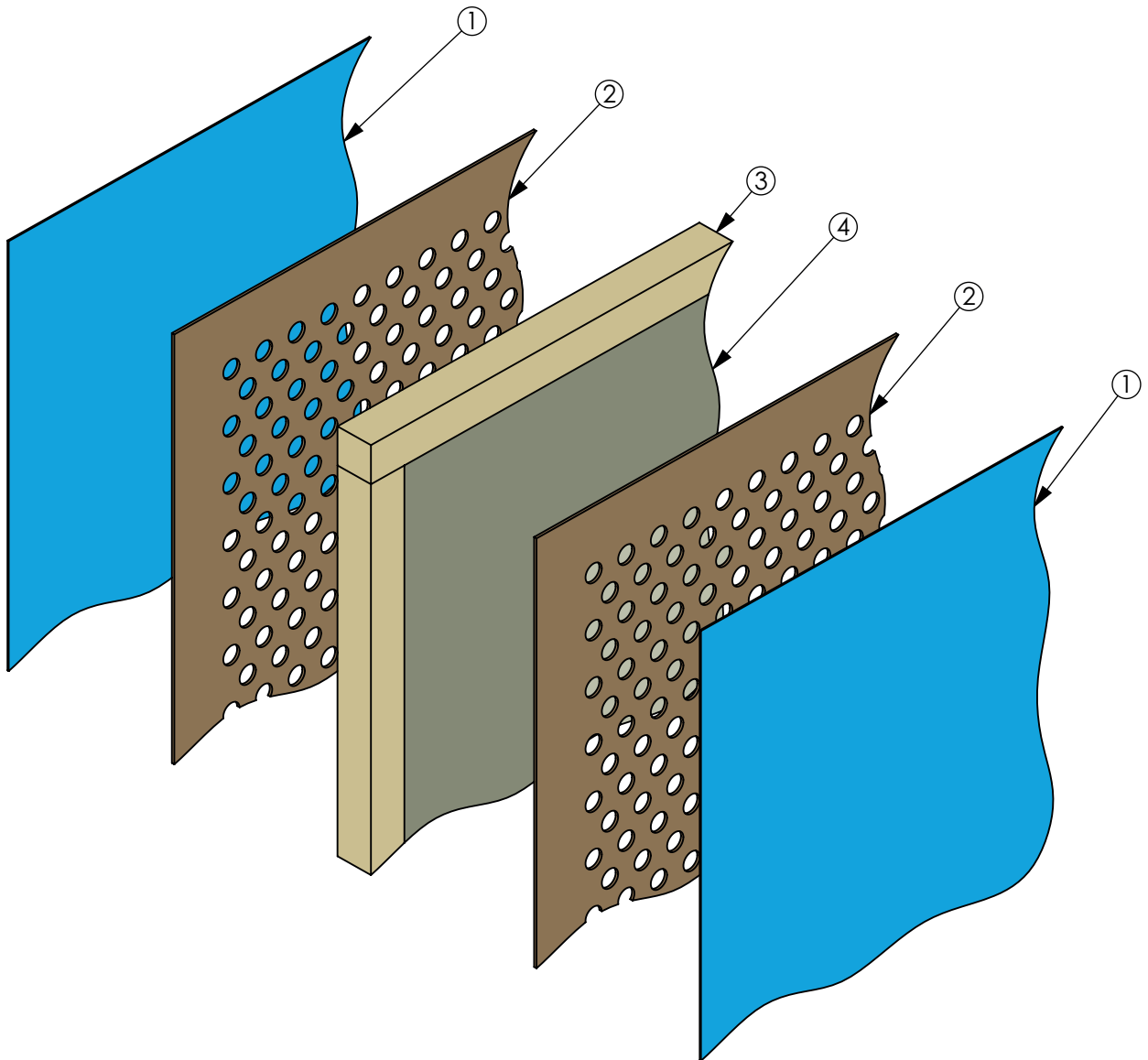


# Den Acoustic Panel Information

Den is an acoustically enhanced product designed to reduce noise and distractions within the workplace.

The perforated face boards allow sound waves to move into the acoustic core - which has excellent sound absorption properties - reducing unnecessary background noise.

