

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

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

Date: 09/05/19

### SECTION 10

#### TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS



|                      |  |                         |      |                        |      |
|----------------------|--|-------------------------|------|------------------------|------|
| <b>TEST DATE</b>     | 11/9/2017  |                         |      |                        |      |
| <b>DATA FILE NO.</b> | H4163.11   |                         |      |                        |      |
| <b>CLIENT</b>        | U.S. Rubber Recycling, Inc.  |                         |      |                        |      |
| <b>DESCRIPTION</b>   | 8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 3.2 mm U.S. Rubber Recycling, Inc. Quietsound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab |                         |      |                        |      |
| <b>SPECIMEN AREA</b> | 11.15 m <sup>2</sup>   | <b>Receive Temp.</b>    | 17.7 | <b>Source Temp.</b>    | 17.4 |
| <b>TECHNICIAN</b>    | LSH  | <b>Receive Humidity</b> | 53%  | <b>Source Humidity</b> | 53%  |

| FREQ<br>(Hz)      | BACKGROUND<br>SPL<br>(dB) | ABSORPTION<br>m <sup>2</sup>      | SOURCE<br>SPL<br>(dB) | RECEIVE<br>SPL<br>(dB) | SPECIMEN<br>TL<br>(dB)     | 95%<br>CONFIDENCE<br>LIMIT | NUMBER<br>OF<br>DEFICIENCIES |
|-------------------|---------------------------|-----------------------------------|-----------------------|------------------------|----------------------------|----------------------------|------------------------------|
| 80                | 24.7                      | 6.0                               | 102                   | 64                     | 41                         | 3.0                        | -                            |
| 100               | 26.4                      | 6.5                               | 102                   | 71                     | 34                         | 2.7                        | -                            |
| 125               | 27.7                      | 4.6                               | 102                   | 68                     | 37                         | 1.4                        | 1                            |
| 160               | 21.2                      | 5.2                               | 102                   | 66                     | 39                         | 1.4                        | 2                            |
| 200               | 17.9                      | 6.3                               | 101                   | 61                     | 43                         | 1.0                        | 1                            |
| 250               | 14.0                      | 7.0                               | 99                    | 56                     | 45                         | 1.0                        | 2                            |
| 315               | 11.5                      | 7.4                               | 102                   | 60                     | 44                         | 1.0                        | 6                            |
| 400               | 12.1                      | 7.1                               | 102                   | 59                     | 45                         | 0.9                        | 8                            |
| 500               | 13.1                      | 6.1                               | 99                    | 54                     | 48                         | 0.5                        | 6                            |
| 630               | 7.0                       | 6.2                               | 96                    | 42                     | 56                         | 0.7                        | 0                            |
| 800               | 7.0                       | 6.3                               | 96                    | 35                     | 64                         | 0.4                        | 0                            |
| 1000              | 7.7                       | 6.2                               | 97                    | 29                     | 70                         | 0.6                        | 0                            |
| 1250              | 4.6                       | 6.3                               | 99                    | 28                     | 74                         | 0.2                        | 0                            |
| 1600              | 5.1                       | 6.7                               | 99                    | 25                     | 76                         | 0.3                        | 0                            |
| 2000              | 9.8                       | 7.6                               | 99                    | 23                     | 78                         | 0.5                        | 0                            |
| 2500              | 7.4                       | 8.6                               | 100                   | 23                     | 78                         | 0.3                        | 0                            |
| 3150              | 7.7                       | 9.5                               | 100                   | 21                     | 80                         | 0.4                        | 0                            |
| 4000              | 9.3                       | 11.6                              | 99                    | 17                     | 82                         | 0.6                        | 0                            |
| 5000              | 6.4                       | 14.6                              | 97                    | 11                     | 84                         | 0.8                        | -                            |
| 6300              | 7.0                       | 18.9                              | 95                    | 11                     | 83                         | 0.6                        | -                            |
| 8000              | 6.4                       | 25.5                              | 95                    | 9                      | 83                         | 1.0                        | -                            |
| 10000             | 6.3                       | 33.4                              | 95                    | 7                      | 83                         | 1.0                        | -                            |
| <b>STC Rating</b> | <b>54</b>                 | <i>(Sound Transmission Class)</i> |                       |                        | <b>Sum of Deficiencies</b> | <b>26</b>                  |                              |

