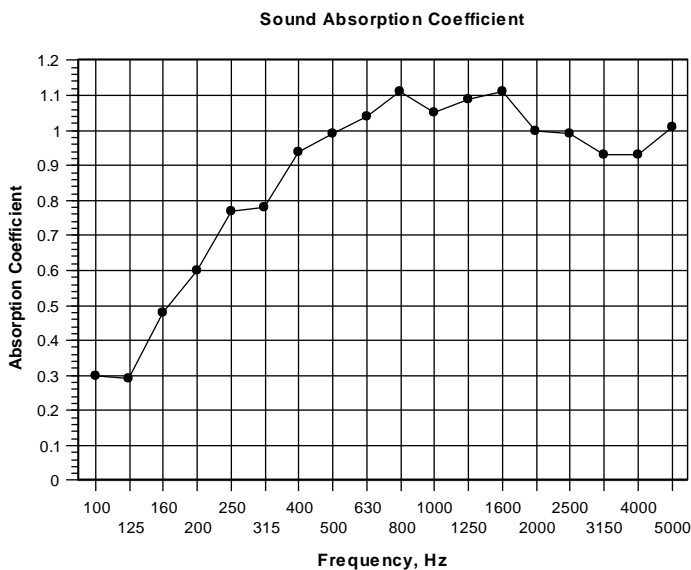


[See SRL report C/22892/T01 for full details](#)

The Laboratory Measurement of Random Incidence Sound Absorption to BS EN ISO 354:2003

Client: Soundtect
Test Date: 11/07/2014
Empty Room: Temperature: 18.5 °C Humidity: 67 %RH Pressure: 1009 mbar
Room with Sample: Temperature: 18.6 °C Humidity: 68 %RH Pressure: 1009 mbar
Sample Description: Soundtect Class panels
Mounting Method: A
Sample Area: 13 m²
Chamber Volume: 300 m³

| Test 3 | | | | |
|---------|--------|--------|--------------|--------------------------|
| Freq Hz | T1 sec | T2 sec | Absorp Coeff | Practical Absorp Coeff # |
| 50* | 5.09 | 4.77 | 0.05 | |
| 63* | 5.09 | 4.80 | 0.04 | n/a |
| 80* | 6.10 | 4.50 | 0.22 | |
| 100 | 7.23 | 4.59 | 0.30 | |
| 125 | 8.27 | 5.05 | 0.29 | 0.35 |
| 160 | 6.97 | 3.67 | 0.48 | |
| 200 | 6.81 | 3.24 | 0.60 | |
| 250 | 7.22 | 2.89 | 0.77 | 0.70 |
| 315 | 7.02 | 2.84 | 0.78 | |
| 400 | 6.66 | 2.48 | 0.94 | |
| 500 | 5.48 | 2.23 | 0.99 | 1.00 |
| 630 | 5.13 | 2.11 | 1.04 | |
| 800 | 5.47 | 2.08 | 1.11 | |
| 1000 | 5.89 | 2.21 | 1.05 | 1.00 |
| 1250 | 5.67 | 2.13 | 1.09 | |
| 1600 | 5.23 | 2.04 | 1.11 | |
| 2000 | 4.70 | 2.08 | 1.00 | 1.00 |
| 2500 | 4.30 | 2.01 | 0.99 | |
| 3150 | 3.67 | 1.92 | 0.93 | |
| 4000 | 3.10 | 1.75 | 0.93 | 0.95 |
| 5000 | 2.54 | 1.51 | 1.01 | |
| 6300* | 1.83 | 1.28 | 0.89 | |
| 8000* | 1.41 | 1.05 | 0.94 | n/a |
| 10000* | 1.04 | 0.84 | 0.90 | |



α_w 1.00
Class A
 Calculated to EN ISO 11654:1997
NRC 0.95
 Calculated to ASTM C 423-01
 * Denotes frequencies outside the range covered by BS EN ISO 354:2003
 T1, empty room reverberation time
 T2, room reverberation time with sample

Practical absorption coefficient, BS EN ISO 11654:1997

v4.3