



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Blachford Acoustics Laboratory
1445 Powis Road
West Chicago, IL 60185

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 04 February 2023

Certificate Number: L2198



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory
quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Blachford Acoustics Laboratory

1445 Powis Road
West Chicago, IL 60185
Malcolm Kelly
630 231 3560

TESTING

Valid to: **February 4, 2023**

Certificate Number: **L2198**

Acoustical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Random Incidence Sound Absorption Coefficient $a = 0$ to 1.0 Freq. (100 to 5000) Hz	ASTM C423	Acoustical Materials and Components	Reverberation Room; Anechoic; Hemi-anechoic Termination, Microphone, Spectrum Analyzers, Impedance Tube, Special Test Fixtures
Normal Incidence Sound Absorption Coefficient $a = 0$ to 1.0 Freq. (100 to 6300) Hz	ASTM E1050		
Sound Transmission Loss and Other Airborne Acoustical Performance (0 to 90) dB Freq. (100 to 8000) Hz	SAE J1400		
Airflow Resistance Specific Airflow Resistance (100 to 10 000) mks rayls (Pa·s/m)	ASTM C522	Permeable Materials	

Thermal

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Steady State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus Mean Temperature Range (-7.5 to 62.5) °C	ASTM C518	Acoustical and Thermal Materials	Thermal Conductivity Apparatus

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. L2198.
2. This laboratory does not offer commercial testing services.



R. Douglas Leonard Jr., VP, PILR SBU