

SECTION 07210

BUILDING INSULATION

PART 1 GENERAL

1.01 DIVISION OF RESPONSIBILITIES TERMINOLOGY: **NOT USED**

1.02 SUMMARY: Provide Building Insulation where shown on the drawings, as specified in this Section, and as needed for a complete and proper installation.

1.03 RELATED WORK: **NOT USED**

1.04 SUBMITTAL: No product submittal is required for the work of this Section IF provided per the construction documents. Any Request for Product Substitution must be submitted per Section 01340- Submittals.

PART 2 PRODUCTS

2.01 MATERIALS:

A. Rigid Insulation: Provide rigid insulation equal to products by Dow Chemical Company, Midland MI (800-441-4369)

1. Perimeter Slab Insulation: **NOT USED**

2. Masonry Interior Wall Insulation: Provide 1-1/2" thick (R-7.5) rigid insulation board equal to "Dow Styrofoam Z-Mate Board" (*limited applications & conditions*)

B. Fiberglass Batt Insulation: Provide Fiberglass Batt Insulation equal to products by CertainTeed Corp., Valley Forge PA (800-523-7844); Owens Corning, Toledo OH (800-438-7465); Johns Manville, Denver CO (800-644-4013); or Knauf Fiber Glass, Shelbyville IN (800-825-4434).

C. Exterior Wall Thermal Insulation: Provide either 3-1/2" thick foil faced glass fiber batts with an insulation-only value of R-11 in wall cavities less than 3-5/8"; or provide 6" thick foil faced glass fiber batts with an insulation-only value of R-19 at exterior wall construction where wall cavities are at least 6". Insulation shall be equal to CertainTeed CertaPro Foil Faced Batt (with integral vapor retarder, for use in concealed applications only) rated with surface burning characteristics per ASTM E84, including Maximum Flame Spread Index 75; and Maximum Smoke Developed Index 450.

D. Interior Partition Thermal Insulation: Provide 3-1/2" thick foil faced glass fiber batts with an insulation-only value of R-11, where shown or scheduled on the Drawings. Insulation shall be equal to CertainTeed CertaPro Thermal FSK-25 Faced Batt (with integral vapor retarder, for use in exposed applications) rated with surface burning characteristics per ASTM E84, including Maximum Flame Spread Index 75; and Maximum Smoke Developed Index 450.

E. Interior Sound Attenuation (concealed): Provide 3-1/2" unfaced glass fiber batts for interior sound attenuation purposes at walls, at suspended ceilings and other locations where shown or scheduled on the Drawings. Insulation shall be equal to CertainTeed CertaPro AcoustaTherm Batt, rated with surface burning characteristics per ASTM E84, including Maximum Flame Spread Index 25; and Maximum Smoke Developed Index 50.

F. Interior Sound Attenuation (exposed): Provide 3-1/2" PSK-faced (White) glass fiber batts for interior sound attenuation purposes at exposed structure and other locations where shown or scheduled on the Drawings. Insulation shall be equal to Owens-Corning Flame Spread 25-

PSK Fiberglass, with color White polypropylene-scrim-kraft facing, rated with surface burning characteristics per ASTM C665, Type III, Class A; Maximum Flame Spread Index 25; and Maximum Smoke Developed Index 50.

- G. White Vinyl Foil Liner: Provide sheet liner over existing roof/ ceiling insulation that will be exposed in the new construction, with color White, polypropylene-scrim-kraft (PSK) facing equal to Advanced Foil Systems products by Lamtec Corporation, Flanders NJ (973-584-5500). Rated with surface burning characteristics per ASTM E84, including Maximum Flame Spread Index 25 (film exposed); and Maximum Smoke Developed Index 40 (film exposed).

PART 3 EXECUTION

- 3.01 SURFACE CONDITIONS: The Contractor shall examine the areas and conditions under which work of this Section will be provided, shall correct conditions detrimental to the timely and proper completion of the work, and shall NOT proceed until unsatisfactory conditions are corrected.
- 3.02 INSTALLATION: Install all work of this section in strict accordance with the construction details, requirements of governmental agencies having jurisdiction, and the manufacturer's recommended installation procedures.

END OF SECTION