

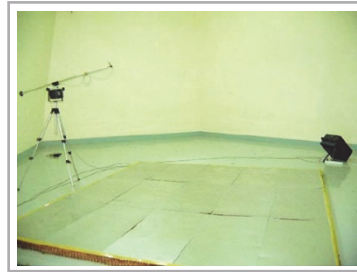


### Sound Absorption Coefficient - Test Standards

- Sound absorption coefficient testing using two microphone impedance tube as per ISO 10534-2 / ASTM E1050 - Normal Incidence Testing
- Measurement of a sound absorption coefficient in a reverberation room as per ISO 354 / ASTM C423 / IS 8225
- Measurement of reverberation time in auditoria as per ISO 3382 / BS 5363

### Test Components

- False Ceiling Tiles, Acoustic Baffles, Diffusers, Designer Walls, Glasswool, Rockwool, etc.



Sound Absorption Testing in a Reverberation chamber

### Sound Transmission Loss - Test Standards

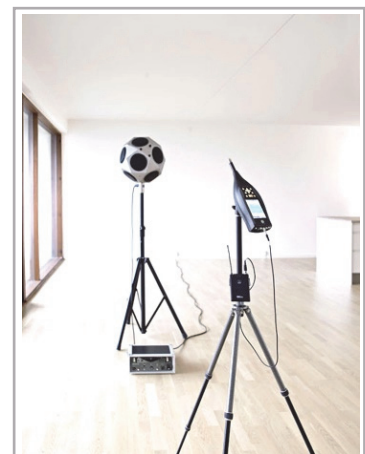
- Measurement of sound insulation in building and building elements in Lab as per ISO 10140 / ASTM E90
- Standard test method for laboratory measurement of airborne sound transmission loss of building partitions using sound intensity as per ISO 15186 / ASTM E2249
- Standard test method for airborne sound attenuation between rooms sharing a common ceiling plenum as per ASTM E1414
- Standard test method for measurement of airborne sound attenuation between rooms in buildings as per ASTM E336
- Field measurement of sound insulation in buildings and of building elements - Part 1: Airborne sound insulation as per ISO 16283-1
- Field measurement of sound insulation in buildings and of building elements - Part 2: Impact sound insulation as per ISO 16283-2
- Field measurement of sound insulation in buildings and of building elements - Part 3: Façade sound insulation as per ISO 16283-3

### Test Components

- Dry Walls, Doors, Windows, False Ceiling, etc.



Partition Wall Testing in a Reverberation Suite

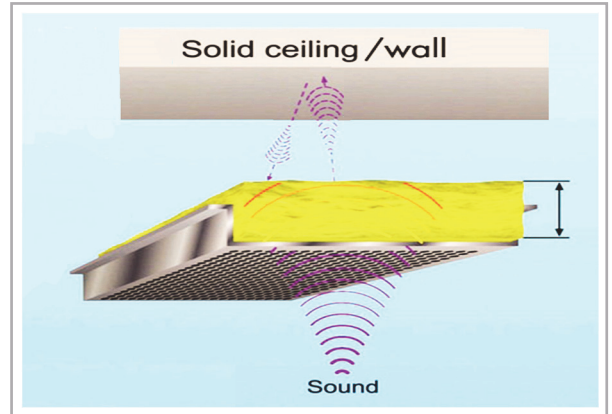
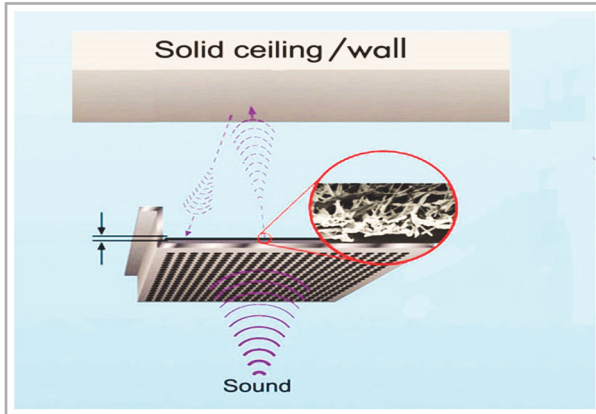


Sound Insulation Testing On-site



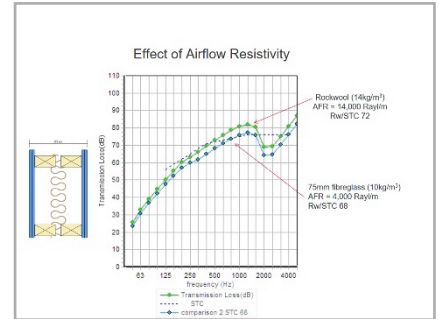
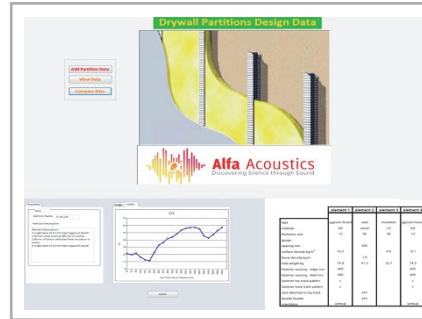
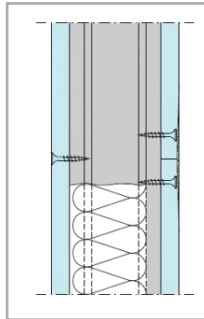
**Design and Simulation of Perforated Panels for High NRC**

- Alfa Acoustics can help in Design and development of perforated Tiles with high NRC values. With the help of knowledge database and expertise in Acoustic field, it is easily possible to achieve NRC values in the range of 0.7 - 0.95



**Design of Drywall Partitions for Higher STC**

- Alfa Acoustics can help its esteemed customers in designing and testing of high STC partition walls in a test lab and on-site in a field condition. Hardware and software test kit for on-site testing is also commercially available from Alfa Acoustics



**Customized Simulation Software's for Acoustic Material Manufacturer**

- Alfa Acoustics can develop customized softwares for its customers which can predict acoustic performance. These softwares can also be used for development and optimization of new innovative acoustic materials at design and development stage itself.

