

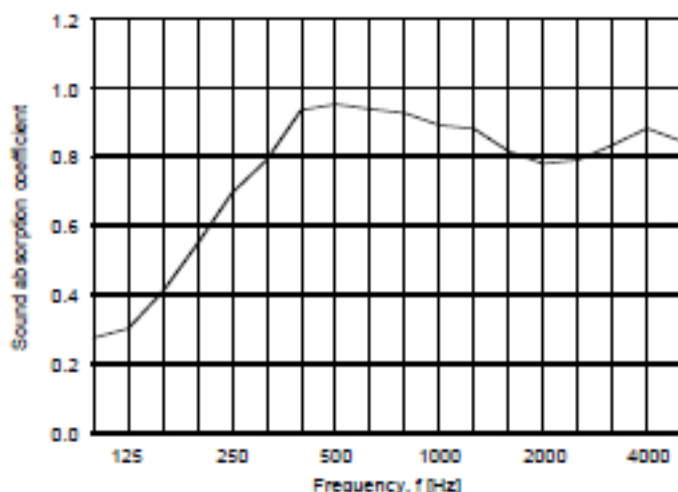
Laboratory Measurement of Sound Absorption Coefficient according to EN ISO 354:2003

Client: Aktan Mobilya Fabrikasi, Perfopan Acoustic Company, Secim Sok No 12 Iskitle/Buyuk Sanayi, Ankara, Turkey
Date of test: 21 April 2009

Test specimen: Perfopan wall panels Code No. 3F 13A-PR 13%, DS 4000, on 45 mm mineral wool
Thickness: 18 mm
Module size: 600 mm x 600 mm
Mounting depth: 63 mm (Type E-63 mounting)

Test area: 10.8 m²
Room volume: 215 m³
Room surface: 305 m²

Frequency f [Hz]	α_s
100	0.28
125	0.30
160	0.41
200	0.55
250	0.69
315	0.79
400	0.93
500	0.95
630	0.94
800	0.93
1000	0.89
1250	0.88
1600	0.82
2000	0.78
2500	0.79
3150	0.83
4000	0.88
5000	0.84



Noise reduction coefficient NRC and sound absorption average SAA calculated in accordance with ASTM C 423 - 08a:

NRC = 0.85 SAA = 0.83

DELTA, 24 April 2009



Dan Hoffmeyer, Acoustics



Laboratory Measurement of Sound Absorption Coefficient according to EN ISO 354:2003

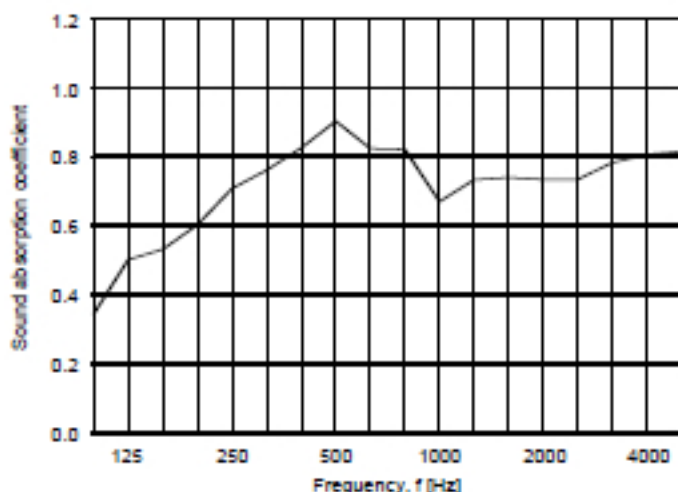
Client: Aktan Mobilya Fabrikasi, Perfopan Acoustic Company, Secim Sok No 12 Iskitile/Büyükdere Sanayi, Ankara, Turkey
Date of test: 16 April 2009

Test specimen: Perfopan wall panels Code No. 3F 13A-PR 13%, DS 4000
Thickness: 18 mm
Module size: 600 mm × 600 mm

Mounting depth: 200 mm (Type E-200 mounting)

Test area: 10.8 m²
Room volume: 215 m³
Room surface: 305 m²

Frequency f [Hz]	α_s
100	0.35
125	0.50
160	0.53
200	0.60
250	0.71
315	0.76
400	0.82
500	0.90
630	0.82
800	0.82
1000	0.67
1250	0.73
1600	0.74
2000	0.73
2500	0.73
3150	0.78
4000	0.81
5000	0.82



Noise reduction coefficient NRC and sound absorption average SAA calculated in accordance with ASTM C 423 - 08a:

NRC = 0.75 SAA = 0.75

DELTA, 24 April 2009



Dan Hoffmeyer, Acoustics

