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See SRL report C/21600/R09 for full details

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

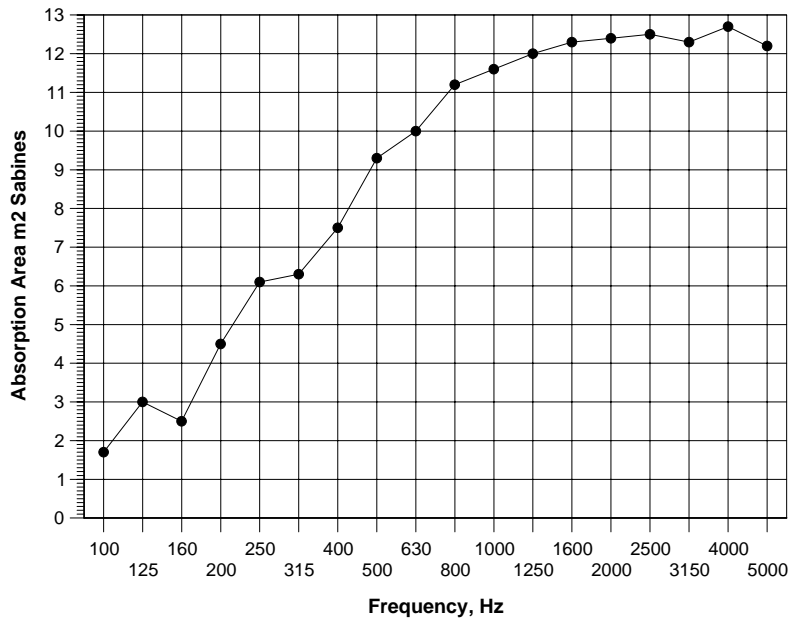
**Client:** Rockfon  
**Test Date:** 09/05/2012  
**Empty Room:** **Temperature:** 18.1 °C **Humidity:** 63 %RH **Pressure:** 1005 mbar  
**Room with Sample:** **Temperature:** 17.4 °C **Humidity:** 71 %RH **Pressure:** 1005 mbar  
**Sample Description:** Rockfon Eclipse 1160x1160x40mm  
 500mm to nearest room surface  
**Sample tested as:** Array of 5 objects. Spaced 300mm apart  
**Number of Objects:** 1  
**Chamber Volume:** 300 m3

**Test 5**

| Freq Hz | T1 sec | T2 sec | Equivalent Absorp Area for Array m2 |
|---------|--------|--------|-------------------------------------|
| 50*     | 4.34   | 4.53   | -0.5                                |
| 63*     | 4.11   | 3.96   | 0.5                                 |
| 80*     | 5.97   | 5.18   | 1.3                                 |
| 100     | 7.38   | 5.89   | 1.7                                 |
| 125     | 7.83   | 5.28   | 3.0                                 |
| 160     | 6.82   | 5.05   | 2.5                                 |
| 200     | 6.95   | 4.24   | 4.5                                 |
| 250     | 7.64   | 3.90   | 6.1                                 |
| 315     | 7.64   | 3.85   | 6.3                                 |
| 400     | 6.93   | 3.35   | 7.5                                 |
| 500     | 5.89   | 2.77   | 9.3                                 |
| 630     | 5.29   | 2.53   | 10.0                                |
| 800     | 5.71   | 2.47   | 11.2                                |
| 1000    | 6.28   | 2.52   | 11.6                                |
| 1250    | 6.23   | 2.46   | 12.0                                |
| 1600    | 5.61   | 2.32   | 12.3                                |
| 2000    | 5.19   | 2.24   | 12.4                                |
| 2500    | 4.65   | 2.13   | 12.5                                |
| 3150    | 3.95   | 2.00   | 12.3                                |
| 4000    | 3.25   | 1.79   | 12.7                                |
| 5000    | 2.59   | 1.61   | 12.2                                |
| 6300*   | 1.85   | 1.31   | 12.1                                |
| 8000*   | 1.46   | 1.10   | 12.9                                |
| 10000*  | 1.04   | 0.89   | 10.9                                |

\* Denotes frequencies outside the range covered by BS EN ISO 354:2003  
 T1, empty room reverberation time  
 T2, room reverberation time with sample

Equivalent Absorption Area for Array



v4.2