



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

# PRODUCT LISTING

## RDS-LF5000

Issued: January 1, 2021  
Renewal Due: January 1, 2022

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- 1.0 PRODUCT:** Jet Stream Ultra
- 2.0 MANUFACTURER:** Knauf Insulation, Inc.
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- 3.0 MANUFACTURING LOCATIONS:**     ▪ 3100 Ashby Rd.  
Shasta Lake, CA 96019
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- 4.0 PRODUCT TYPE:** Loose-Fill Fiberglass Insulation for Attic Application
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**5.0 PRODUCTS ARE EVALUATED ACCORDING TO THE FOLLOWING STANDARDS:**

- 5.1 ASTM C764-11 “Standard Specification for Mineral Fiber Loose-Fill Thermal Insulation”

**6.0 IDENTIFICATION AND MARKINGS:**

- 6.1 Packaging of the listed product shall contain the manufacturers name and address, the product name, the R&D Services, Inc. (RDS) listing logo (containing the listing number), and the RDS ISO-17020 accreditation identification (AA-712).

**7.0 DESCRIPTION OF LISTING PROGRAM:**

- 7.1 Bi-monthly on-site product sampling is performed by RDS through unannounced visits to the facility. During each sampling the following actions are taken:
- 7.1.1 Samples of fiberglass product are selected for testing referenced in 7.2 and 7.3.
- 7.2 Each bi-monthly sample, RDS conducts the following tests:
- 7.2.1 Thermal Resistance - ASTM C687 and C518
- 7.3 Once per four years per facility, RDS conducts the following tests to comply with ASTM C764:
- 7.3.1 Critical Radiant Flux – ASTM E970
  - 7.3.2 Noncombustibility – ASTM E136
  - 7.3.3 Water Vapor Sorption – ASTM C1104
  - 7.3.4 Odor Emission – ASTM C1304
  - 7.3.5 Corrosiveness to Copper, Steel and Aluminum – ASTM C764
  - 7.3.6 Fungi Resistance – ASTM C1338

**8.0 INSTALLATION:**

- 8.1 Product is to be installed in accordance with the manufacturer’s published installation instructions by qualified installing personnel.



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**9.0 EVALUATED PROPERTIES AND RESULTS:**

PROPERTY	RESULT
<b>PER ASTM C764</b>	
Thermal resistance (R Value)	≥ 95 % OF LABEL
Critical radiant flux (W/cm <sup>2</sup> )	≥ 0.12
Non-Combustibility	PASS
Water vapor sorption (Mass %)	≤ 5
Odor Emission	PASS
Corrosiveness (Copper, Steel, Aluminum)	PASS
Fungi resistance	NO GROWTH

*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.*