- 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.**

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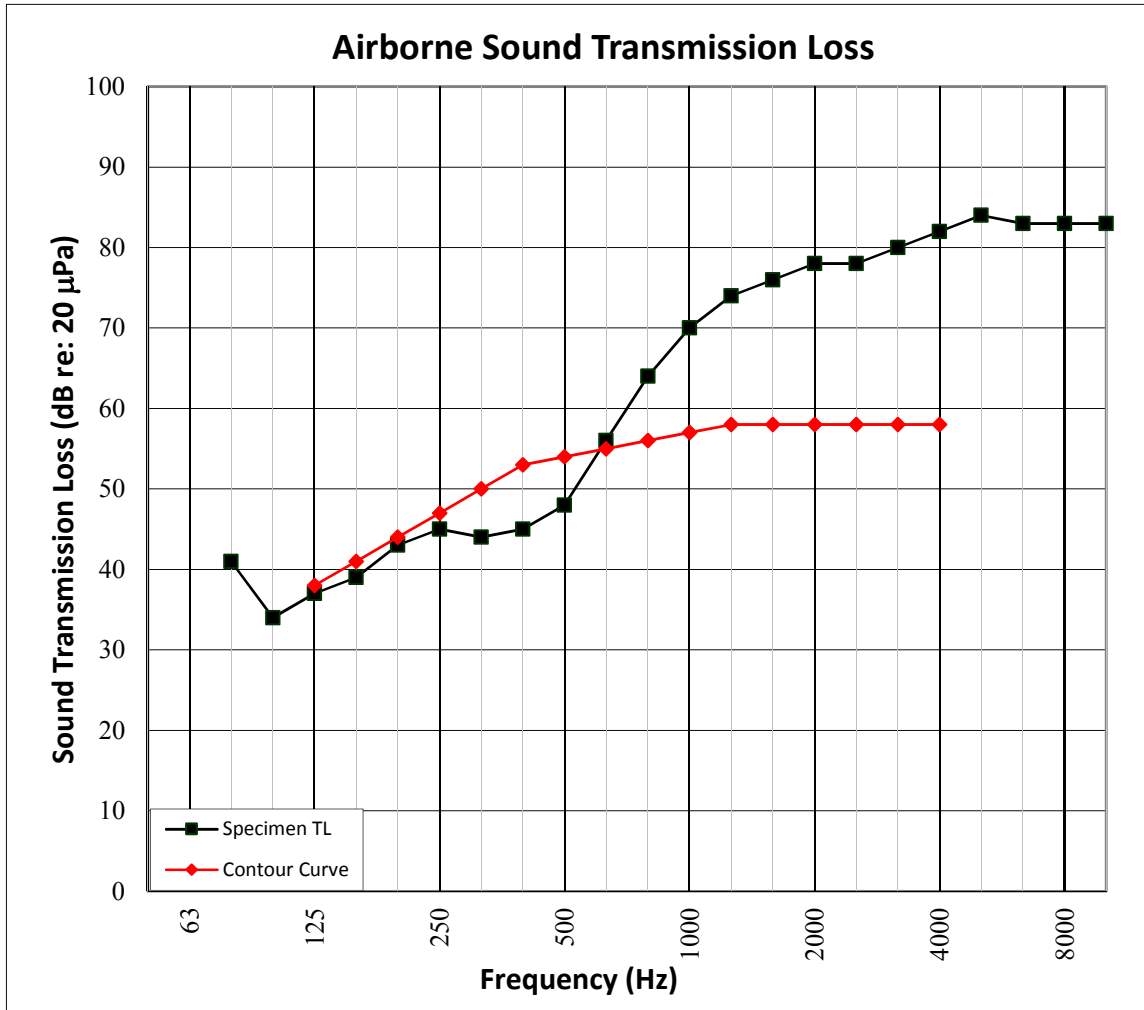
Date: 09/05/19

**SECTION 11**

**TEST RESULTS - AIRBORNE SOUND TRANSMISSION LOSS GRAPH**



|                      |  |                         |      |                        |      |
|----------------------|--|-------------------------|------|------------------------|------|
| <b>TEST DATE</b>     | 11/9/2017  |                         |      |                        |      |
| <b>DATA FILE NO.</b> | H4163.11   |                         |      |                        |      |
| <b>CLIENT</b>        | U.S. Rubber Recycling, Inc.  |                         |      |                        |      |
| <b>DESCRIPTION</b>   | 8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 3.2 mm U.S. Rubber Recycling, Inc. Quietsound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab |                         |      |                        |      |
| <b>SPECIMEN AREA</b> | 11.15 m <sup>2</sup>   | <b>Receive Temp.</b>    | 17.7 | <b>Source Temp.</b>    | 17.4 |
| <b>TECHNICIAN</b>    | LSH  | <b>Receive Humidity</b> | 53%  | <b>Source Humidity</b> | 53%  |



