

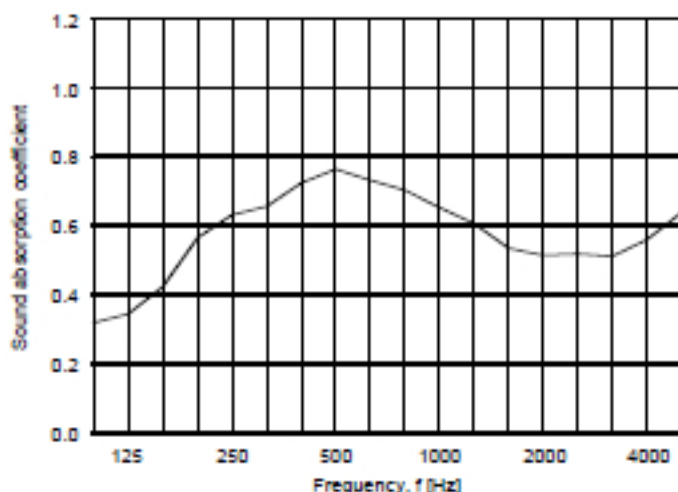
## Laboratory Measurement of Sound Absorption Coefficient according to EN ISO 354:2003

**Client:** Aktan Mobilya Fabrikasi, Perfopan Acoustic Company, Secim Sok No 12 Iskitle/Buyuk  
Sanayi, Ankara, Turkey  
**Date of test:** 22 April 2009

**Test specimen:** Perfopan wall panels Code No. 4F 28A-PR 8%, DS 2000, on 45 mm mineral wool  
Thickness: 18 mm  
Module size: 600 mm × 600 mm  
**Mounting depth:** 63 mm (Type E-63 mounting)

**Test area:** 10.8 m<sup>2</sup>  
**Room volume:** 215 m<sup>3</sup>  
**Room surface:** 305 m<sup>2</sup>

| Frequency<br>f<br>[Hz] | $\alpha_s$ |
|------------------------|------------|
| 100                    | 0.32       |
| 125                    | 0.34       |
| 160                    | 0.42       |
| 200                    | 0.56       |
| 250                    | 0.63       |
| 315                    | 0.66       |
| 400                    | 0.72       |
| 500                    | 0.76       |
| 630                    | 0.73       |
| 800                    | 0.70       |
| 1000                   | 0.65       |
| 1250                   | 0.61       |
| 1600                   | 0.53       |
| 2000                   | 0.52       |
| 2500                   | 0.52       |
| 3150                   | 0.51       |
| 4000                   | 0.56       |
| 5000                   | 0.64       |



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

NRC = 0.65     SAA = 0.63

DELTA, 24 April 2009



Dan Hoffmeyer, Acoustics



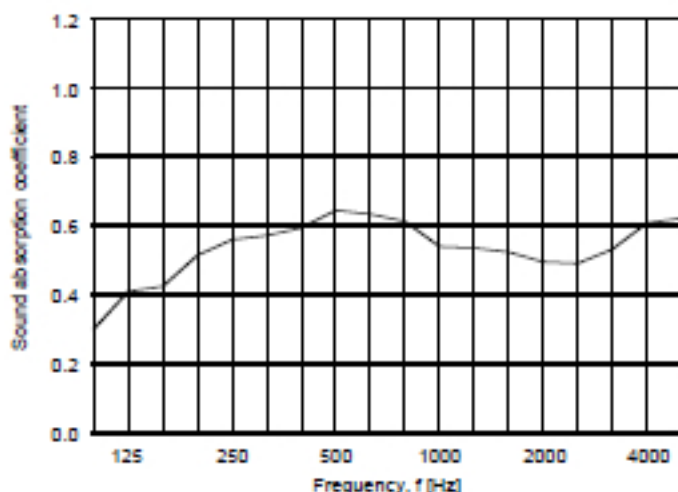
## Laboratory Measurement of Sound Absorption Coefficient according to EN ISO 354:2003

**Client:** Aktan Mobilya Fabrikasi, Perfopan Acoustic Company, Secim Sok No 12 Iskitile/Büyükdere  
Sanayi, Ankara, Turkey  
**Date of test:** 15 April 2009

**Test specimen:** Perfopan wall panels Code No. 4F 28A-PR 8%, DS 2000  
Thickness: 18 mm  
Module size: 600 mm × 600 mm  
**Mounting depth:** 200 mm (Type E-200 mounting)

**Test area:** 10.8 m<sup>2</sup>  
**Room volume:** 215 m<sup>3</sup>  
**Room surface:** 305 m<sup>2</sup>

| Frequency<br>f<br>[Hz] | $\alpha_s$ |
|------------------------|------------|
| 100                    | 0.30       |
| 125                    | 0.41       |
| 160                    | 0.42       |
| 200                    | 0.51       |
| 250                    | 0.56       |
| 315                    | 0.57       |
| 400                    | 0.59       |
| 500                    | 0.65       |
| 630                    | 0.63       |
| 800                    | 0.61       |
| 1000                   | 0.54       |
| 1250                   | 0.54       |
| 1600                   | 0.52       |
| 2000                   | 0.50       |
| 2500                   | 0.49       |
| 3150                   | 0.53       |
| 4000                   | 0.61       |
| 5000                   | 0.62       |



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

NRC = 0.55     SAA = 0.56

DELTA, 24 April 2009



Dan Hoffmeyer, Acoustics

