Here's a Sound Idea for Your Product Development

SOUNDCOAT FULLY EQUIPPED ACOUSTIC LAB
AND MATERIALS TESTING

Whether you are developing new products or enhancing existing product designs, the technologically advanced laboratories at Soundcoat can help you solve acoustic and thermal-acoustic issues quickly and efficiently in a cutting edge environment.

- Your product’s acoustic properties can be tested in our hemi-anechoic room to baseline your current design
- Material selection and validation performed through testing of materials in our reverb room or transmission loss window
- Material mechanical and physical properties testing conducted in our fully equipped lab
- Engineering support includes noise source identification, CAD design, material selection and testing
- The Soundcoat approach will save you time with your new product development efforts and will save you money by optimizing the most cost effective design to meet your goals

TYPICAL INDUSTRIES WE SUPPORT INCLUDE

- Aviation
- Aerospace
- Transportation
- Medical
- Marine
- Electronic Equipment
- HVAC
- Power Generation
- White Goods
- Telecom Equipment

www.soundcoat.com
Collaborate with Soundcoat to Test Your Products and Find the Best Solutions

At Soundcoat, we take pride in collaborating with our customers and our modern research facilities help us do just that. With our knowledge, experience and advanced labs, our engineers will help you test, address and help solve your product’s thermal-acoustic issues, saving you time and money.

Research and Test Facilities:
- Fully equipped hemi-anechoic chambers in New York and California for customer product testing
- Reverb rooms in New York and Belgium for random incidence absorption testing
- Full scale transmission loss testing
- Bruel and Kjaer Pulse Analyzer Platform with Corresponding 4206 T Impedance Tube
- In-house capabilities allow for quick measurement of materials and database cataloging
- Viewing and sharing project files using the Pulse System allows for close collaboration with our customers
- Class 100,000 clean room and environmentally controlled room in California when testing and manufacturing stability is a concern

Typical Acoustic Tests Performed In Our Labs Include:
- ASTM E1050 – Normal Incidence Absorption
- ASTM E2611 – Normal Incidence Transmission Loss
- ASTM C423 – Random Incidence Absorption
- SAE J1400 – Random Incidence Transmission Loss
- Sound Pressure and Intensity Mapping
- Sound Power Determination

Physical Properties Testing Includes:
- Airflow Resistivity
- Oberst Beam Damping
- Thermal Conductivity
- Instron Shear and Adhesive Peel Strength
- High Temperature Tensile Testing
- Flammability
- UV Stability
- Water Absorption
- DMTA
- Heat, Humidity, Climate and Steam Autoclave Aging

Soundcoat’s labs are specifically used for research and product development, so we can help you test and develop new products and materials in all stages from conception to production – and optimize the acoustic and thermal performance.

Solutions
Because of Soundcoat’s global footprint in combination with its European parent company, Recticel, Soundcoat can help multi-national customers develop and maintain consistent quality and performance of materials for their global product designs. Rapid material and prototype development can be achieved due to Soundcoat labs being located adjacent to its manufacturing facilities, saving customers time and money by not having to use outside labs. This results in faster turnaround time for customers doing new product development.

At Soundcoat, We Don’t Just Sell Foam, We Engineer Solutions.
Test your products today! For more information contact our Customer Service Group at 1-800-394-8913. Or visit us at soundcoat.com to see our complete line of absorption, damping, thermal and barrier materials.