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

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### SECTION 12

#### TEST RESULTS - IMPACT SOUND TRANSMISSION



|                      |  |                      |      |                      |      |
|----------------------|--|----------------------|------|----------------------|------|
| <b>TEST DATE</b>     | 11/9/2017  |                      |      |                      |      |
| <b>DATA FILE NO.</b> | H4163.11   |                      |      |                      |      |
| <b>CLIENT</b>        | U.S. Rubber Recycling, Inc.  |                      |      |                      |      |
| <b>DESCRIPTION</b>   | 8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 3.2 mm U.S. Rubber Recycling, Inc. Quietsound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab |                      |      |                      |      |
| <b>SPECIMEN AREA</b> | 11.15 m <sup>2</sup>   | <b>Maximum Temp.</b> | 17.7 | <b>Minimum Temp.</b> | 17.4 |
| <b>TECHNICIAN</b>    | LSH  | <b>Max. Humidity</b> | 53%  | <b>Min. Humidity</b> | 53%  |

| FREQ<br>(Hz)      | BACKGROUND<br>SPL<br>(dB) | ABSORPTION<br>m <sup>2</sup>     | NORMALIZED IMPACT SPL<br>(dB) | 95%<br>CONFIDENCE<br>LIMIT | NUMBER<br>OF<br>DEFICIENCIES |
|-------------------|---------------------------|----------------------------------|-------------------------------|----------------------------|------------------------------|
| 80                | 25.2                      | 6.0                              | 53                            | 2.3                        | -                            |
| 100               | 25.9                      | 7.1                              | 56                            | 1.0                        | 0                            |
| 125               | 25.3                      | 4.8                              | 61                            | 1.5                        | 5                            |
| 160               | 18.2                      | 5.5                              | 60                            | 0.9                        | 4                            |
| 200               | 13.1                      | 6.3                              | 63                            | 0.7                        | 7                            |
| 250               | 11.2                      | 6.8                              | 62                            | 0.8                        | 6                            |
| 315               | 9.1                       | 7.5                              | 61                            | 0.8                        | 5                            |
| 400               | 6.1                       | 7.1                              | 56                            | 0.6                        | 1                            |
| 500               | 8.4                       | 6.1                              | 55                            | 0.3                        | 1                            |
| 630               | 5.0                       | 6.4                              | 49                            | 0.5                        | 0                            |
| 800               | 5.4                       | 6.2                              | 41                            | 0.5                        | 0                            |
| 1000              | 6.6                       | 6.2                              | 33                            | 0.3                        | 0                            |
| 1250              | 3.7                       | 6.3                              | 32                            | 0.5                        | 0                            |
| 1600              | 2.7                       | 6.7                              | 27                            | 0.4                        | 0                            |
| 2000              | 3.6                       | 7.7                              | 20                            | 0.4                        | 0                            |
| 2500              | 4.5                       | 8.5                              | 17                            | 0.4                        | 0                            |
| 3150              | 6.6                       | 9.6                              | 20                            | 1.5                        | 0                            |
| 4000              | 6.0                       | 11.5                             | 20                            | 1.6                        | -                            |
| 5000              | 5.4                       | 14.5                             | 14                            | 1.2                        | -                            |
| 6300              | 5.9                       | 18.7                             | 14                            | 1.4                        | -                            |
| 8000              | 6.1                       | 25.1                             | 10                            | 0.6                        | -                            |
| 10000             | 6.2                       | 33.0                             | 10                            | 0.4                        | -                            |
| <b>IIC Rating</b> | <b>56</b>                 | <i>(Impact Insulation Class)</i> |                               | <b>Sum of Deficiencies</b> | <b>29</b>                    |

