

## TEST REPORT FOR DURA UNDERCUSHIONS LTD.

Report No.: Q0034.02-113-11-R0

Date: 06/08/23

### SECTION 12

#### TEST RESULTS - IMPACT SOUND TRANSMISSION



<b>TEST DATE</b>	5/23/2023				
<b>DATA FILE NO.</b>	Q0034.02				
<b>CLIENT</b>	Dura Undercushions Ltd.				
<b>DESCRIPTION</b>	12.58 mm Shaw ECO Beauty Carpet, 10 mm SUPER DURA 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>	20.7°C
<b>TECHNICIAN</b>	CSK	<b>Max. Humidity</b>	55%	<b>Min. Humidity</b>	55%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m <sup>2</sup>	NORMALIZED IMPACT SPL (dB)	95% SAMPLING LIMIT	NUMBER OF DEFICIENCIES
50	38.3	24.2	51	1.9	-
63	44.2	19.8	45	3.0	-
80	35.5	14.5	36	1.6	-
100	29.5	9.4	29	0.9	8
125	25.2	10.1	25	1.3	4
160	22.8	8.9	23	1.1	2
200	21.1	9.0	19	1.0	0
250	17.2	10.2	18	0.8	0
315	19.9	10.4	19	0.5	0
400	20.4	8.5	18	0.4	0
500	18.6	8.1	17	0.7	0
630	20.5	7.8	16	0.4	0
800	17.8	7.7	14	0.4	0
1000	19.6	7.8	16	0.7	0
1250	23.3	7.8	14	0.7	1
1600	13.7	8.1	11	0.7	1
2000	11.3	9.0	9	0.7	2
2500	11.4	10.1	8	0.6	4
3150	9.7	10.5	7	0.5	6
4000	8.7	11.8	7	0.4	-
5000	8.7	13.3	8	0.4	-
6300	10.9	15.6	9	0.4	-
8000	10.2	16.0	10	0.3	-
10000	10.1	16.0	10	0.4	-
<b>IIC Rating</b>	<b>91</b>	<i>(Impact Insulation Class)</i>		<b>Sum of Deficiencies</b>	<b>28</b>
<b>LIIC Rating</b>	<b>86</b>	<i>(Low-Frequency Impact Insulation Class)</i>			

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

## TEST REPORT FOR DURA UNDERCUSHIONS LTD.

Report No.: Q0034.02-113-11-R0

Date: 06/08/23

### SECTION 13

### TEST RESULTS - IMPACT SOUND TRANSMISSION GRAPH



<b>TEST DATE</b>	5/23/2023				
<b>DATA FILE NO.</b>	Q0034.02				
<b>CLIENT</b>	Dura Undercushions Ltd.				
<b>DESCRIPTION</b>	12.58 mm Shaw ECO Beauty Carpet, 10 mm SUPER DURA 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>	20.7°C
<b>TECHNICIAN</b>	CSK	<b>Max. Humidity</b>	55%	<b>Min. Humidity</b>	55%

