
SOUND ABSORPTION COEFFICIENT ACCORDING TO ISO 354 AND ISO 11654

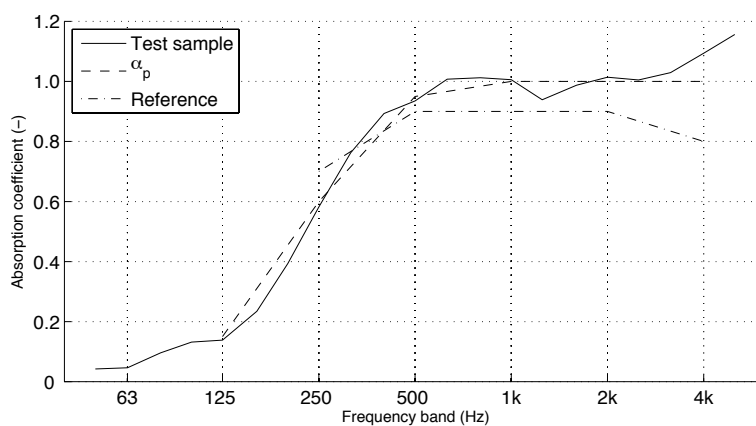
Measurement of sound absorption coefficient in a reverberation room

Client: CE PRODUKTER AB

Object: AIRFELT t = 50 mm, $\rho = 52 \text{ kg/m}^3$

Type A mounting

Frequency (Hz)	α_s (-)	α_p (-)
50	0.04	
63	0.05	0.05
80	0.10	
100	0.13	
125	0.14	0.15
160	0.23	
200	0.39	
250	0.58	0.60
315	0.76	
400	0.89	
500	0.94	0.95
630	1.01	
800	1.01	
1000	0.94	1.00
1250	0.99	
1600	1.01	
2000	1.00	1.00
2500	1.03	
3150	0.99	
4000	1.03	1.00
5000	1.16	



$\alpha_w = 0.90$ (Absorption class A)

Date of test: 2012-01-26

Object surface: 10.0 m²

Relative humidity: 84 %

Date: 2011-02-03

Reverberation room volume: 200 m³ Temperature: 1 °C

Test report 12-22-M13

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(((AKUSTIKVERKSTAN)))