



R&D Services, Inc.
209 Tennessee Blvd
Watertown, TN 37184
(931) 372-8871
www.rdservices.com

PRODUCT LISTING

RDS-F1200.1

Issued: August 13, 2025
Renewal Due: January 1, 2026

1.0	PRODUCT:	ACFoam®-II 20 psi
2.0	MANUFACTURER:	Atlas Roofing Corporation
3.0	MANUFACTURING LOCATIONS:	– 817 Spangler Rd. Camp Hill, PA 17011 – 40 S. 45th Ave. Phoenix, AZ 85043 – 11020 Leroy Dr. Northglenn, CO 80233 – 101 W Borden Dr. Diboll, TX 75941 – 3110 Morton Dr. East Moline, IL 61244 – 971 Derwent Way Delta, BC V3M 5R4, Canada – 55 Akron Rd. Etobicoke, ON M8W 1T3, Canada – 1303 Orchard Hill Rd. Lagrange, GA 30240
4.0	PRODUCT TYPE:	– Closed-cell polyisocyanurate foam core integrally bonded to non-asphaltic, fiber-reinforced organic felt facers. – ASTM C1289 Type II, Class 1, Grade 2

5.0 PRODUCT IS EVALUATED ACCORDING TO THE FOLLOWING STANDARDS:

- 5.1 ASTM C1289 “Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board”

6.0 PRODUCT IDENTIFICATION AND MARKINGS:

- 6.1 Packaging of the listed product shall contain the manufacturers’ name and address and the product name.
- 6.2 Product is identified by type, class, and grade (when applicable) according to the corresponding designation listed in ASTM C1289.
- 6.3 The use of the R&D Services, Inc. (RDS) listing logo (containing the listing number), and the RDS ISO/IEC accreditations are voluntary but will be used in accordance with the listing agreement.

7.0 DESCRIPTION OF LISTING PROGRAM:

- 7.1 Each manufacturing location is evaluated no less than one time in a three-year period for physical properties per ASTM C1289. Sampling of available product is performed during each evaluation.
- 7.2 Inspections are performed by a third party at the production facility. During each inspection, samples of product are selected for testing referenced in 7.3.
- 7.3 For each evaluation, RDS conducts the following tests. All tests shall be conducted by an ISO/IEC 17025 accredited testing laboratory.
- | | | |
|-------|---------------------------|------------|
| 7.3.1 | Compressive Strength | ASTM D1621 |
| 7.3.2 | Dimensional Tolerance | ASTM C303 |
| 7.3.3 | Trueness and Squareness | ASTM C550 |
| 7.3.4 | Flexural Strength | ASTM C203 |
| 7.3.5 | Tensile Strength | ASTM C209 |
| 7.3.6 | Water Absorption | ASTM C1763 |
| 7.3.7 | Water Vapor Permeance | ASTM E96 |
| 7.3.8 | Dimensional Stability | ASTM D2126 |
| 7.3.9 | Thermal Resistance (Aged) | ASTM C518 |

8.0 PRODUCT SAMPLING

- 8.1 Product shall be sampled by an ISO/IEC 17020 accredited inspection body according to availability.



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9.0 INSTALLATION:

- 9.1 Product shall be installed in accordance with the manufacturer's published installation instructions by qualified installation personnel.

10.0 EVALUATED PROPERTIES AND RESULTS:

The table shows the performance requirements of ASTM C1289. The evaluated product meets or exceeds the values in the table below.

Property	Requirements per ASTM C1289
Dimensional Tolerance (inch)	
Width	± 0.25
Length	± 0.25
Thickness	± 0.125
Face Trueness (inch/foot)	0.125
Board Squareness (inch/foot)	0.063
Edge Trueness (inch/foot)	0.031
Compressive Strength (lb_f/in^2)	≥20.0
Flexural Strength (lb_f/in^2)	≥40.0
Tensile Strength (lb_f/in^2)	≥3.5
Water Absorption (Volume %)	≤1.5
Water Vapor Permeance (perm)	≤1.5
Dimensional Stability (% change) <i>Exposure at -40 °F</i>	
Length	2.0
Width	2.0
Thickness	4.0
Dimensional Stability (% change) <i>Exposure at 200 °F</i>	
Length	2.0
Width	2.0
Thickness	4.0
Dimensional Stability (% change) <i>Exposure at 158 °F & 97% RH</i>	
Length	2.0
Width	2.0
Thickness	4.0
Aged Thermal Resistance at 75 °F ($^\circ\text{F}\cdot\text{ft}^2\cdot\text{h}/\text{Btu}$) 1-inch thickness	5.6

Property	As Published by Manufacturer
Long Term Thermal Resistance (LTTR)	23.6 (4 inch product) 17.4 (3 inch product) 11.4 (2 inch product) 5.7 (1 inch product)



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11.0 EVIDENCE SUBMITTED:

The following test reports we submitted in accordance with ASTM C1289 to support the listing of this product.

Facility	Report Number	Date
Camp Hill, PA	**	**
Phoenix, AZ	**	**
Northglenn, CO	**	**
Diboll, TX	**	**
East Moline, IL	RD25239	June 17, 2025
Delta, BC	RD25387	July 17, 2025
Etobicoke, ON	RD25253	July 17, 2025
Lagrange, GA	RD25241	July 17, 2025

**Test results are pending

This report confirms that R&D Services, Inc. has evaluated the product described and determined it is eligible for listing. No other product is included under this listing. R&D Services, Inc. makes no expressed or implied warranty or guarantee regarding the product.

R&D Services is accredited by the International Accreditation Service (IAS) as an ISO/IEC 17025 testing laboratory (No. TL-566) and an ISO/IEC 17020 inspection body (No. AA-712). These accreditations apply only to R&D Services' testing and inspection activities—not to products or product manufacturers.