



BUILDING PRODUCT LISTING PROGRAM

Customer: Quantum Chemical
Class: Alternate Thermal Barrier
Location: St. Albert, AB
Website: quantumchemical.com

Listing No. B1174
Project No. B1174-1 Edition 1

Effective Date: August 27, 2026
Last Revised Date: August 27, 2026

Standards: CAN/ULC S145:2018 (R2023) *Standard Method of Test for the Evaluation of Protective Coverings for Foam Plastic Insulation – Full Scale Room Test.*

Product: SafeCoat® TBI Intumescent Coating

Markings: Drums of product are labeled in a manner where the following information is visible:

- a) Manufacturer's name or trademark
- b) Product name (SafeCoat® TBI)
- c) Date of Manufacture and/or Traceability Code
- d) QAI file Number: B1174-1
- e) The wording "CAN/ULC S145"
- f) Warning markings as required by the standard in English and French
- g) QAI logo shown here:





Models / Ratings: SafeCoat® TBI Intumescent Coating is approved as a protective barrier for thermosetting foam insulation over the following systems evaluated in accordance with CAN/ULC S145:

QAI Design #	APPROVED THERMOSETTING FOAM PLASTIC			PROTECTIVE COVERING				CAN/ULC S145 CLASSIFICATION ¹
	Product	Maximum Density	Maximum Thickness	Product	Applied Wet Thickness	Final Dry Thickness	Coverage Rate	
B1174-1a	GENYK Boreal Nature Elite	38.2 kg/m ³ (2.4 (lbs/ft ³))	100 mm (4 inches)	SafeCoat® TBI	2 Passes 0.2 mm (8 mils) Total 0.4 mm (16 mils)	0.25 mm (10 mils)	2.2 m ² /L (88 ft ² /gal)	10-Minutes

Note 1: SafeCoat® TBI at the noted applied thickness complies as a protective covering over thermosetting plastic insulation in accordance with the 2025 National Building Code of Canada Section 3.1.4.2 Item d).

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