



**BUILDING PRODUCTS LISTING PROGRAM**

Customer: Chemco Inc.  
Class: Fire Retardant Treated Wood Products  
Location: Ferndale, WA  
Website: <https://www.saferwood.com>  
Listing No. B1152-1  
Effective Date: November 7, 2024  
Last Revised Date: January 9, 2026  
Expires: N/A  
Standards: CAN/ULC S102-18 *Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.*  
ASTM E84-22 *Standard Test Method for Surface Burning Characteristics of Building Materials”, extended an additional 20 minutes (ASTM E84 30-Minute Duration).*  
ASTM E2768-11(R2018) *Standard Test Method for Extended Duration Surface Burning Characteristics of Building Materials (30 min Tunnel Test)”.*  
ASTM D2898-10(R2017) *Standard Practice for Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing.*  
ASTM D3201/D3201M-20 *“Standard Test Method for Hygroscopic Properties of Fire-Retardant Wood and Wood-Base Products”.*

Product: FRX, Saferwood-FX, Thermex-FX, Mataverde Fire Retardant Treated Lumber  
FRX, Saferwood-FX, Thermex-FX, Mataverde Fire Retardant Treated Plywood

Species:

- Lumber Grades: Southern Yellow Pine (SYP), Douglas-fir (DF), Spruce-Pine-Fir (SPF), Western Red Cedar (WRC), Redwood (RW), Hemlock-Fir (HF)
- Engineered Wood Structural Panels: Southern Yellow Pine (SYP), Douglas-fir (DF), Western Red Cedar (WRC), White Spruce (WS), Western Hemlock-Fir (HF).
- Siding and Decking (Non-Structural) Grade: DF, SFP, WRC, RW, HF, Thermally Modified Ayous (TM AY), Thermally Modified Nordic Pine (TM NP)

Label(s): Example labels found in QAI certified FRX, Saferwood-FX, Thermex-FX, Mataverde, Flame Repel Fire Retardant Treated Wood products are outlined below:



**Chemco, Inc.**  
Ferndale, Washington  
SaferWood Pressure Treated  
Fire-Retardant Lumber  
ICC ES Report ESR-1159  
ESL 1021

 **CERus-1031**

MIL-L-19140E Specification  
FR-12-X Type II Category 2  
Classification: Exterior  
Species: Douglas Fir

Tested per ASTM E84 / U. 723  
Extended for 30 min, no increase in listed  
Classification when subjected to standard  
rain test ( ASTM D2898 ) KDAT

**FSI: 25 or less**  
**SDI: 45 or less**

Treated  
(Month / Year):

**QAI LABORATORIES**  
IAS Report No.AA-635

Ratings: The following outlines FRX, Saferwood-FX, Thermex-FX, Mataverde Fire Retardant Treated Wood product ratings:

**Table 1. FRX, Saferwood-FX, Thermex-FX, Mataverde Fire Retardant Treated Lumber Surface Burning Characteristics per CAN/ULC S102.**

SPECIES GRADE	Flame Spread Index (FSI) <sup>1</sup>	Smoke Developed Index (SDI)
LUMBER: SYP, DF, SPF, WRC, RW, HF	≤ 25 <sup>2</sup>	≤ 100
WOOD STRUCTURAL PANEL: SYP, SPF, DF, WRC, WS, HF	≤ 25 <sup>2</sup>	≤ 100

Note 1: Flame spread index is determined after weathering in accordance with ASTM D2898 per the 2020 National Building Code of Canada Section 3.1.4.8 clause 3) for exterior grade products.

Note 2: Flame spread index complies with Section 3.1.4.5 of the 2020 National Building Code of Canada Section 3.1.4.5 clause b) flame spread rating requirements.

**Table 2. FRX, Saferwood-FX, Thermex-FX, Mataverde Fire Retardant Treated Lumber Surface Burning Characteristics per ASTM E84 (Extended) / ASTM E2768<sup>1</sup>**

PRODUCT	SPECIES	Flame Spread Index (FSI)	Smoke Developed Index (SDI)	Flame Front <sup>2</sup>
LUMBER:	SYP, DF, SPF, WRC, RW, HF, A, NP	< 25	< 450	< 10.5 feet.
WOOD STRUCTURAL PANEL <sup>3</sup> :	SYP, DF, WS, WRC, HF	< 25	< 450	< 10.5 feet.
SIDING AND DECKING (NON-STRUCTURAL):	TM AY, TM NP	< 25	< 450	< 10.5 feet.

Note 1: Flame spread index is determined after weathering in accordance with ASTM D2898 for exterior grade products.

Note 2: No evidence of significant progressive combustion after extended 20 minutes duration.

Note 3: Testing of wood panels was conducted without ripping or longitudinal cut of 1/8" (0.375 inches) included.



FRX, Saferwood-FX, Thermex-FX, Mataverde Fire Retardant Treated Lumber products strength adjustment factors are outlined in QAI Code Evaluation Report CER<sub>US</sub>-1031. Strength adjustments outlined in the noted CER<sub>US</sub>-1031 should be used in conjunction with the approved wood design methodology where fire-retardant treated wood products are used in load-bearing applications (National Design Specification USA / CSA 086 Canada).

FRX, Saferwood-FX, Thermex-FX, Mataverde Fire Retardant Treated Wood Structural Panel products strength adjustment factors are outlined in QAI Code Evaluation Report CER<sub>US</sub>-1042. Strength adjustments outlined in the noted CER<sub>US</sub>-1042 should be used in conjunction with the approved wood design methodology where fire-retardant treated wood products are used in load-bearing applications (National Design Specification USA / CSA 086 Canada).

Siding and Decking (Non-Structural) products are evaluated for weathering and ignition resistance. These products are not evaluated for strength adjustment.

FRX, Saferwood-FX, Thermex-FX, Mataverde products have less than 28% moisture content when tested in accordance with ASTM D3201 at a 92 percent-relative humidity.

**Note:** Final acceptance of the product in the intended application is to be determined by the authority having jurisdiction.

The materials, products or systems listed herein have been qualified to bear the QAI Listing Mark under the conditions stated with each Listing. Only those products bearing the QAI Listing Mark are considered to be listed by QAI. No warrantee is expressed or implied, and no guarantee is provided that any jurisdictional authority will accept the Listing found herein. The appropriate authorities should be contacted regarding the acceptability of any given Listing. Visit the QAI Online Listing Directory located at [www.qai.org](http://www.qai.org) for the most up to date version of this Listing and to validate that this QAI Listing is active. Questions regarding this listing may be directed to [info@qai.org](mailto:info@qai.org). Please include the listing number in the request.

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