

SECTION 072119 - FOAMED-IN-PLACE INSULATION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Spray-in-place rigid closed cell 2-pound polyurethane foam insulation in various assemblies, to provide an air barrier and improved thermal resistance

1.2 BUY AMERICAN REQUIREMENTS

A. Provide certificates to show that all products meet the following requirements.

1. Build America, Buy America Act

1.3 ACTION SUBMITTALS

A. Product Data:

1. Closed-cell spray polyurethane foam.

1.4 INFORMATIONAL SUBMITTALS

A. Product test reports.

PART 2 - PRODUCTS

2.1 CLOSED-CELL SPRAY POLYURETHANE FOAM

A. Closed-Cell Spray Polyurethane Foam: ASTM D1622, minimum density of 2-22.5 lb/cu. ft. and minimum R-value at 1-inch thickness of R-7.4.

1. Acceptable Manufacturer:
 - a. Huntsman Building Solutions, Icynene HFO 200.
 - b. Henkel Loctite Tite foam Gaps & Cracks
 - c. Sika corporation Sika Boom
2. Requests for substitutions as judged by Architect in accordance with provisions of section 013300.
3. Surface-Burning Characteristics: Comply with ASTM E84, class 1; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 - a. Flame-Spread Index: 25 or less.
 - b. Smoke-Developed Index: 400 or less.

4. Fire Propagation Characteristics: Passes NFPA 285 testing as part of an approved assembly.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Comply with insulation manufacturer's written instructions applicable to products and applications.
- B. Spray insulation to envelop entire area to be insulated and fill voids.
- C. Apply in multiple passes to not exceed maximum thicknesses recommended by manufacturer. Do not spray into rising foam.

END OF SECTION 072119