

## TEST REPORT FOR DURA UNDERCUSHIONS LTD.

Report No.: Q0034.11-113-11-R0

Date: 06/08/23

### SECTION 12

#### TEST RESULTS - IMPACT SOUND TRANSMISSION



<b>TEST DATE</b>	5/25/2023				
<b>DATA FILE NO.</b>	Q0034.11				
<b>CLIENT</b>	Dura Undercushions Ltd.				
<b>DESCRIPTION</b>	12.58 mm Shaw ECO Beauty Carpet, 12.7 mm USG DUROCK Cement Board, 12.7 mm USG DUROCK Cement Board, 8 mm DURACOUSTIC Underlayment, 152.4 mm 5000 PSI Concrete Slab, 43 mm Armstrong HD8906 Drywall Main Beam, 37.3 mm Armstrong XL8945P Cross Tee, 88.9 mm Johns Manville Unfaced R-13 Fiberglass Insulation, 15.9 mm National Gypsum Gold Bond® Fire-Shield® Type X Gypsum Panel				
<b>SPECIMEN AREA</b>	10.98 m <sup>2</sup>	<b>Maximum Temp.</b>	20.3°C	<b>Minimum Temp.</b>	20.3°C
<b>TECHNICIAN</b>	CSK	<b>Max. Humidity</b>	61%	<b>Min. Humidity</b>	61%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m <sup>2</sup>	NORMALIZED IMPACT SPL (dB)	95% SAMPLING LIMIT	NUMBER OF DEFICIENCIES
50	30.5	26.3	54	1.4	-
63	28.3	18.9	49	3.0	-
80	27.4	14.5	44	1.8	-
100	24.2	9.5	44	0.8	8
125	24.8	9.4	39	1.5	3
160	21.4	9.3	41	0.9	5
200	15.9	9.1	36	0.8	0
250	15.0	9.9	30	0.8	0
315	17.3	10.3	22	1.1	0
400	17.5	8.4	18	0.8	0
500	17.1	7.9	15	0.9	0
630	18.3	7.7	16	0.6	0
800	15.0	7.9	15	0.8	0
1000	14.6	7.8	15	0.8	0
1250	12.8	7.9	13	0.6	0
1600	9.6	8.3	10	0.8	0
2000	7.0	9.1	7	1.0	0
2500	6.9	9.9	7	1.7	0
3150	7.2	10.6	4	0.6	0
4000	5.7	11.6	5	0.5	-
5000	6.0	13.0	6	0.4	-
6300	6.6	14.9	6	0.3	-
8000	7.3	14.3	7	0.3	-
10000	8.0	14.3	8	0.3	-
<b>IIC Rating</b>	<b>76</b>	<i>(Impact Insulation Class)</i>		<b>Sum of Deficiencies</b>	<b>16</b>
<b>LIIC Rating</b>	<b>79</b>	<i>(Low-Frequency Impact Insulation Class)</i>			

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

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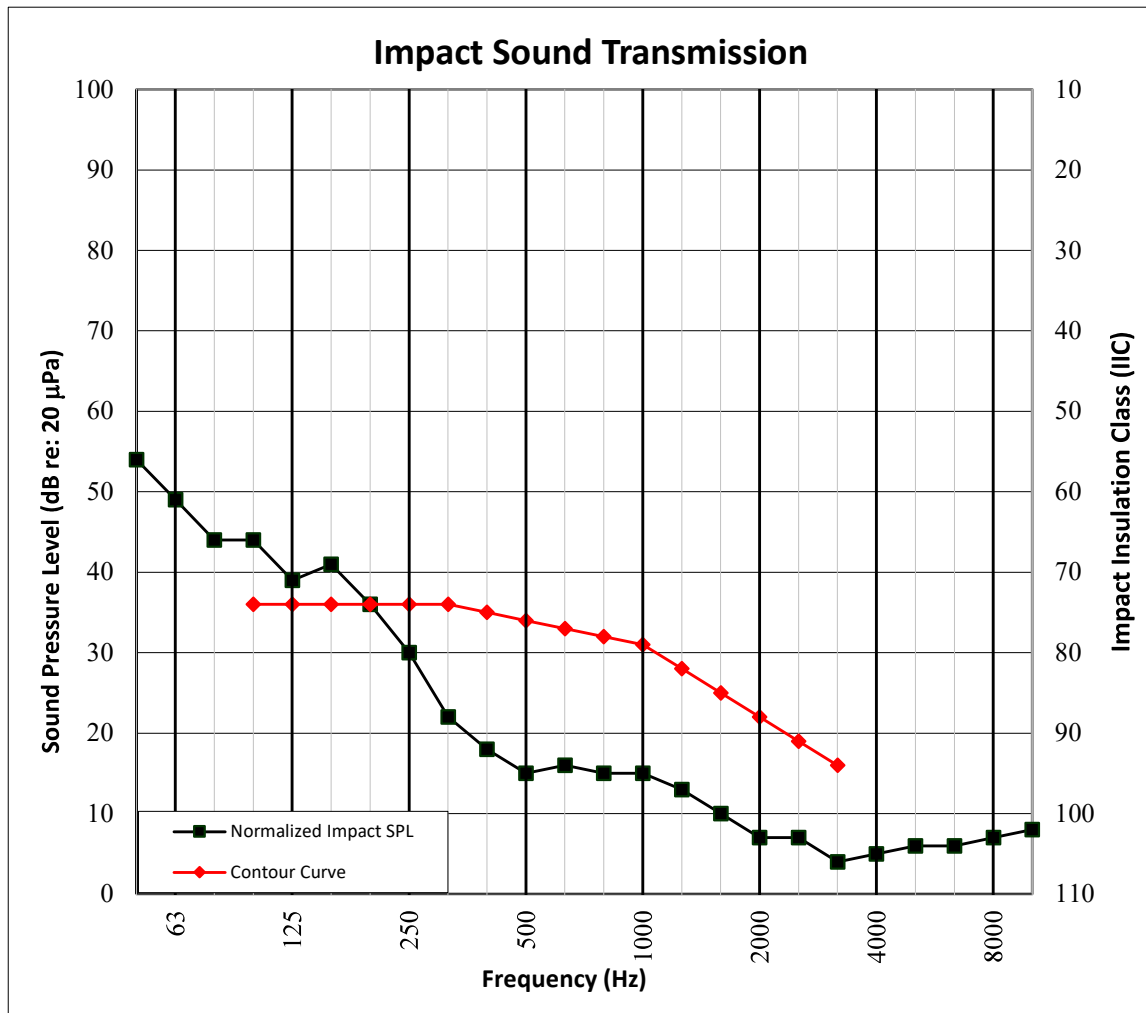
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### SECTION 13

### TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH



<b>TEST DATE</b>	5/25/2023				
<b>DATA FILE NO.</b>	Q0034.11				
<b>CLIENT</b>	Dura Undercushions Ltd.				
<b>DESCRIPTION</b>	12.58 mm Shaw ECO Beauty Carpet, 12.7 mm USG DUROCK Cement Board, 12.7 mm USG DUROCK Cement Board, 8 mm DURACOUSTIC Underlayment, 152.4 mm 5000 PSI Concrete Slab, 43 mm Armstrong HD8906 Drywall Main Beam, 37.3 mm Armstrong XL8945P Cross Tee, 88.9 mm Johns Manville Unfaced R-13 Fiberglass Insulation, 15.9 mm National Gypsum Gold Bond® Fire-Shield® Type X Gypsum Panel				
<b>SPECIMEN AREA</b>	10.98 m <sup>2</sup>	<b>Maximum Temp.</b>	20.3°C	<b>Minimum Temp.</b>	20.3°C
<b>TECHNICIAN</b>	CSK	<b>Max. Humidity</b>	61%	<b>Min. Humidity</b>	61%



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### SECTION 14

#### TEST RESULTS - HIGH-FREQUENCY IMPACT SOUND TRANSMISSION



<b>TEST DATE</b>	5/25/2023				
<b>DATA FILE NO.</b>	Q0034.11				
<b>CLIENT</b>	Dura Undercushions Ltd.				
<b>DESCRIPTION</b>	12.58 mm Shaw ECO Beauty Carpet, 12.7 mm USG DUROCK Cement Board, 12.7 mm USG DUROCK Cement Board, 8 mm DURACOUSTIC Underlayment, 152.4 mm 5000 PSI Concrete Slab, 43 mm Armstrong HD8906 Drywall Main Beam, 37.3 mm Armstrong XL8945P Cross Tee, 88.9 mm Johns Manville Unfaced R-13 Fiberglass Insulation, 15.9 mm National Gypsum Gold Bond® Fire-Shield® Type X Gypsum Panel				
<b>SPECIMEN AREA</b>	10.98 m <sup>2</sup>	<b>Maximum Temp.</b>	20.3°C	<b>Minimum Temp.</b>	20.3°C
<b>TECHNICIAN</b>	CSK	<b>Max. Humidity</b>	61%	<b>Min. Humidity</b>	61%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m <sup>2</sup>	NORMALIZED IMPACT SPL (dB)	95% SAMPLE CONFIDENCE LIMIT	NUMBER OF DEFICIENCIES
400	17.5	8.4	18	0.8	0.0
500	17.1	7.9	15	0.9	0.0
630	18.3	7.7	16	0.6	0.4
800	15.0	7.9	15	0.8	0.4
1000	14.6	7.8	15	0.8	1.1
1250	12.8	7.9	13	0.6	2.5
1600	9.6	8.3	10	0.8	1.9
2000	7.0	9.1	7	1.0	2.4
2500	6.9	9.9	7	1.7	5.3
3150	7.2	10.6	4	0.6	5.3
<b>HIIC Rating</b>	<b>93</b>	<i>(High-Frequency Impact Insulation Class)</i>		<b>Sum of Deficiencies</b>	<b>19.3</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 - HIGH-FREQUENCY IMPACT SOUND TRANSMISSION GRAPH



<b>TEST DATE</b>	5/25/2023				
<b>DATA FILE NO.</b>	Q0034.11				
<b>CLIENT</b>	Dura Undercushions Ltd.				
<b>DESCRIPTION</b>	12.58 mm Shaw ECO Beauty Carpet, 12.7 mm USG DUROCK Cement Board, 12.7 mm USG DUROCK Cement Board, 8 mm DURACOUSTIC Underlayment, 152.4 mm 5000 PSI Concrete Slab, 43 mm Armstrong HD8906 Drywall Main Beam, 37.3 mm Armstrong XL8945P Cross Tee, 88.9 mm Johns Manville Unfaced R-13 Fiberglass Insulation, 15.9 mm National Gypsum Gold Bond® Fire-Shield® Type X Gypsum Panel				
<b>SPECIMEN AREA</b>	10.98 m <sup>2</sup>	<b>Maximum Temp.</b>	20.3°C	<b>Minimum Temp.</b>	20.3°C
<b>TECHNICIAN</b>	CSK	<b>Max. Humidity</b>	61%	<b>Min. Humidity</b>	61%

