



## THE NEW STANDARD FOR FIRE RETARDANT TREATED WOOD



Flame Tech™ Fire Retardant Treated Wood (FRTW) is a pressure-impregnated, code compliant, fire retardant treated wood product that is highly effective in reducing the spread of flames and smoke development caused by fire. Your structure deserves high-performance.

### BENEFITS OF USING FLAMETECH PRODUCTS

- Exceeds Building code requirements
- Superior strength values
- 1 and 2-Hr Fire Rated wall assemblies
- Shear Wall Ready
- No mineral wool or high-density insulation required
- Best in-class customer service and technical support



### Certified and Listed with Accredited Testing Agencies

Flame Tech™ fire retardant lumber and plywood products have been tested, certified and listed with QAI Laboratories (Listing B-1093-1), Intertek Laboratories (Listing 720035) and Underwriters Laboratories (Listing BUGV.r39579 & BPVV.r39580), all of which are prominent, internationally accredited testing agencies.

### Ongoing Independent Third Party Inspections

Timber Product Inspection (TPI) provides ongoing random follow-up inspections to assure compliance with AWPA standards for fire retardant treatment and the required quality control metrics for fire retardant chemical, physical treating parameters and kiln drying. This monitoring program is in addition to the QAI, UL and Intertek follow-up requirements for listing.

### Building Code Compliant

All Flame Tech™ fire retardant lumber and plywood meets the requirements for FRTW listed in ICC AC66 and as such are compliant with major building codes. Flame Tech™ treated wood products are compliant with 2018, 2015, 2012 and 2009 International Building Code® (IBC).

Always check with applicable building codes to determine what specific criteria are required for any given locality or job.

### American Wood Protection Association (AWPA) Compliance

Flame Tech™ Fire Retardant wood products comply with AWPA UC-1 and UCFA use category system. Flame Tech™ treatment process meets the AWPA T1 standard and Flame Tech™ chemical has been analyzed by Timber Products Inspection (TPI) to determine that the chemical components meet AWPA P-50 protocol.



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### Testing and Approvals

#### ASTM International (ASTM):

**ASTM D3201** – Standard Test Method for Hygroscopic Properties of Fire-Retardant Wood and Wood-Base Products

**ASTM D5516** – Standard Test Method for Evaluating the Flexural Properties of Fire-Retardant Treated Softwood Plywood Exposed to Elevated Temperatures

**ASTM D5664** – Standard Test Method for Evaluating the Effects of Fire-Retardant Treatments and Elevated Temperatures on Strength Properties of Fire-Retardant Treated Lumber

**ASTM D6305** – Standard Practice for Calculating Bending Strength Design Adjustment Factors for Fire Retardant Treated Plywood Roof Sheathing

**ASTM D6841** – Standard Practice for Calculating Treatment Adjustment Factors for Fire Retardant Treated Lumber

**ASTM E84** – Standard Test Method for Surface Burning Characteristics of Building Materials

**ASTM 2768** – Extended Duration Surface Burning Characteristics of Building Materials

**ASTM E119** – Fire Tests of Building Construction and Materials

#### American Wood-Protection Association (AWPA):

**AWPA E12** – Standard Method of Determining the Corrosion of Metal in contact with wood

**AWPA P50** – Standard for Fire Retardant FR-2 (FR-2)

**AWPA T1** – Use Category System: Processing and Treatment Standard

**AWPA U1** – Use Category System: User Specifications for Treated Wood

#### Certification Agencies

**Intertek** – **ASTM E84/ASTM E2768** – Intertek SpecDirect ID – 37150

**Intertek** – **ASTM E119** – FRCT/FRWT 120-1, FRCT/FRWT 120-2, FRCT/FRCT/FRWT 60-1, FRWT 60-2, FRCT/FRWT 60-3, and FRCT/FRWT 60-4

**QAI** – **ASTM E84/ASTM E2768** – B1093-1

**UL** – **723** – Lumber BUGV.r39579 and Plywood BPVV.r39580

#### Code Compliance Research Reports

**CCRR-1088** (Intertek) – FlameTech™ Fire Retardant Treated Wood

**LARR 26119** (Los Angeles Research Report) –  
FlameTech™ Fire-Retardant – Treated Wood

**ICC ESR Report ESR** – 4056

### Applications for Use

Flame Tech™ FRTW meets and exceeds building code requirements for use with Lumber (DF, SYP, SPF) and Plywood (DF, SYP). The following are typical uses for Flame Tech™ FRTW:

- Fire Blocking
- Flat Roof Blocking
- Interior Wall Blocking
- Plywood Roof Sheathing
- Lumber Roof Decking
- Wall Framing / Sheathing
- Interior Roof / Floor Trusses
- Store Fixtures
- Interior Millwork
- Underlayment
- Interior Scaffold Plank
- Subfloors
- Mezzanine Floors



 **Fire Retardant Chemical Technologies, LLC**

INNOVATORS OF HIGH PERFORMANCE FIRE RETARDANT PRODUCTS

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