

SECTION 072100 - THERMAL INSULATION

PART 1 - GENERAL

1.1 RELATED SECTIONS

- A. 042000: Unit Masonry Assemblies
- B. 074123 – Structural Insulated Roof Panels
- C. 075400 – Thermoplastic Membrane Roofing

1.2 SECTION REQUIREMENTS

- A. Submittals: Product Data for each type of insulation product specified.
- B. Surface-Burning Characteristics: ASTM E 84, flame-spread ratings of 75 or less and smoke-developed ratings of 450 or less where insulation is concealed within construction assemblies; ASTM E 84, flame spread ratings of 25 or less and smoke-developed ratings of 25 or less where insulation is exposed.

PART 2 - PRODUCTS

2.1 INSULATION PRODUCTS

- A. Extruded-Polystyrene Board Insulation at Foundations: ASTM C 578, Type IV, 1 ½” thick, R7.5 at 75 degree mean temperature.
- B. Mineral-Fiber-Blanket Insulation, ASTM C 665:
 - 1. Sound Attenuation Walls: Type I, unfaced with fibers manufactured from glass, thickness to equal full depth of wall framing.
 - 2. Sloped Roof: Type II, Class C, kraft paper faced, or Type III, class A, foil-scrim-kraft faced with fibers manufactured from glass, 12” thick, R-38.

2.2 ACCESSORIES

- A. Kraft paper or foil tape to match insulation facing for tear repair.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install insulation in areas and in thickness indicated or required to produce R-values indicated. Cut and fit tightly around obstructions and fill voids with insulation.
- B. Extend vapor retarder to extremities of areas to be protected from vapor transmission. Secure in place with adhesives or other anchorage.

END OF SECTION 072100