

- DESCRIPTION:** Available in both flat and tapered panels. Closed-cell polyisocyanurate (polyiso) foam core integrally bonded to non-asphaltic, fiber-reinforced organic felt facers (GRF) on both sides. ACFoam-II is offered in a variety of thicknesses (including tapered insulation). Flat ACFoam-II is available in 4ft x 8ft (1220mm x 2440mm) and 4ft x 4ft (1220mm x 1220mm) panels. Tapered ACFoam-II is available in 4ft x 4ft (1220mm x 1220mm) panels. Manufactured in accordance with ASTM C1289, Type II, Class 1, Grade 2 (20 psi) or Grade 3 (25 psi) and CAN/ULC-S704 Type 2, Class 3 or Type 3, Class 3.
- APPLICATION:** Manufactured and tested for use in new and re-roofing applications. ACFoam-II roof insulation shall be installed over the insulated roof deck - RD1 and RD1-M products. ACFoam-II is used with mechanically attached or fully adhered single-ply OneDek® TPO or PVC roofing systems. These roofing systems depend on proper installation for successful performance. Refer to the AWIP OneDek Design Guide and UL Product iQ® for additional application details.
- INSTALLATION:** ACFoam-II shall be kept dry before, during and after installation. This product will burn if exposed to an ignition source of sufficient heat and intensity. Do not apply flame directly to ACFoam-II insulation. Refer to product packaging, Atlas Technical Bulletin #12 and PIMA Technical Bulletin #109 for storage and handling recommendations. Typical field fastening requirements are outlined in the OneDek Design Guide and Installation Guide. Project specific fastening are outlined in the project shop drawings.

## ACFOAM-II Meets or Exceeds the Following Physical Properties

Property	Test Method	ASTM C1289 or CAN/ULC S704 Minimum Requirements
Dimensional Stability	ASTM D2126	< 2%
Compressive Strength	ASTM D1621	20 psi (140 kPa) or 25 psi (172 kPa)
Water Absorption	ASTM C209 ASTM C1763 ASTM D2842	< 1.5% <1.5% < 3.5%
Water Vapor Transmission	ASTM E96	< 1.5 perm (85.5ng/(Pa•s•m <sup>2</sup> ))
Product Density	ASTM D1622	Nominal 2.0 pcf (32.04 kg/m <sup>3</sup> )
Flame Spread	ASTM E84/UL723 (10 min.)	<sup>1</sup> 40-60
Smoke Development	ASTM E84/UL723 (10 min.)	<sup>1</sup> 50-170
Tensile Strength	ASTM D1623	> 730 psf (35 kPa)
Service Temperature	-	-100°F to +250°F

<sup>1</sup>Numerical ratings are not intended to reflect performance under actual fire conditions. Flame spread index of ≤75 and smoke development ≤450 meet code requirements for foam plastic roof insulation. Physical properties listed above are presented as typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation.

- ASTM C1289, Type II, Class 1, Grade 2 (20 psi) or Grade 3 (25 psi)
- CAN/ULC-S704, Type 2, Class 3 or Type 3, Class 3
- CCMC No. 12464-L
- UL Certified for Canada - Insulated Roof Deck Assemblies- CAN/ULC S107 - TGFU7.R39354
- UL Standard 790 - Spread of Flame - TGFU.R39354
- FM 4474 Wind Uplift Resistance
- FM Standard 4450/4470 Approved Refer to FM Approvals® RoofNav for Specific System Details
- California State Insulation Quality Standards and Title 25 Foam Flammability Criteria (License #T 1231)
- Has achieved GREENGUARD GOLD Certification

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