

Confidential

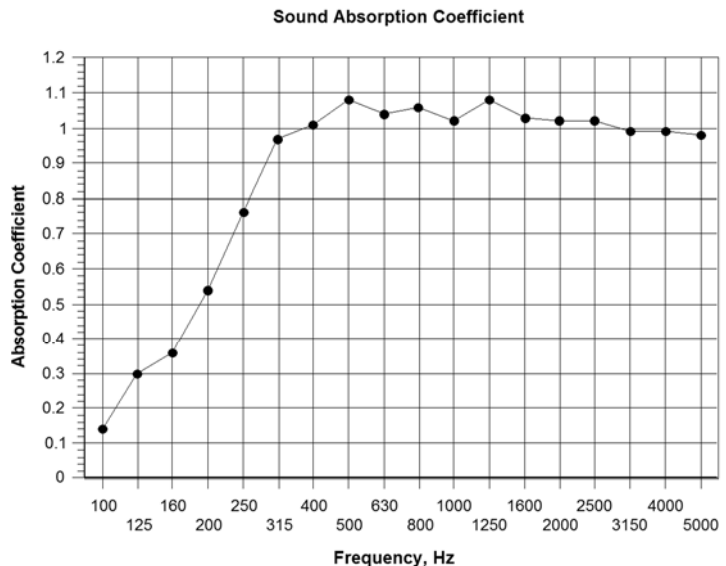
See SRL report C/23466/T02 for full details

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

Client: Rockwool BV
Test Date: 22/07/2016
Empty Room: **Temperature:** 22.6 °C **Humidity:** 61 %RH **Pressure:** 1011 mbar
Room with Sample: **Temperature:** 22.7 °C **Humidity:** 56 %RH **Pressure:** 1011 mbar
Sample Description: Mono Acoustic Smooth

Mounting Method: A
Sample Area: 12.96 m²
Chamber Volume: 300 m³

| Test 7 | | | | |
|---------|--------|--------|--------------|--------------------------|
| Freq Hz | T1 sec | T2 sec | Absorp Coeff | Practical Absorp Coeff # |
| 50* | 4.23 | 4.28 | -0.01 | |
| 63* | 4.82 | 4.51 | 0.05 | n/a |
| 80* | 6.26 | 5.55 | 0.08 | |
| 100 | 7.64 | 5.91 | 0.14 | |
| 125 | 7.36 | 4.62 | 0.30 | 0.25 |
| 160 | 7.68 | 4.42 | 0.36 | |
| 200 | 7.77 | 3.66 | 0.54 | |
| 250 | 7.97 | 3.03 | 0.76 | 0.75 |
| 315 | 8.21 | 2.60 | 0.97 | |
| 400 | 7.16 | 2.43 | 1.01 | |
| 500 | 5.99 | 2.19 | 1.08 | 1.00 |
| 630 | 5.36 | 2.14 | 1.04 | |
| 800 | 5.66 | 2.17 | 1.06 | |
| 1000 | 6.12 | 2.29 | 1.02 | 1.00 |
| 1250 | 6.02 | 2.19 | 1.08 | |
| 1600 | 5.44 | 2.17 | 1.03 | |
| 2000 | 5.00 | 2.10 | 1.02 | 1.00 |
| 2500 | 4.51 | 2.01 | 1.02 | |
| 3150 | 3.83 | 1.88 | 0.99 | |
| 4000 | 3.22 | 1.71 | 0.99 | 1.00 |
| 5000 | 2.62 | 1.52 | 0.98 | |
| 6300* | 1.94 | 1.25 | 0.98 | |
| 8000* | 1.59 | 1.10 | 0.92 | n/a |
| 10000* | 1.15 | 0.86 | 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



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