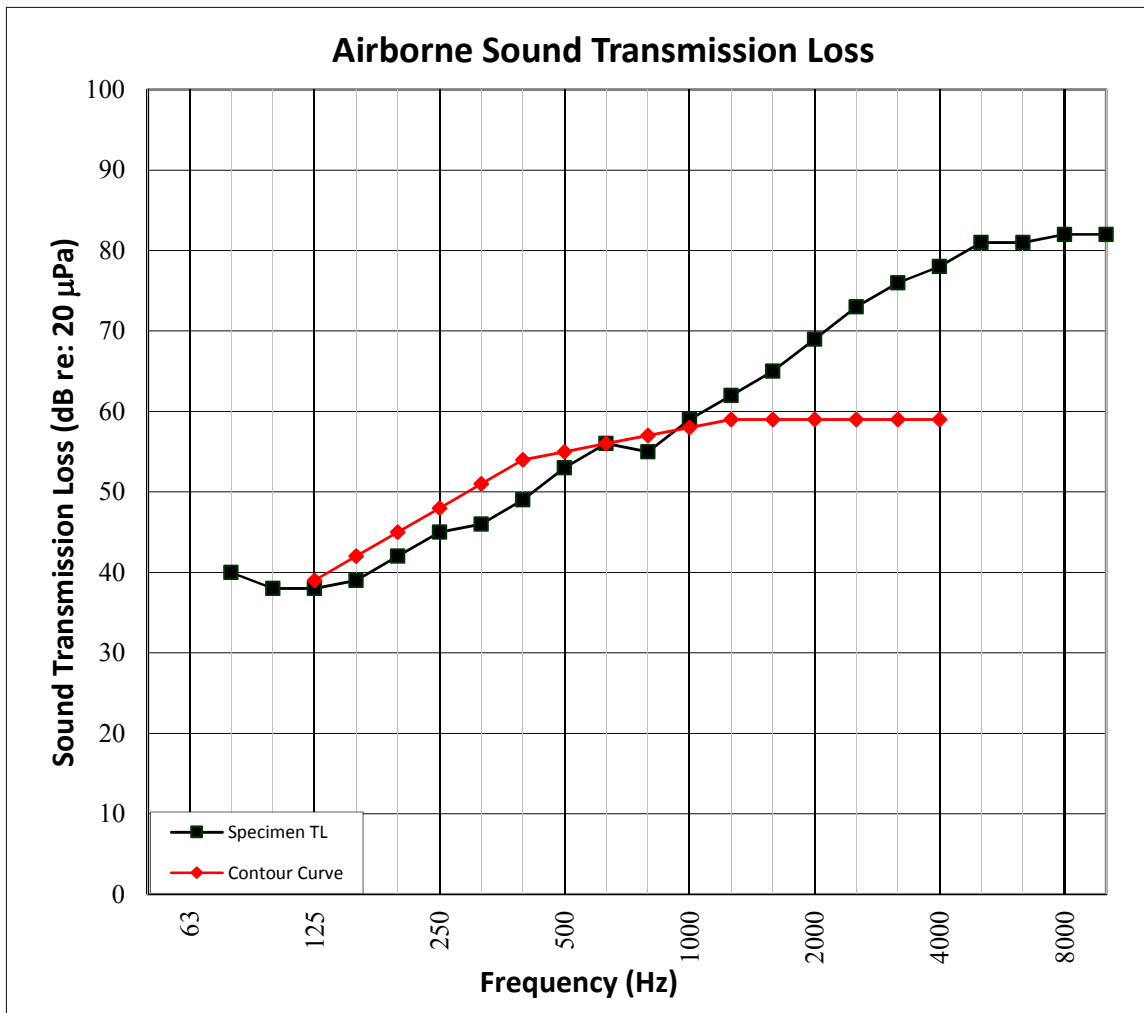
Date: 09/05/19

SECTION 11

TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS GRAPH



| | | | | | |
|----------------------|---|-------------------------|------|------------------------|------|
| TEST DATE | 1/10/2018 | | | | |
| DATA FILE NO. | H4163.12 | | | | |
| CLIENT | U.S. Rubber Recycling, Inc. | | | | |
| DESCRIPTION | 15.14 mm Provenza Floors Studio Moderno Engineered Wood Flooring, 10 mm U.S. Rubber Recycling QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab | | | | |
| SPECIMEN AREA | 11.15 m ² | Receive Temp. | 21.1 | Source Temp. | 21.1 |
| TECHNICIAN | LSH | Receive Humidity | 45% | Source Humidity | 45% |



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SECTION 12

TEST RESULTS - IMPACT SOUND TRANSMISSION



| | | | | | |
|----------------------|---|----------------------|------|----------------------|------|
| TEST DATE | 1/10/2018 | | | | |
| DATA FILE NO. | H4163.12 | | | | |
| CLIENT | U.S. Rubber Recycling, Inc. | | | | |
| DESCRIPTION | 15.14 mm Provenza Floors Studio Moderno Engineered Wood Flooring, 10 mm U.S. Rubber Recycling QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab | | | | |
| SPECIMEN AREA | 11.15 m ² | Maximum Temp. | 21.1 | Minimum Temp. | 21.1 |
| TECHNICIAN | LSH | Max. Humidity | 45% | Min. Humidity | 45% |

