



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

PRODUCT LISTING

RDS-F1201.1

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

1.0	PRODUCT:	ACFoam®-III 20 psi
2.0	MANUFACTURER:	Atlas Roofing Corporation
3.0	MANUFACTURING LOCATIONS:	<ul style="list-style-type: none">– 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:	<ul style="list-style-type: none">– Closed-cell polyisocyanurate foam core integrally bonded to inorganic coated glass facers.– ASTM C1289 Type II, Class 2, 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)	≤4.0
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	5.3

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	RD25168	August 5, 2025
Phoenix, AZ	**	**
Northglenn, CO	RD25158	July 3, 2025
Diboll, TX	**	**
East Moline, IL	RD25255	July 18, 2025
Delta, BC	**	**
Etobicoke, ON	RD25251	June 17, 2025
Lagrange, GA	RD25242	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.