

# D-BLAZE®

## FIRE RETARDANT TREATED WOOD



# Build in Fire Protection

## Fire Retardant Treated Wood (FRTW)



D-Blaze® treated lumber and plywood is designed for interior applications where fire retardant construction materials are specified or required by the building code and is highly effective at controlling the spread of flame and reducing smoke development.

Fire-retardant materials are required in construction specifically to increase the time for people to evacuate and reach safety. D-Blaze® FRTW slows the combustion cycle by forming a protective layer of char, hindering flame spread and smoke formation, increasing evacuation time and potentially reducing damages and subsequent repair costs.

### Code Compliant FRTW

- ▶ Underwriters Laboratories® Classified UL® Class A (Class 1) with FR-S Rating CAN/ULC S102 & S102.2
- ▶ GREENGUARD GOLD Certified
- ▶ National Fire Protection Association (NFPA 255)
- ▶ City of Los Angeles Research Report: RR 24502
- ▶ New York City Building Code (MEA Numbers 406-87 and 407-87)
- ▶ National Building Code of Canada
- ▶ AWPA Standardized (P50, U1, UCFA) Interior Type A High-Temperature (HT) FRTW
- ▶ California Dpt. of Forestry and Fire Protection CSFM BML for D-Blaze Plywood and Lumber
- ▶ ICC-ES ESR 2645
- ▶ **50-Year Limited Warranty\***

### Strategic Benefits of Using D-Blaze® FRT

The following applications of D-Blaze® FRTW may also reduce construction costs and/or insurance costs:

- ▶ D-Blaze® FRTW for the roof's trusses and decks may qualify a masonry-wall building as "non-combustible"
- ▶ D-Blaze® wood roof decking may be accepted in lieu of parapet walls in multi-family dwellings
- ▶ D-Blaze® FRTW wood partitions may allow for an increase in square footage and lower insurance rates
- ▶ D-Blaze® FRTW is commonly accepted by building codes for partition walls, store fronts, fixtures and roof construction in shopping centers
- ▶ D-Blaze® FRTW may reduce or even eliminate the requirement for installed sprinkler systems

### Common Applications

- ▶ Roofs & Attics: trusses, plywood sheathing, decks and rafters
- ▶ Walls: load-bearing & partition, plywood sheathing and studs
- ▶ Flooring: subfloors, joists, plywood sheathing, studs and trusses
- ▶ Other structural uses: stairways, steps, beams, blocking, and paneling

### Product Features

- ▶ Very low smoke rating
- ▶ Workable with common wood-working tools
- ▶ Low-corrosivity, low-hygroscopicity, and non-blooming
- ▶ No VOC's or Formaldehyde - UL GreenGuard Gold Certified

### Approvals




- ▶ D-Blaze® FRT wood meets the established IBC, IRC, NFPA and UL testing requirements for use in construction applications where FRTW products may be used.

### Testing Regimens

- ▶ For each approved wood species, D-Blaze® FRTW exhibited a flame spread and smoke developed index of 25 or less under ASTM E 84 flame tunnel testing for an extended 30-minute duration without showing evidence of significant progression of combustion
- ▶ 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.
- ▶ D-Blaze® FRTW has been tested for hygroscopicity in accordance with ASTM D 3201, resulting in classification of D-Blaze as an interior Type A (HT) fire-retardant wood as defined in AWPA Standards (UCFA).
- ▶ D-Blaze® FRTW is regularly inspected by UL® and ALSC-accredited agencies to ensure quality control of both treatment levels and kiln drying after treatment.

### How to Specify D-Blaze® FRTW

- ▶ **Standardized 3-part specifications are available at**  
**www.treatedwood.com and www.ARCAT.com** 
- ▶ All structural design calculations shall be based on the D-Blaze® Strength Design Factor Tables as published in ICC ESR 2645 or the "D-Blaze® Technical Specifications Brochure" found on [www.treatedwood.com](http://www.treatedwood.com)

D-Blaze® Fire Retardant treated wood products are produced by independently owned and operated pressure treated wood facilities. \*See D-Blaze® 50-Year Limited Warranty for details at [www.treatedwood.com](http://www.treatedwood.com). D-Blaze® and Viance® are registered trademarks of Viance, LLC. AWPA is a registered trademark of the American Wood Protection Association. UL® is a registered trademark of the Underwriters Laboratories. All logos and trademarks are exclusive properties of their respective owners.



# Understanding Fire Retardant Treated Wood (FRTW) Preservative Options

## Comparison Chart

	<b>D-BLAZE</b> FIRE RETARDANT TREATED WOOD	Pyro-Guard®	Dricon®
Building Code Compliant	✓	✓	✓
ICC-ES Report Available	✓	✓	✓
Continuing Education Courses Provided to Specifiers	✓	✓	
UL® Classified	✓	✓	
AWPA Standardized	✓		✓
UL® GREENGUARD Gold Certified	✓		
Contains <u>No</u> Volatile Organic Compounds (VOC)	✓		
50-Year Limited Warranty	✓		

### Sources

D-Blaze®      www.treatedwood.com  
 Pyro-Guard®      www.frtw.com  
 Dricon®      www.wolmanizedwood.com



**Allweather  
Wood™**

AllweatherWood.com



**Humboldt  
Redwood™**

GetRedwood.com