| FREQ (Hz) | BACKGROUND SPL (dB) | ABSORPTION m ² | NORMALIZED IMPACT SPL (dB) | 95% CONFIDENCE LIMIT | NUMBER OF DEFICIENCIES |
|-------------------|---------------------------|----------------------------------|-------------------------------|----------------------------|------------------------------|
| 80 | 21.7 | 5.7 | 50 | 2.2 | - |
| 100 | 23.1 | 6.8 | 61 | 2.1 | 0 |
| 125 | 22.7 | 4.3 | 59 | 1.0 | 0 |
| 160 | 11.7 | 5.2 | 63 | 1.6 | 2 |
| 200 | 7.5 | 6.9 | 65 | 0.9 | 4 |
| 250 | 6.9 | 7.0 | 65 | 0.6 | 4 |
| 315 | 7.2 | 7.5 | 65 | 0.7 | 4 |
| 400 | 10.2 | 7.6 | 62 | 0.4 | 2 |
| 500 | 15.1 | 6.2 | 63 | 0.5 | 4 |
| 630 | 5.2 | 6.1 | 61 | 0.3 | 3 |
| 800 | 2.3 | 6.2 | 60 | 0.5 | 3 |
| 1000 | 2.1 | 6.0 | 52 | 0.3 | 0 |
| 1250 | 1.3 | 6.3 | 48 | 0.2 | 0 |
| 1600 | 1.9 | 6.5 | 44 | 0.2 | 0 |
| 2000 | 2.1 | 7.4 | 38 | 0.3 | 0 |
| 2500 | 3.0 | 8.2 | 34 | 0.3 | 0 |
| 3150 | 4.0 | 8.8 | 30 | 0.4 | 0 |
| 4000 | 4.3 | 10.5 | 27 | 0.6 | - |
