



THERMAL TRANSMISSION TESTING TO ASTM C518

ACCREDITED MEASUREMENT OF THERMAL CONDUCTIVITY, THERMAL RESISTANCE (R-VALUE), AND THERMAL RESISTIVITY FOR INSULATION AND BUILDING MATERIALS

When you need insulation performance data for specifications, labeling, or code submittals, results must be repeatable and tied to the right standard. QAI performs ASTM C518 heat flow meter testing to quantify heat transfer properties and provide decision ready reporting.

What This Testing Supports

Use thermal transmission properties to validate product claims, compare insulation materials fairly, and document building envelope performance.

What We Deliver

- ASTM C518 thermal conductivity testing and thermal resistance testing
- Thermal resistivity reporting (R-Value per inch or RSI)
- Sample guidance on size, thickness, facers, and conditioning
- Clear reports for engineering review and compliance files

Long Term Thermal Performance

For foam insulation where aging can affect performance, QAI also offers Long Term Thermal Resistance testing to CAN/ULC S770. This supports stabilized thermal insulation performance values for products such as polyisocyanurate and extruded polystyrene.

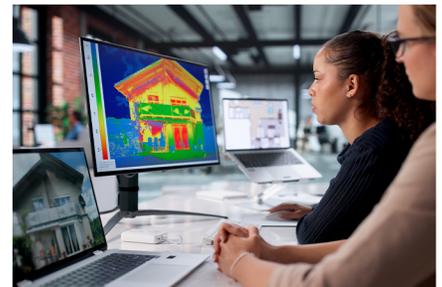
Contact us at info@qai.org to discuss your material, target standard, and sample requirements.

About QAI

Founded in 1995, QAI is a testing, inspection, and certification body (CB) that holds accreditations with IAS and the Standards Council of Canada (SCC), and is recognized by OSHA as a Nationally Recognized Testing Laboratory (NRTL). From initial planning through final approval, QAI provides a structured and efficient certification process.



ASTM C518 Heat Flow Meter Testing



R-Value and RSI Reporting



Decision-Ready Reports