



CAN/ULC-S705.1 SPRAY FOAM TESTING AND CERTIFICATION

CERTIFICATION SERVICES FOR MEDIUM DENSITY SPRAY POLYURETHANE FOAM ENTERING THE CANADIAN MARKET

Spray polyurethane foam insulation used in Canadian construction must meet the requirements of CAN/ULC-S705.1 before it can be listed under the National Building Code of Canada. Without a certified product listing, your foam system will be rejected at permitting and inspection across Canadian jurisdictions. QAI tests and certifies medium density SPF products against this standard, covering material properties, fire behavior, and durability through a single accredited program.

WHAT THE CERTIFICATION COVERS

QAI conducts the full test scope referenced in CAN/ULC-S705.1, including thermal, physical, and fire performance evaluations.

Testing is conducted against the ASTM methods required by the standard, and results are compiled into a certification package that supports your product listing and, where needed, CCMC evaluation for provincial acceptance.

FREQUENT TESTING METHODS AND STANDARDS

- Thermal resistance (R-value) per ASTM C518
- Flame spread and smoke index per ASTM E84
- Compressive strength and density per ASTM D1621 and D1622
- Water absorption and dimensional stability per ASTM D2842 and D2126
- Vapor permeance per ASTM E96
- Fire performance per CAN/ULC-S102.2 and NFPA 286

Contact us at info@qai.org for your CAN/ULC-S705.1 testing and certification quote.



SPF insulation applied during residential wall framing



Thermal resistance and R-value testing in laboratory



Certified product listed for Canadian building code

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.