| 5000 | 5.0 | 12.9 | 23 | 0.8 | - |
| 6300 | 5.7 | 16.4 | 19 | 0.9 | - |
| 8000 | 6.1 | 22.7 | 13 | 0.9 | - |
| 10000 | 6.4 | 28.9 | 14 | 1.1 | - |
| IIC Rating | 51 | <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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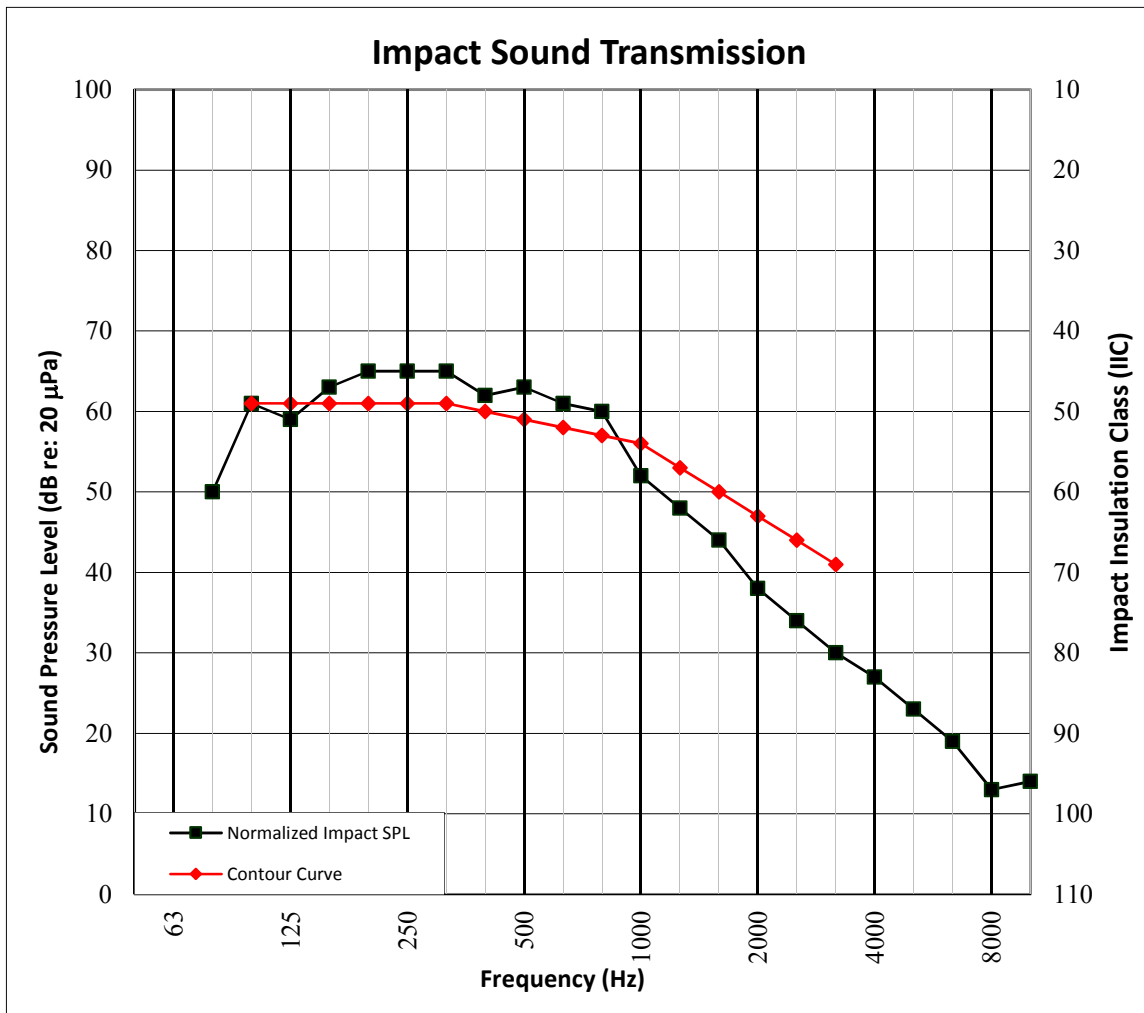
Date: 09/05/19

SECTION 13

TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH



| | | | | | |
|----------------------|---|----------------------|------|----------------------|------|
| TEST DATE | 1/10/2018 | | | | |
| DATA FILE NO. | H4163.12 | | | | |
| CLIENT | U.S. Rubber Recycling, Inc. | | | | |
| DESCRIPTION | 15.14 mm Provenza Floors Studio Moderno Engineered Wood Flooring, 10 mm U.S. Rubber Recycling QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab | | | | |
| SPECIMEN AREA | 11.15 m ² | Maximum Temp. | 21.1 | Minimum Temp. | 21.1 |
| TECHNICIAN | LSH | Max. Humidity | 45% | Min. Humidity | 45% |



