



Approvals and Listings:

D-Blaze® FRTW meets or exceeds the guidelines for testing construction materials as set forth and/or established by the following authorities and specifications:

Underwriters Laboratories® United States (UL®):

- Listed and Classified: FRT Lumber, FRT Plywood and FRTW as a component of assemblies
- **FR-S Rating** for low smoke and flame development indexes of less than 25.

Underwriters Laboratories® of Canada (ULC®)

- CAN/ULC-S102: Surface Burning Characteristics of Building Materials and Assemblies
- CAN/ULC-S102.2: Surface Burning Characteristics of Flooring, Floor Covering and Miscellaneous Materials and Assemblies

US Building Code Compliant Pressure-Impregnated FRTW

- 2015, 2012, 2009 & 2006 International Building Code (IBC)
- 2015, 2012, 2009 & 2006 International Residential Code (IRC)

Canadian Building Code Compliant Pressure-Impregnated FRTW

- 2015 National Building Code of Canada (NBC)

National Fire Protection Association (NFPA 255)

City of Los Angeles: LA RR 24502

- ICC-ESR 2645 (Retained for the City of Los Angeles)

California State Fire Marshal Building Materials Listings (CSFM BML)

- Listings for D-Blaze Plywood and Lumber

New York City Building Code (MEA Numbers 406-87 and 407-87)

American Wood Protection Association (AWPA)

- P50, U1, UCFA for interior Type A High Temperature (HT)

GREENGUARD Gold Certified

- No VOC's and No Formaldehyde



This product has been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code. See CSFM Building Material Listing (BML) Numbers: [Plywood: 2580-2080-0100](#) & [Treated Lumber: 2580-2080-0101](#) for allowable values and/or conditions for use concerning material presented in this document. (CSFM BML is subject to re-examination, revision and possible cancellation.)

Testing:

ASTM E 84: Standard Test Method for Surface Burning Characteristics of Building Materials extended for an additional 20 minutes. (30-minute test duration)

ASTM D 3201: Standard Test Method for Hygroscopic Properties of Fire-Retardant Wood and Wood-Based Products

ASTM D 5516: Standard Test Method for Evaluating the Flexural Properties of Fire-Retardant Treated Softwood Plywood Exposed to Elevated Temperatures

ASTM D 5664: Standard Test Method for Evaluating the Effects of Fire-Retardant Treatments and Elevated Temperatures on Strength Properties of Fire-Retardant Treated Lumber

Structural Properties

D-Blaze FRTW has been tested by independent laboratories following industry standards ASTM D 5516 & ASTM D 5664 to develop strength reduction factors for various use conditions, including roof temperatures of up to 150° F for lumber and 170° F for plywood. Consult the Data Tables in the D-Blaze Technical Specifications Brochure for more information. Table 1 (D-Blaze Lumber Strength Design Adjustment Factors) and Table 2, 3 and 4 (D-Blaze Plywood Span Rating Adjustments) for specific adjustment factors.