

# Perfecting the Science of Sound

Specializing in custom-engineered noise, vibration and thermal reduction solutions, Blachford Acoustics Group has the facilities, equipment and technical experience to enhance the performance of your products.



Boasting the most advanced acoustics facilities in the industry, a complete chemical laboratory and sophisticated materials engineering capabilities, our experienced and highly accomplished team will work with you to develop custom solutions that reduce noise and heat and add value to your products.



## Material Research & Development

Our experts determine the source and path of noise, then apply an optimized treatment to lower manufacturing costs and reduce product weight and complexity.



## Custom Design & Manufacturing

By predicting much of the acoustical environment early in the design phase, we help you achieve noise control and sound quality requirements.

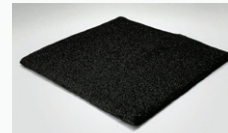


## Acoustic, Vibration & Thermal Testing

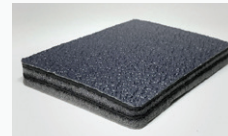
Intensive product and material tests dramatically improve product sound quality and noise material packages while reducing cost and weight.

**Contact Us Today for Your Custom Solution.**

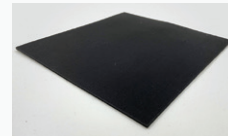
## OUR SOLUTIONS:



Sound  
Absorption  
Materials



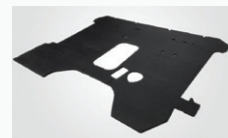
Sound  
Barrier  
Materials



Vibration  
Damping  
Materials



Headliners  
& Trim



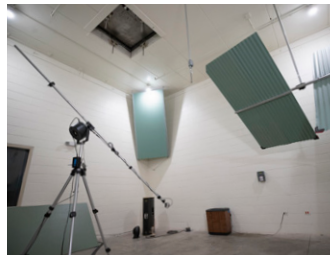
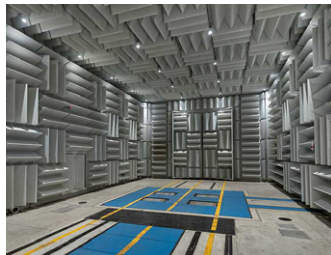
Complete  
Floor Mat  
Systems



Thermal  
Insulation  
Materials

## Pioneers in the Science of Sound

As the leader in acoustical technology, Blachford Acoustics Group was founded on a simple goal – to make the world a quieter place. For more than a century, we have proudly designed, manufactured and tested solutions to reduce noise, control thermal emissions and lower vibrations. Our products can be found worldwide in heavy machinery, manufacturing equipment, and vehicles large and small.



### Acoustics Testing Lab

With industry leading testing facilities including a 7,000 cubic foot Reverberation Room and a Hemi-Anechoic Chamber capable of accommodating a Class 8 truck, Blachford Acoustics Laboratory offers unprecedented access to customers looking to quantify the acoustical behavior of their products. Using an array of accredited test methods, our team of experienced sound engineers accurately determine the source of unwanted noise and vibration and offer solutions enhance the sound performance of their products.

#### ISO 17025 Accredited Testing Laboratory:

- ASTM C423: Random Incidence Sound Absorption Coefficient
- ASTM E1050: Normal Incidence Sound Absorption Coefficient
- ASTM C522: Airflow Resistance of Acoustical Materials
- ASTM C518: Steady-State Thermal Transmission
- SAE J1400: Sound Transmission Loss

### Manufacturing Facilities

Blachford Acoustics Group's team of specialists help manufacturers improve products by simulating the acoustical environment, integrating custom noise reduction solutions and enhancing product components. Our experienced fabricators produce your custom heat, noise and vibration reduction solutions in our state-of-the-art manufacturing facilities. We stand behind the quality of our products and thoroughly test all solutions in our Global ISO-Certified facilities.

- ISO 9001
- ISO 14001
- IATF 16949

