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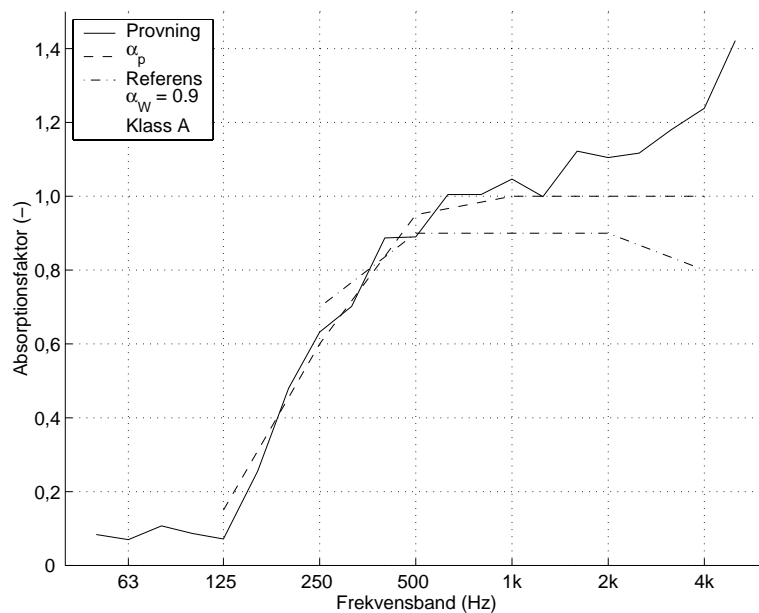
## SOUND ABSORPTION COEFFICIENT ACCORDING TO ISO 354 AND ISO 11654

Measurement of sound absorption coefficient in a reverberation room

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Client: Abinitio  
Object: Abinitio Cullus Molto textile, double layer.  
Mounting without perimeter

Frequency (Hz)	$\alpha_s$ (-)	$\alpha_p$ (-)
50	0.08	
63	0.07	0.10
80	0.11	
100	0.09	
125	0.07	0.15
160	0.26	
200	0.48	
250	0.63	0.60
315	0.70	
400	0.89	
500	0.89	0.95
630	1.00	
800	1.00	
1000	1.05	1.00
1250	1.00	
1600	1.12	
2000	1.10	1.00
2500	1.12	
3150	1.18	
4000	1.24	1.00
5000	1.42	



Date of test: 2009-06-03

Object surface: 7.2 m<sup>2</sup>

Relative humidity: 64 %

Date: 2009-06-10

Reverberation room volume: 200 m<sup>3</sup>

Temperature: 13 °C

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Test report 09-35-R4

Signature: Pontus Thorsson

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## SOUND ABSORPTION COEFFICIENT ACCORDING TO ISO 10534-1 AND ISO 11654

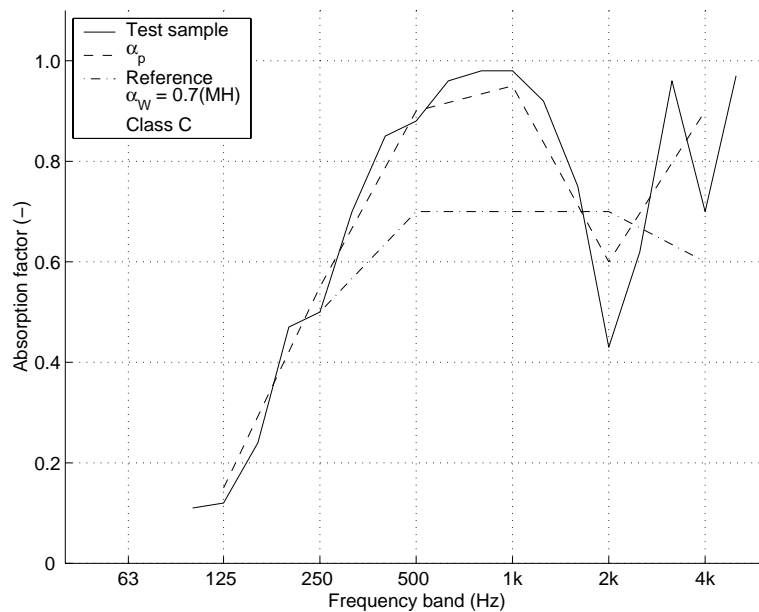
Measurement of sound absorption coefficient using an impedance tube

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Client: Abinitio

Object: Structured textile Molto with 3 threads  
100 mm from backing rigid wall

Frequency (Hz)	$\alpha_s$ (-)	$\alpha_p$ (-)
100	0.11	
125	0.12	0.15
160	0.24	
200	0.47	
250	0.50	0.55
315	0.70	
400	0.85	
500	0.88	0.90
630	0.96	
800	0.98	
1000	0.98	0.95
1250	0.92	
1600	0.75	
2000	0.43	0.60
2500	0.62	
3150	0.96	
4000	0.70	0.90
5000	0.97	



Date of test: 2008-04-10

Date: 2008-05-08

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Test report 08-70-R4

Signature: Pontus Thorsson

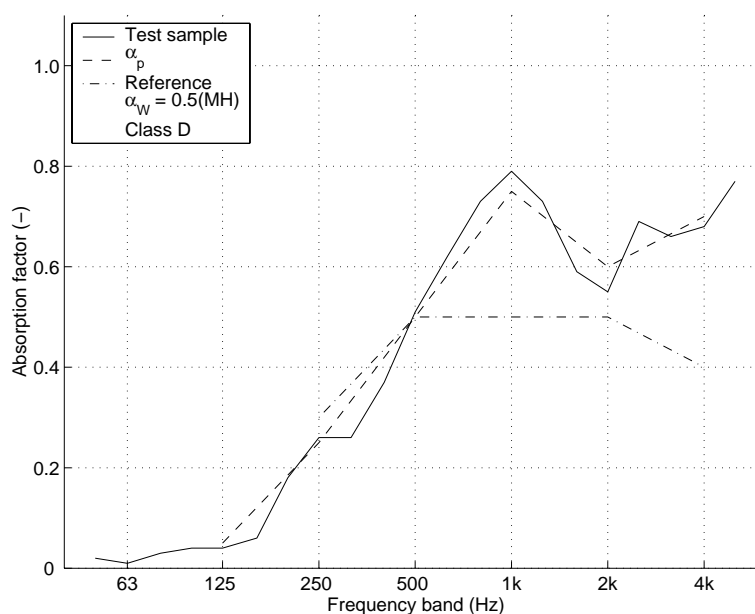
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## SOUND ABSORPTION COEFFICIENT ACCORDING TO ISO 354 AND ISO 11654

Measurement of sound absorption coefficient in a reverberation room

Client: Abinitio  
Object: Structured textile Mini  
Hanging 100 mm from backing  
concrete wall

Frequency (Hz)	$\alpha_s$ (-)	$\alpha_p$ (-)
50	0.02	
63	0.01	0.00
80	0.03	
100	0.04	
125	0.04	0.05
160	0.06	
200	0.18	
250	0.26	0.25
315	0.26	
400	0.37	
500	0.51	0.50
630	0.62	
800	0.57	
1000	0.73	0.75
1250	0.79	
1600	0.73	
2000	0.59	0.60
2500	0.55	
3150	0.66	
4000	0.68	0.70
5000	0.77	



Date of test: 2004-02-19

Object surface: 10.0 m<sup>2</sup>

Relative humidity: 82 %

Date: 2008-02-20

Reverberation room volume: 200 m<sup>3</sup>

Temperature: 5 °C

Test report 04-08-A2

Signature: Pontus Thorsson

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