



ABSORB 3D Acoustical Performance Data

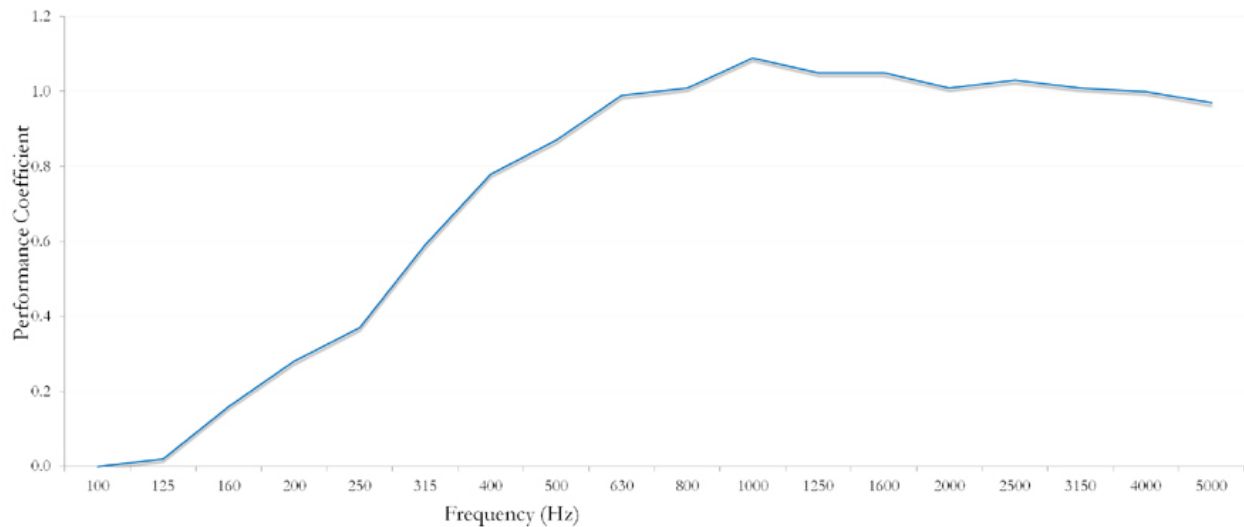
ABSORB | 3D

ABSORB 3D absorption testing was conducted at Johns Manville Technical Center in accordance with ASTM C-423a industry standard test methods.



| Frequency | ASTM 423e |
|-----------|-----------|
| 100 | 0.00 |
| 125 | 0.02 |
| 160 | 0.16 |
| 200 | 0.28 |
| 250 | 0.37 |
| 315 | 0.59 |
| 400 | 0.78 |
| 500 | 0.87 |
| 630 | 0.99 |
| 800 | 1.01 |
| 1000 | 1.09 |
| 1250 | 1.05 |
| 1600 | 1.05 |
| 2000 | 1.01 |
| 2500 | 1.03 |
| 3150 | 1.01 |
| 4000 | 1.00 |
| 5000 | 0.97 |
| SAA | 0.84 |
| NRC | 0.85 |

Test results indicate the performance of a 1" thick ABSORB 3D panel manufactured with a 6 pcf fiberglass core and 16 pcf facing elements.



For additional testing data, please contact Listen Audio Systems, Inc. Verification of results is available from NWA Labs, Inc. and Johns Manville Technical Center.