

TEST REPORT FOR DURA UNDERCUSHIONS LTD.

Report No.: Q0034.03-113-11-R0

Date: 06/08/23

SECTION 12

TEST RESULTS - IMPACT SOUND TRANSMISSION



TEST DATE	5/23/2023				
DATA FILE NO.	Q0034.03				
CLIENT	Dura Undercushions Ltd.				
DESCRIPTION	12.58 mm Shaw ECO Beauty Carpet, 6 mm DURACUSHION 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				
SPECIMEN AREA	10.98 m ²	Maximum Temp.	20.7°C	Minimum Temp.	20.7°C
TECHNICIAN	CSK	Max. Humidity	55%	Min. Humidity	55%

FREQ (Hz)	BACKGROUND SPL (dB)	ABSORPTION m ²	NORMALIZED IMPACT SPL (dB)	95% SAMPLING LIMIT	NUMBER OF DEFICIENCIES
50	36.3	28.0	54	1.9	-
63	33.4	20.3	47	3.1	-
80	33.2	14.7	39	1.2	-
100	37.2	9.0	36	1.2	8
125	25.0	10.2	28	0.9	0
160	28.1	9.4	26	0.6	0
200	25.8	9.1	21	0.7	0
250	24.6	9.8	18	0.3	0
315	28.0	10.4	20	0.5	0
400	21.8	8.5	20	0.6	0
500	21.3	8.0	18	0.9	0
630	24.1	7.8	18	0.7	0
800	21.1	7.6	15	0.4	0
1000	22.6	7.7	17	0.5	0
1250	24.0	7.9	16	0.3	0
1600	18.8	8.1	12	0.4	0
2000	19.2	9.0	11	0.9	0
2500	16.2	10.1	9	0.3	0
3150	10.3	10.5	7	0.4	0
4000	8.5	11.7	7	0.3	-
5000	8.7	13.4	7	0.2	-
6300	9.0	15.7	9	0.2	-
8000	9.4	14.9	9	0.3	-
10000	10.0	14.9	10	0.3	-
IIC Rating	84	<i>(Impact Insulation Class)</i>		Sum of Deficiencies	8
LIIC Rating	80	<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



TEST DATE	5/23/2023				
DATA FILE NO.	Q0034.03				
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TECHNICIAN	CSK	Max. Humidity	55%	Min. Humidity	55%

