



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

PRODUCT LISTING

RDS-S8528

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

- 1.0 **PRODUCT:** Applegate Stabilized Cellulose
- 2.0 **MANUFACTURER:** GreenFiber
 - 645 McIntire Lane
Decatur, AL 35603
 - 1241 Meadowbrook Drive
Eastanollee, GA 30538
- 3.0 **MANUFACTURING LOCATIONS:**
 - 1925 State Route 1241 N.
Hickory, KY 42066
 - 1050 Superior Avenue
Chambersburg, PA 17201
 - 1000 Highview Drive
Webberville, MI 48892
 - 2364 Hwy 7
Lester Prairie, MN 55354
- 4.0 **PRODUCT TYPE:** Applegate Stabilized Cellulose® is a loose fill cellulose insulation containing a dry adhesive that, when activated by water, reduces settling. It is intended for building applications such as attics, floors, and walls.

5.0 PRODUCTS ARE EVALUATED ACCORDING TO THE FOLLOWING STANDARDS:

- 5.1 ASTM C1497-12 “Standard Specification for Cellulosic Fiber Stabilized Thermal Insulation”
- 5.2 16 CFR Part 1209 “Interim Safety Standard for Cellulose Insulation”

6.0 IDENTIFICATION AND MARKINGS:

- 6.1 Packaging of the listed product may contain the manufacturers name and address and the product name. 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 Quarterly on-site inspections of procedures and product testing are performed by RDS through visits to the facility. During each inspection the following actions are taken:
 - 7.1.1 Samples of cellulose product are selected for testing referenced in 7.2 and 7.3.
 - 7.1.2 In-house quality control records are reviewed for frequency and consistency
 - 7.1.3 Quality control test equipment is checked for calibration and functionality
- 7.2 Each quarter, RDS conducts the following tests:
 - 7.2.1 Design density - ASTM C739
 - 7.2.2 Critical Radiant Flux - ASTM C1497/E970
 - 7.2.3 Smoldering Combustion - ASTM C1497/C739
 - 7.2.4 pH – ASTM D778
- 7.3 Annually, RDS conducts the following test:
 - 7.3.1 Thermal Resistance – ASTM C1497/C518
 - 7.3.2 Corrosiveness – ASTM C1497/C1149
 - 7.3.3 Fungi Resistance – ASTM C1497/C1338
 - 7.3.4 Water Vapor Sorption – ASTM C1497/C739
 - 7.3.5 Odor Emission – ASTM C1497/C1304



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8.0 INSTALLATION:

- 8.1 Product is to be installed in accordance with the manufacturer’s published installation instructions by qualified installing personnel.
 - 8.1.1 For loose fill applications:
<http://www.applegateinsulation.com/Product-Info/Technical-Pages/249537.aspx>
 - 8.1.2 For wall applications:
<http://www.applegateinsulation.com/Product-Info/Technical-Pages/249664.aspx>

9.0 EVALUATED PROPERTIES AND RESULTS:

PROPERTY	RESULT
Per ASTM C1497	
Design Density (lb/ft ³)	1.23, 1.26, 1.31
Critical radiant flux (W/cm ²)	GREATER THAN 0.12
Smoldering combustion (max %)	LESS THAN 15
Corrosiveness (all metals)	PASS
Moisture vapor sorption (%)	LESS THAN 15
Thermal resistivity (°F·ft·h/Btu·in.)	3.53, 3.55, 3.59
Fungi resistance	NO GROWTH
Odor Emission	PASS

This listing report indicates that R&D Services, Inc. has evaluated this product as described herein, and it is eligible for listing. No other product is covered by this listing. R&D Services, Inc. makes no warranty, expressed or implied, or guarantee regarding the product covered by this listing.