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

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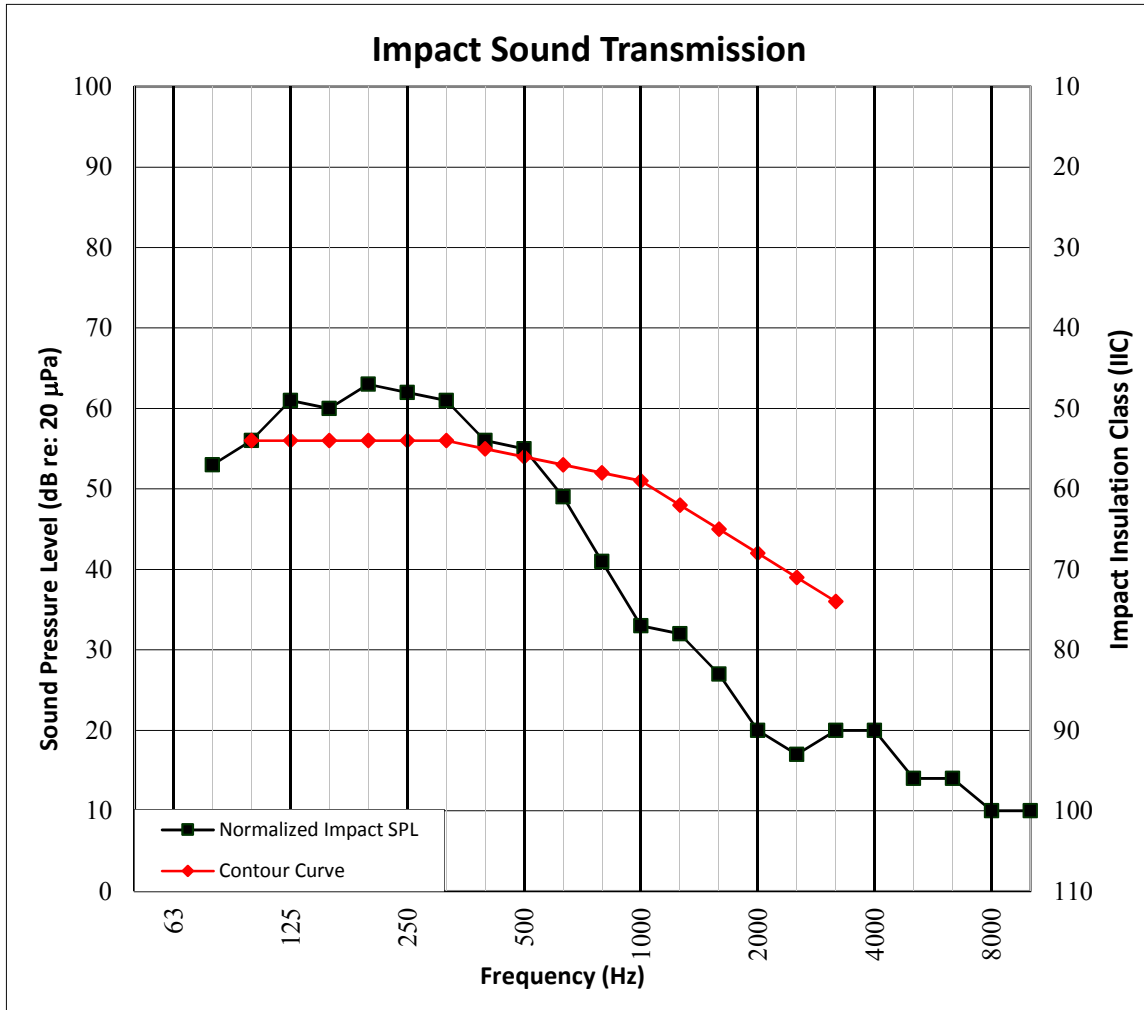
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**SECTION 13**

**TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH**



|                      |  |                      |      |                      |      |
|----------------------|--|----------------------|------|----------------------|------|
| <b>TEST DATE</b>     | 11/9/2017  |                      |      |                      |      |
| <b>DATA FILE NO.</b> | H4163.11   |                      |      |                      |      |
| <b>CLIENT</b>        | U.S. Rubber Recycling, Inc.  |                      |      |                      |      |
| <b>DESCRIPTION</b>   | 8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 3.2 mm U.S. Rubber Recycling, Inc. Quietsound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab |                      |      |                      |      |
| <b>SPECIMEN AREA</b> | 11.15 m <sup>2</sup>   | <b>Maximum Temp.</b> | 17.7 | <b>Minimum Temp.</b> | 17.4 |
| <b>TECHNICIAN</b>    | LSH  | <b>Max. Humidity</b> | 53%  | <b>Min. Humidity</b> | 53%  |



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### SECTION 14

#### TEST RESULTS - DELTA IMPACT INSULATION



|                      |  |                      |      |                      |      |
|----------------------|--|----------------------|------|----------------------|------|
| <b>TEST DATE</b>     | 11/9/2017  |                      |      |                      |      |
| <b>DATA FILE NO.</b> | H4163.11   |                      |      |                      |      |
| <b>CLIENT</b>        | U.S. Rubber Recycling, Inc.  |                      |      |                      |      |
| <b>DESCRIPTION</b>   | 8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 3.2 mm U.S. Rubber Recycling, Inc. Quietsound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab |                      |      |                      |      |
| <b>SPECIMEN AREA</b> | 11.15 m <sup>2</sup>   | <b>Maximum Temp.</b> | 17.7 | <b>Minimum Temp.</b> | 17.4 |
| <b>TECHNICIAN</b>    | LSH  | <b>Max. Humidity</b> | 53%  | <b>Min. Humidity</b> | 53%  |

