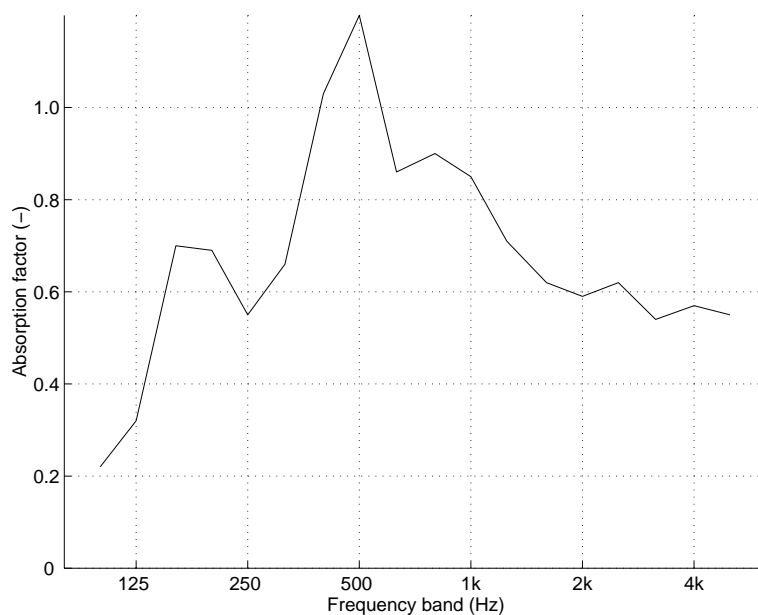

SOUND ABSORPTION COEFFICIENT PER ASTM C423-07A

Measurement of sound absorption coefficient by the reverberation room method

Client: Fellert Ecooustic System AB, Sweden
Object: Fellert Ultra on 1.5 inch (38 mm)
Fellert glass fibre board mounted on ½
inch GWB (9.0 kg/m²)
Weight: 13.1 kg/m²
Type A mounting per ASTM E795

Frequency (Hz)	α (-)
100	0.22
125	0.32
160	0.70
200	0.69
250	0.55
315	0.66
400	1.03
500	1.20
630	0.86
800	0.90
1000	0.85
1250	0.71
1600	0.62
2000	0.59
2500	0.62
3150	0.54
4000	0.57
5000	0.55



Sound Absorption Average (SAA): 0.77

Noise reduction Coefficient (NRC): 0.75

Date of test: 2008-06-04
Date: 2008-11-21

Object surface: 8.8 m²
Reverberation room volume: 200 m³
Relative humidity: 63 %
Temperature: 16 °C

Test report 08-80-R19
Signature: Pontus Thorsson

