

## TEST REPORT FOR DURA UNDERCUSHIONS LTD.

Report No.: Q0034.05-113-11-R0

Date: 06/08/23

### SECTION 12

#### TEST RESULTS - IMPACT SOUND TRANSMISSION



<b>TEST DATE</b>	5/23/2023				
<b>DATA FILE NO.</b>	Q0034.05				
<b>CLIENT</b>	Dura Undercushions Ltd.				
<b>DESCRIPTION</b>	12.58 mm Shaw ECO Beauty Carpet, 7 mm DURALUX 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>	20.7°C	<b>Minimum Temp.</b>	20.6°C
<b>TECHNICIAN</b>	CSK	<b>Max. Humidity</b>	56%	<b>Min. Humidity</b>	56%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m <sup>2</sup>	NORMALIZED IMPACT SPL (dB)	95% SAMPLING LIMIT	NUMBER OF DEFICIENCIES
80	31.0	14.6	40	1.6	-
100	31.5	10.2	35	1.3	8
125	26.6	11.0	28	1.2	1
160	26.0	9.5	24	0.6	0
200	22.1	10.2	20	0.9	0
250	18.6	9.9	18	0.4	0
315	17.4	10.4	21	0.5	0
400	18.5	8.6	20	0.6	0
500	17.9	8.1	19	0.5	0
630	18.8	7.7	17	0.5	0
800	17.7	7.6	14	0.6	0
1000	20.3	7.7	14	0.4	0
1250	18.9	8.0	14	0.3	0
1600	15.8	8.3	11	0.3	0
2000	11.7	9.0	9	0.3	0
2500	10.2	10.1	12	0.3	2
3150	8.0	10.5	8	0.2	1
4000	7.5	11.6	8	0.3	-
5000	8.3	13.2	9	0.2	-
6300	8.8	15.4	9	0.2	-
8000	9.3	15.5	9	0.3	-
10000	10.0	15.5	10	0.3	-
<b>IIC Rating</b>	<b>85</b>	<i>(Impact Insulation Class)</i>		<b>Sum of Deficiencies</b>	<b>12</b>
<b>LIIC Rating</b>	<b>77</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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### SECTION 13

### TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH



<b>TEST DATE</b>	5/23/2023				
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<b>SPECIMEN AREA</b>	10.98 m <sup>2</sup>	<b>Maximum Temp.</b>	20.7°C	<b>Minimum Temp.</b>	20.6°C
<b>TECHNICIAN</b>	CSK	<b>Max. Humidity</b>	56%	<b>Min. Humidity</b>	56%

