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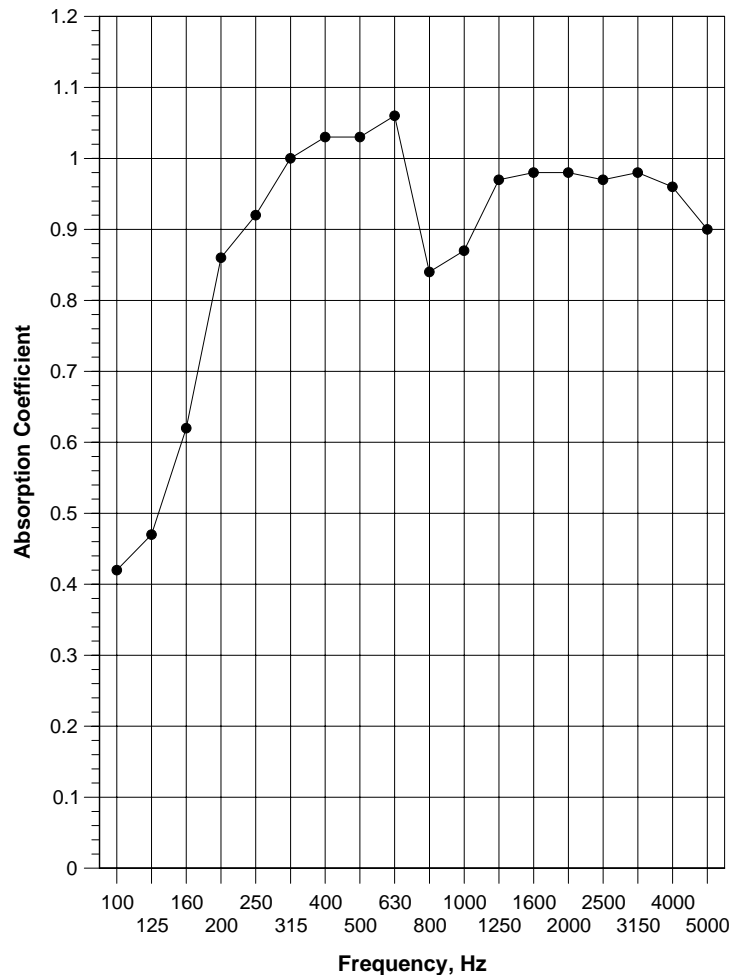
See SRL report C/09/5L/20788/R01 for full details

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

Client: Rockfon
Test Date: 17/06/2009
Empty Room: Temperature: 18.1 °C Humidity: 63 %RH Pressure: 1016 mbar
Room with Sample: Temperature: 19.1 °C Humidity: 61 %RH Pressure: 1016 mbar
Sample: BOXER, 1200x600x20mm, A edge
Description:
Mounting Method: E- 200
Sample Area: 12.96 m²
Chamber Volume: 300 m³

Sound Absorption Coefficient

| Test 12 | | | | |
|-----------------------------------------------------------------------|--------|--------|--------------|--------------------------|
| Freq Hz | T1 sec | T2 sec | Absorp Coeff | Practical Absorp Coeff # |
| 50* | 4.13 | 3.43 | 0.18 | |
| 63* | 3.82 | 3.16 | 0.20 | n/a |
| 80* | 4.42 | 3.34 | 0.27 | |
| 100 | 6.36 | 3.72 | 0.42 | |
| 125 | 7.82 | 3.95 | 0.47 | 0.50 |
| 160 | 7.30 | 3.29 | 0.62 | |
| 200 | 8.09 | 2.82 | 0.86 | |
| 250 | 8.67 | 2.76 | 0.92 | 0.95 |
| 315 | 8.05 | 2.55 | 1.00 | |
| 400 | 7.00 | 2.38 | 1.03 | |
| 500 | 5.97 | 2.25 | 1.03 | 1.00 |
| 630 | 5.45 | 2.14 | 1.06 | |
| 800 | 5.85 | 2.52 | 0.84 | |
| 1000 | 6.52 | 2.59 | 0.87 | 0.90 |
| 1250 | 6.39 | 2.40 | 0.97 | |
| 1600 | 5.74 | 2.29 | 0.98 | |
| 2000 | 5.23 | 2.20 | 0.98 | 1.00 |
| 2500 | 4.67 | 2.11 | 0.97 | |
| 3150 | 3.86 | 1.92 | 0.98 | |
| 4000 | 3.12 | 1.73 | 0.96 | 0.95 |
| 5000 | 2.47 | 1.55 | 0.90 | |
| 6300* | 1.88 | 1.34 | 0.81 | |
| 8000* | 1.40 | 1.09 | 0.78 | n/a |
| 10000* | 1.05 | 0.89 | 0.67 | |
| <i>a_w</i> 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

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