

Acoustic Test Report - Absorption

Absorption Class: C

Calculated to EN ISO 11654-1997

Fabric: Acoustic Molton
Fullness: Flat

J&C Joel 
Inspiration in every performance

Data Sheet 9

Laboratory Measurement of Sound Reduction Index to BS EN ISO 10140-2:2021

Test Number:	9	Test Room:	Source	Receiving
Client:	J&C Joel Ltd	Air Temperature:	11.3 °C	15.6 °C
Test Date:	28/02/2023	Air Humidity:	53 %	46 %
Sample Height:	2.20 m	Volume:	115 m ³	300.1 m ³
Sample Width:	2.00 m	Air Pressure:	1022 mbar	
Sample Weight:	0.5 kg/m ²			

Product: Acoustic Molton 500g/m² at 0% Fullness
Identification:

Frequency Hz	Sound Reduction Index, dB	
	1/3 Oct	Octave
50+	2.8	1.8
63+	1.1	
80+	1.7	
100	1.7	2.3
125	1.4	
160	4.2	
200	0.8	1.9
250	1.7	
315	3.8	
400	4.7	5.6
500	5.9	
630	6.5	
800	7.6	8.4
1000	8.6	
1250	9.3	
1600	9.5	9.6
2000	9.7	
2500	9.7	
3150	9.5	9.6
4000	9.6	
5000	9.6	
6300+	9.7	9.6
8000+	9.8	
10000+	9.4	
Average 100-3150	5.9	SRL Version 1.1

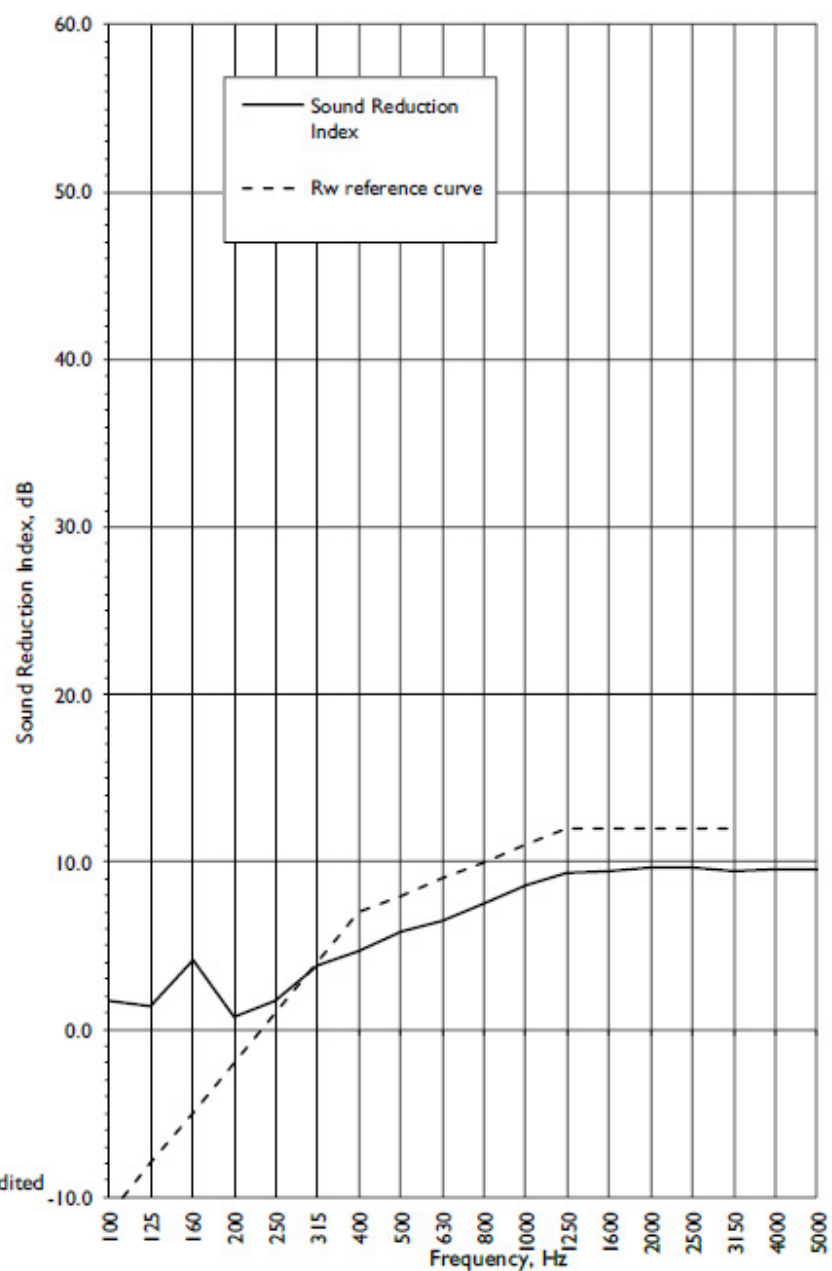
* shows measurement corrected for background

> shows measurement limited by background

+ shows Frequency beyond standard and not UKAS accredited

Rating according to BS EN ISO 717-1:2020

$R_w(C;C_{tr})=$ 8 (0;-1) dB



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