
SOUND ABSORPTION COEFFICIENT PER ASTM C423-07A

Measurement of sound absorption coefficient by the reverberation room method

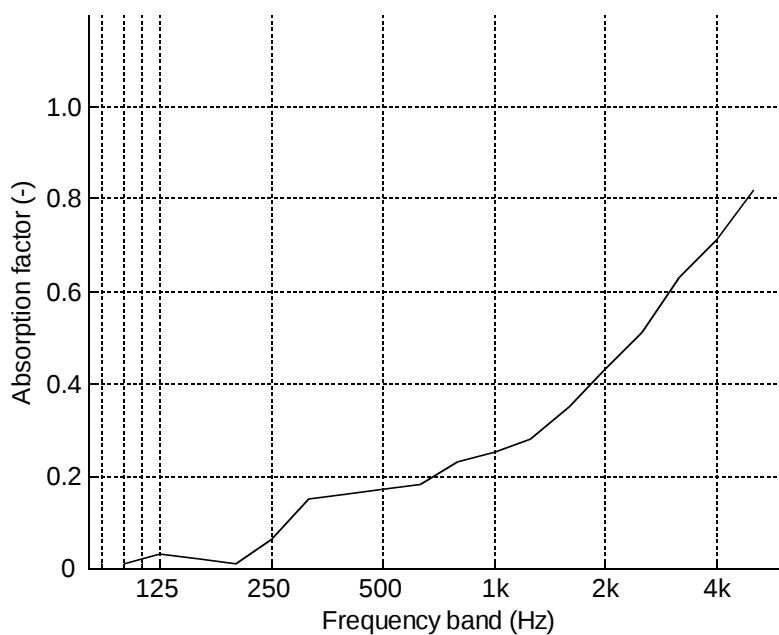
Client: Fellert Acoustical Ceilings AB

Object: – 3 mm Fellert Even Better Sahara/Secern
 – 12,5 mm gypsum board

Weight: 9,75 kg/m²

Type A mounting per ASTM E795

Frequency (Hz)	α (-)
100	0,01
125	0,03
160	0,02
200	0,01
250	0,06
315	0,15
400	0,16
500	0,17
630	0,18
800	0,23
1000	0,25
1250	0,28
1600	0,35
2000	0,43
2500	0,51
3150	0,63
4000	0,71
5000	0,82



Sound Absorption Average (SAA): 0.23

Noise reduction Coefficient (NRC): 0.25

Date of test: 2012-07-11

Object surface: 8.6 m²

Relative humidity: 80 %

Date: 2012-07-11

Reverberation room volume: 200 m³ Temperature: 16 °C

Test report 12-104-R2-A1

Signature: Magnus Karlsson

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