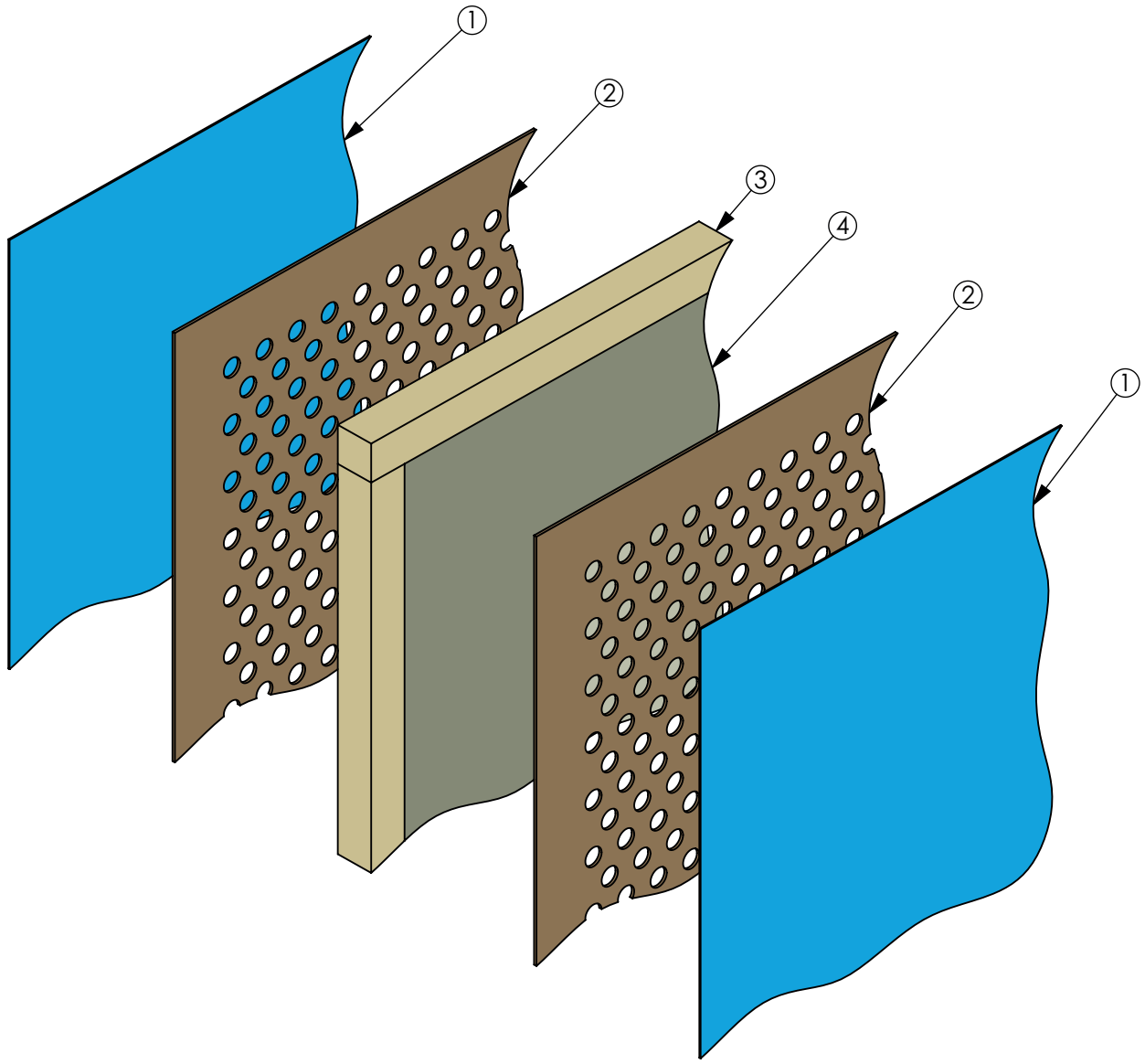
Den Acoustic Panel Information

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

BS EN ISO 354:2003

Acoustics - Measurement of absorption in a reverberation room

Client:

Object: "Lucia"

Size: Three panels 1480mm high x 1050mm wide x 50mm thick

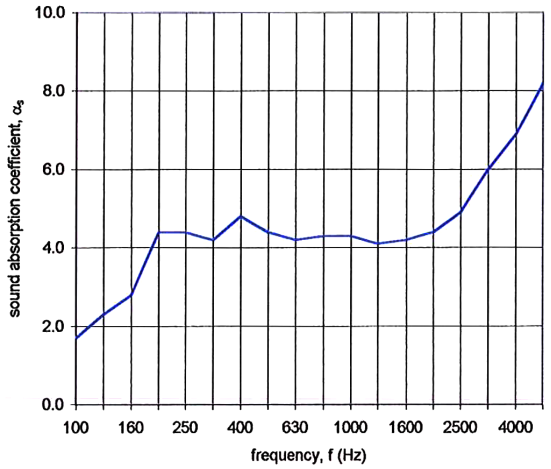
Receiving room:

Volume: 220 m^3
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

Equivalent absorption Area A_T

Frequency Hz	A_T m^2
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	6.9
5000	8.2



Test reference number: 1884-1542 Date: 16/09/14

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BS EN ISO 354:2003

Acoustics - Measurement of absorption in a reverberation room

Client:

Object: "Blazer Quilt"

Size: Three panels 1480mm high x 1045mm wide x 55mm thick

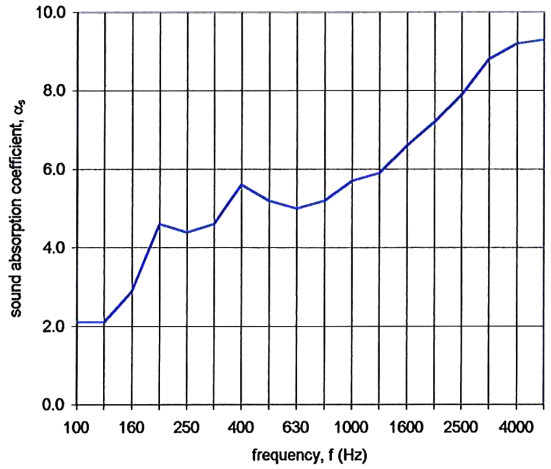
Receiving room:

Volume: 220 m^3
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

Equivalent absorption Area A_T

Frequency Hz	A_T m^2
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

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