

SECTION 06071
INTERIOR IGNITION BARRIER FOR CLOSED &
OPEN CELL POLYURETHANE FOAM INSULATION

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Fire Retardant treatment of ½ pound insulation
- B. Fire Retardant treatment of 2 pound insulation

1.2 RELATED SECTIONS

- A. Section 02100 – Thermal Insulation
- B. Section 07214 – Building Insulation
- C. Section 09810 – Protective Coatings
- D. Section 09990 – Painting and Coating

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. CAN/ULC – S102 Standard Test Method for Surface Burning Characteristics of Building Materials
- E. ICC Alternate Test Protocol for Ignition Barrier

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. Fire Retardant: Manufacturing of the fire retardant shall be listed under a quality control inspection program as administrated by:
- D. 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) and a maximum of 120° F (49° C)

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: www.nyfs.com
- B. Substitutions: Not permitted

2.2 MATERIALS

- A. Fire Retardant Treatment
 1. Product: Provide treatment with “1500° Series FR Foam Barrier” Class “A” Fire Retardant/Ignition Barrier as manufactured by International Fire-Shield, Inc.
 2. Product shall be listed as having a Flame Spread of 20 when tested on 2 pound Cass II Polyurethane Foam 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
specified by the manufacturer.

3.2 PREPARATION

- A. Can be applied directly to fully cured polyurethane foam surfaces. Cut or shaved areas that expose the foam cells should be primed with a water base latex primer prior to the application of the 1500° Series FR Foam Barrier
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions

3.3 PRODUCT APPLICATION

- A. Thoroughly mix product before application. Apply product at a coverage rate of 200 square feet per gallon by brush, foam roller, airless or conventional-spray apparatus. Allow the surface to dry 2 – 4 hours before applying second coat at 200 square feet per gallon. Two coats are required to achieve the performance characteristics referenced. Apply product when air temperature is between 50° F (10° C) and 120° F (49° C).
- B. If thinning is required use only clean water at a maximum of ½ pint per gallon.

3.4 SURFACE BURNING CHARACTERISTICS

- A. The product shall provide a flame spread index of 25 or less and a smoke-developed index of 200 or less when tested in accordance with ASTM E-84 and qualify as a Class “A” finish in accordance with NFPA 703

3.5 CONFORMANCE CERTIFICATION

- A. The manufacturer shall provide written Certification of Fire resistance for the Polyurethane Foam treated for meeting the required code of the Authorities Having Jurisdiction with the following information:
 - 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 “A” Finish
 - e. Meets ICC Alternate Test Protocol for Ignition Barrier

END OF SECTION