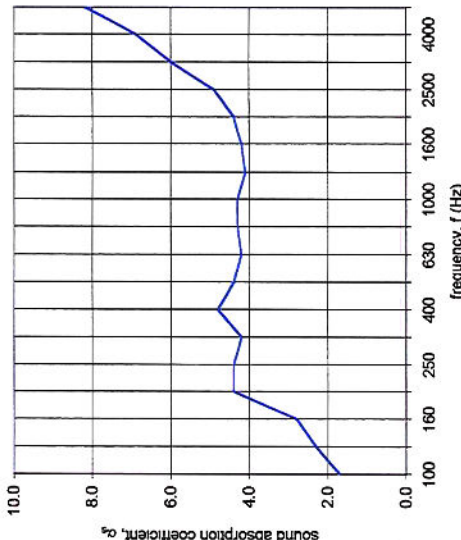
The acoustic performance of the panel construction has been independently tested in an acoustics research laboratory, following the guidelines found in BS EN ISO 354:2003 (Acoustics - Measurement of sound absorption in a reverberation room). Please see the reverse side of this sheet for an excerpt from the acoustic test results. Full test results, including method available on request.

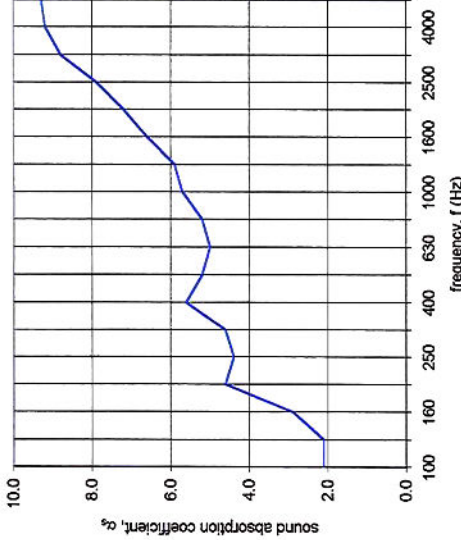


**Acoustic Panel Composition**

ITEM NO.	Component	Material
1	Fabric	Foam Backed Fabric
2	Perforated Face Board	High Density Fibreboard
3	Outer Frame	Softwood
4	Acoustic Core	Sound Absorbing Acoustic Material

# Excerpt from the Acoustic Test Results

<b>BS EN ISO 354:2003</b>	
<b>Acoustics - Measurement of absorption in a reverberation room</b>	
Client:	
Object:	"Lucia"
Size:	Three panels 1480mm high x 1050mm wide x 50mm thick
Receiving room:	
Volume:	220 m <sup>3</sup>
Condition:	clean
Type:	large reverberation room
Location:	acoustic transmission suite
Sample out:	Temperature [°C]: 21.6 Humidity [%]: 53.5
Sample in:	Temperature [°C]: 21.7 Humidity [%]: 55.7
<b>Equivalent absorption Area <math>A_T</math></b>	
Frequency Hz	$A_T$ m <sup>2</sup>
100	1.7
125	2.3
160	2.8
200	4.4
250	4.4
315	4.2
400	4.8
500	4.4
630	4.2
800	4.3
1000	4.3
1250	4.1
1600	4.2
2000	4.4
2500	4.9
3150	6.0
4000	8.9
5000	8.2
	
Test reference number: 1884-1542	
Date: 16/09/14	
University of Salford, School of Computing, Science & Engineering	
SSV1	

<b>BS EN ISO 354:2003</b>	
<b>Acoustics - Measurement of absorption in a reverberation room</b>	
Client:	
Object:	"Blazer Quilt"
Size:	Three panels 1480mm high x 1045mm wide x 55mm thick
Receiving room:	
Volume:	220 m <sup>3</sup>
Condition:	clean
Type:	large reverberation room
Location:	acoustic transmission suite
Sample out:	Temperature [°C]: 21.6 Humidity [%]: 53.5
Sample in:	Temperature [°C]: 21.8 Humidity [%]: 56.4
<b>Equivalent absorption Area <math>A_T</math></b>	
Frequency Hz	$A_T$ m <sup>2</sup>
100	2.1
125	2.1
160	2.9
200	4.6
250	4.4
315	4.6
400	5.6
500	5.2
630	5.0
800	5.2
1000	5.7
1250	5.9
1600	6.6
2000	7.2
2500	7.9
3150	8.8
4000	9.2
5000	9.3
	
Test reference number: 1884-1544	
Date: 16/09/14	
University of Salford, School of Computing, Science & Engineering	
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