



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

# PRODUCT LISTING

## RDS-LF9990

Issued: March 16, 2021  
Renewal Due: January 1, 2022

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|-------------------------------------|--|
| <b>1.0 PRODUCT:</b>                 | PF Premium                                 |
| <b>2.0 MANUFACTURER:</b>            | Prairie Fibre Inc.                         |
| <b>3.0 MANUFACTURING LOCATIONS:</b> | 280 Park Road West<br>Steinbach, MB Canada |
| <b>4.0 PRODUCT TYPE:</b>            | Loose-Fill Cellulose Insulation            |
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### 5.0 PRODUCTS ARE EVALUATED ACCORDING TO THE FOLLOWING STANDARD:

- 5.1 CAN/ULC-S703-09 (2015) "Standard for Cellulose Fibre Insulation for Buildings"

### 6.0 IDENTIFICATION AND MARKINGS:

- 6.1 Packaging of the listed product is permitted by R&D Services, Inc. to use the (RDS) listing logo (containing the listing number), and the RDS ISO-17025 accreditation identification (TL-566).

### 7.0 DESCRIPTION OF LISTING PROGRAM:

- 7.1 Bi-annual on-site inspections of procedures and product testing are performed by RDS through unannounced 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, 7.3, and 7.4.
  - 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
- In addition to bi-annual inspections, the manufacturer submits additional product for testing on a bi-annual basis.
- 7.2 Each quarter, RDS conducts the following tests:
- 7.2.1 Limiting Design density (Type 1 Open Spaces) - CAN/ULC S703-09, Section 6.3.3
  - 7.2.2 Open Flammability - CAN/ULC S703-09, Section 6.3.9
  - 7.2.3 Smoulder Resistance - CAN/ULC S703-09, Section 6.3.12
- 7.3 Bi-annually, RDS conducts the following tests:
- 7.3.1 Thermal Transmission Properties - CAN/ULC S703-09, Section 6.3.13
- 7.4 Annually, RDS conducts the following tests:
- 7.4.1 Corrosiveness – CAN/ULC S703-09, Section 6.3.2
  - 7.4.2 Fungi Resistance – CAN/ULC S703-09, Section 6.3.7
  - 7.4.3 Moisture Vapour Sorption – CAN/ULC S703-09, Section 6.3.8
  - 7.4.4 Open Flammability Permanency - CAN/ULC S703-09, Section 6.3.10
  - 7.4.5 Separation of Chemicals – CAN/ULC S703-09, Section 6.3.11

### 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:

- 9.1 The table shows the performance requirements of CAN/ULC-S703-09 (2015). The evaluated product meets or exceeds the values in the table.
- 9.2 The limiting design density and thermal transmission properties are actual product performance values.

PROPERTY	RESULT
Limiting Design density (lb/ft <sup>3</sup> )	1.47
(kg/m <sup>3</sup> )	23.55
Open Flammability (W/cm <sup>2</sup> )	GREATER THAN 0.12
Open Flammability Permanency (W/cm <sup>2</sup> )	GREATER THAN 0.12
Smoulder Resistance (max %)	LESS THAN 15
Corrosiveness (all metals)	PASS
Moisture vapour sorption (%)	LESS THAN 20
Thermal Transmission Properties (°F·ft·h/Btu·in.)	3.60
(m·K)/W	25.0
Fungi resistance	NO GROWTH
Separation of Chemicals (%)	LESS THAN 1.5

*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.*