

SECTION 06071
INTERIOR FIRE RETARDANT TREATED WOOD
WOOD FLOORING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Fire Retardant treatment of Wood Flooring
- B. Fire Retardant treatment of Wood Trim and Moldings
- C. Fire Retardant Treatment of Wainscot and Paneling
- A. Fire Retardant Treatment of Cabinets

1.2 RELATED SECTIONS

- A. Section 09643 – Wood Flooring
- B. Section 06200 – Interior Finish Carpentry
- C. Section 09584 – Wood Panel Ceilings
- D. Section 05521 - Ornamental Handrails and Railings: Wood
- E. Section 09771 - Wood Veneer Wall Panels
- F. Section 06400 - Architectural Woodwork
- G. Section 06410 – Custom Casework

1.3 REFERENCES

- A. ASTM E 84 – Standard Test Method for Surface Burning Characteristics of Building Materials
- B. NFPA 255 – Standard Test Method for Surface Burning Characteristic of Building Materials
- C. U.L. 723 – Standard Test Method for Surface Burning Characteristics of Building Materials
- D. NFPA 703 – Standard for Fire Retardant Treated Wood and Fire Retardant Coatings for Building Materials

1.4 SUBMITTALS

- A. Submit under provisions of Section 03100 – Submittal Procedures
 - Product Data: Manufacturers printed product information including:
 - Preparation instructions and recommendations
 - Storage and handling instructions
 - Application methods

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Manufacturer shall be a firm engaged in the manufacture of the fire retardant treatment type required, and whose products have been in satisfactory use in similar service for a minimum of fifteen years.
- B. Applicator Qualifications: Applicator shall be a firm experienced in the installation of fire retardant treatments similar in type and scope to that required for this project and is certified by the manufacturer for installation of the product specified.
- C. Regulatory Requirements: Provide fire retardant treatment that complies with the following codes and regulatory requirements
 - 1. ICC Code 2012
 - 2. 2012 NFPA Life Safety Code
 - 3. 2012 International Fire Code (IFC)
 - 4. 2012 International Existing Building Code (IEBC)
 - 5. 2012 International Building Code (IBC)
 - 6. 2012 International Residential Code (IRC)

1.6 DELIVERY, STORAGE AND HANDLING

- A. Store fire retardant in original containers between minimum ambient air temperature of 50° F (10°C).
- B. For lumber treated off-site in new construction prevent exposure to precipitation during shipping, storage or installation of fire retardant treated lumber. Store materials under cover or shelter, off the ground.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Provide fire retardant treatment by or Certified Applicators of International Fire-Shield, Inc, P.O. Box 7305, Auburn, NY 13022; Toll Free Tel: 800-513-5134; Tel: 315-255-1006; E-mail: nyfsinc@nyfs.com
Web: nyfs.com
- B. Substitutions: Not permitted

2.2 MATERIALS

- A. Fire Retardant Treatment
 - 1. Product: Provide treatment with “1500° Series FRV-GF Class “B” as manufactured by International Fire-Shield, Inc.
 - 2. Product shall be listed as having a Flame Spread of 60 and Smoke Developed rating of 170 when tested in accordance with ASTM E-84 (NFPA 255).

PART 3 EXECUTION

3.1 EXAMINATION FOR FIELD TREATMENT

- A. Do not begin application until substrates have been properly prepared or environmental conditions are outside of the Manufacturers absolute limits.
- B. Examine for wet conditions; do not apply product to substrates that are wet or have been wet, unless they can be dried to the maximum moisture content as specified by the manufacturer

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to application of fire retardant
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 FIELD CUTTING TREATED LUMBER

- A. Field cutting of previously treated lumber for required lengths, drilled holes or notching shall have exposed lumber areas recoated in the ripping or milling of lumber after treatment must be re-treated by the certified applicator

3.4 PRODUCT APPLICATION

- A. Materials to be treated shall be free of dust, dirt, wax and oil. Any loose peeling or powdery varnish shall be removed from the surface prior to treatment. Repair all cracks, holes and other surface irregularities. Allow to dry, sand lightly. New previously uncoated surfaces should be sealed prior to application with 1500° Series FRV-GF diluted with one pint of mineral spirits per gallon or other suitable non-lacquer type sealer. All glossy or smooth surfaces should be dulled with sandpaper or steel wool. Thoroughly mix product before application. Apply product at a coverage rate of 400 square feet per gallon by brush, foam roller, airless or conventional-spray apparatus. Allow to dry at least 24 hours or until hard. Lightly sand, clean dust from the surface and apply a second coat at the same coverage rate. Apply product when air temperature is between 50° F (0.6° C) and 120° F (49° C). The maximum moisture of the substrate to be treated prior to application of product shall not exceed 25 percent. In field applications, certified applicator shall perform field testing when required by the authority having jurisdiction. Fire retardant treated substrates delivered to the field or treated after installation shall be labeled with a permanent ink marking as follows:
 - a. Product Manufacturer's Name or Certified Applicators Name
 - b. Date of Treatment
 - c. Certificate of Fire Resistance Tracking and Tag Number
 - d. Meets NFPA 703 Class "B" Finish

3.5 SURFACE BURNING CHARACTERISTICS

- A. The product shall provide a flame spread index of 60 or less and a smoke-developed index of 170 or less when tested in accordance with ASTM E-84 and qualify as a Class “B” finish in accordance with NFPA 703

3.6 CONFORMANCE CERTIFICATION

- A. The manufacturer shall provide written Certification for the substrates treated for meeting the required code of the Authorities Having Jurisdiction

END OF SECTION