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SECTION 14

TEST RESULTS - DELTA IMPACT INSULATION



| | | | | | |
|----------------------|---|----------------------|------|----------------------|------|
| TEST DATE | 1/10/2018 | | | | |
| DATA FILE NO. | H4163.12 | | | | |
| CLIENT | U.S. Rubber Recycling, Inc. | | | | |
| DESCRIPTION | 15.14 mm Provenza Floors Studio Moderno Engineered Wood Flooring, 10 mm U.S. Rubber Recycling QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab | | | | |
| SPECIMEN AREA | 11.15 m ² | Maximum Temp. | 21.1 | Minimum Temp. | 21.1 |
| TECHNICIAN | LSH | Max. Humidity | 45% | Min. Humidity | 45% |

| 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 | 23.1 | 6.8 | 58.2 | 2.9 | 60.5 | 2.6 | 69.0 | 3 |
| 125 | 22.7 | 4.3 | 59.7 | 2.1 | 58.8 | 1.2 | 67.0 | 1 |
| 160 | 11.7 | 5.2 | 61.3 | 2.1 | 62.9 | 2.0 | 70.0 | 4 |
| 200 | 7.5 | 6.9 | 66.4 | 1.8 | 65.2 | 1.2 | 67.0 | 1 |
| 250 | 6.9 | 7.0 | 66.2 | 2.2 | 65.5 | 0.8 | 68.0 | 2 |
| 315 | 7.2 | 7.5 | 66.1 | 1.9 | 65.5 | 0.9 | 69.0 | 3 |
| 400 | 10.2 | 7.6 | 63.8 | 1.8 | 61.9 | 0.5 | 68.0 | 3 |
| 500 | 15.1 | 6.2 | 66.0 | 1.4 | 63.4 | 0.6 | 68.0 | 4 |
| 630 | 5.2 | 6.1 | 64.2 | 1.4 | 61.4 | 0.4 | 68.0 | 5 |
| 800 | 2.3 | 6.2 | 68.5 | 1.6 | 60.3 | 0.7 | 63.0 | 1 |
| 1000 | 2.1 | 6.0 | 66.9 | 1.5 | 51.5 | 0.3 | 57.0 | 0 |
| 1250 | 1.3 | 6.3 | 68.6 | 1.6 | 48.0 | 0.3 | 51.0 | 0 |
| 1600 | 1.9 | 6.5 | 70.0 | 1.3 | 43.7 | 0.3 | 46.0 | 0 |
| 2000 | 2.1 | 7.4 | 70.0 | 1.5 | 38.4 | 0.3 | 40.0 | 0 |
| 2500 | 3.0 | 8.2 | 70.3 | 1.4 | 34.0 | 0.3 | 36.0 | 0 |
| 3150 | 4.0 | 8.8 | 70.7 | 1.6 | 30.0 | 0.5 | 31.0 | 0 |
| ΔIIC Rating | 18 | <i>(Delta 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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SECTION 15

TEST RESULTS - DELTA IMPACT INSULATION GRAPH



| | | | | | |
|----------------------|---|----------------------|------|----------------------|------|
| TEST DATE | 1/10/2018 | | | | |
| DATA FILE NO. | H4163.12 | | | | |
| CLIENT | U.S. Rubber Recycling, Inc. | | | | |
| DESCRIPTION | 15.14 mm Provenza Floors Studio Moderno Engineered Wood Flooring, 10 mm U.S. Rubber Recycling QuietSound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab | | | | |
| SPECIMEN AREA | 11.15 m ² | Maximum Temp. | 21.1 | Minimum Temp. | 21.1 |
| TECHNICIAN | LSH | Max. Humidity | 45% | Min. Humidity | 45% |