| FREQ<br>(Hz)       | BACKGROUND<br>SPL<br>(dB) | ABSORPTION<br>m <sup>2</sup>           | NORMALIZED<br>IMPACT SPL<br>BARE (dB) | 95%<br>CONF<br>LIMIT | NORMALIZED<br>IMPACT SPL<br>SPEC (dB) | 95%<br>CONF<br>LIMIT | RESULT<br>ARRAY<br>L <sub>ref,c</sub> | NUMBER<br>OF DEFICIENCIES |
|--------------------|---------------------------|--|---------------------------------------|----------------------|---------------------------------------|----------------------|---------------------------------------|---------------------------|
| 100                | 25.9                      | 7.1                                    | 55.3                                  | 1.7                  | 55.5                                  | 1.3                  | 67.0                                  | 6                         |
| 125                | 25.3                      | 4.8                                    | 62.0                                  | 1.8                  | 61.0                                  | 1.8                  | 67.0                                  | 6                         |
| 160                | 18.2                      | 5.5                                    | 61.4                                  | 1.1                  | 59.9                                  | 1.1                  | 67.0                                  | 6                         |
| 200                | 13.1                      | 6.3                                    | 66.4                                  | 0.8                  | 62.8                                  | 0.9                  | 65.0                                  | 4                         |
| 250                | 11.2                      | 6.8                                    | 66.6                                  | 1.0                  | 61.7                                  | 1.0                  | 64.0                                  | 3                         |
| 315                | 9.1                       | 7.5                                    | 67.4                                  | 1.0                  | 60.9                                  | 1.0                  | 63.0                                  | 2                         |
| 400                | 6.1                       | 7.1                                    | 64.0                                  | 0.6                  | 55.6                                  | 0.8                  | 62.0                                  | 2                         |
| 500                | 8.4                       | 6.1                                    | 67.4                                  | 0.5                  | 54.7                                  | 0.4                  | 58.0                                  | 0                         |
| 630                | 5.0                       | 6.4                                    | 65.8                                  | 0.6                  | 49.2                                  | 0.7                  | 54.0                                  | 0                         |
| 800                | 5.4                       | 6.2                                    | 66.8                                  | 0.5                  | 41.4                                  | 0.7                  | 46.0                                  | 0                         |
| 1000               | 6.6                       | 6.2                                    | 66.1                                  | 0.5                  | 33.1                                  | 0.4                  | 39.0                                  | 0                         |
| 1250               | 3.7                       | 6.3                                    | 68.9                                  | 0.6                  | 31.9                                  | 0.6                  | 35.0                                  | 0                         |
| 1600               | 2.7                       | 6.7                                    | 69.9                                  | 0.5                  | 27.1                                  | 0.5                  | 29.0                                  | 0                         |
| 2000               | 3.6                       | 7.7                                    | 70.2                                  | 0.4                  | 20.4                                  | 0.4                  | 22.0                                  | 0                         |
| 2500               | 4.5                       | 8.5                                    | 70.6                                  | 0.3                  | 17.4                                  | 0.5                  | 19.0                                  | 0                         |
| 3150               | 6.6                       | 9.6                                    | 71.5                                  | 0.5                  | 20.2                                  | 1.9                  | 21.0                                  | 0                         |
| <b>ΔIIC Rating</b> | <b>23</b>                 | <i>(Delta Impact Insulation Class)</i> |                                       |                      | <b>Sum of Deficiencies</b>            |                      | <b>29</b>                             |                           |

**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**



|                      |  |                      |      |                      |      |
|----------------------|--|----------------------|------|----------------------|------|
| <b>TEST DATE</b>     | 11/9/2017  |                      |      |                      |      |
| <b>DATA FILE NO.</b> | H4163.11   |                      |      |                      |      |
| <b>CLIENT</b>        | U.S. Rubber Recycling, Inc.  |                      |      |                      |      |
| <b>DESCRIPTION</b>   | 8.2 mm MAX CORE BY PROVENZA Luxury Vinyl Plank, 3.2 mm U.S. Rubber Recycling, Inc. Quietsound Rubber Underlayment, 203.2 mm 5000 PSI Concrete Slab |                      |      |                      |      |
| <b>SPECIMEN AREA</b> | 11.15 m <sup>2</sup>   | <b>Maximum Temp.</b> | 17.7 | <b>Minimum Temp.</b> | 17.4 |
| <b>TECHNICIAN</b>    | LSH  | <b>Max. Humidity</b> | 53%  | <b>Min. Humidity</b> | 53%  |

