

SECTION 07200

INSULATION

PART 1 - GENERAL

1.01 WORK INCLUDED

A. Types of insulation included under this Work shall include, but not be limited to:

1. Unfaced Mineral Fiber Blanket/Batt Insulation.
2. Safeing Insulation.
3. Sound Attenuation Blankets.
4. Rigid Insulation Board.

1.02 RELATED WORK

- A. CONCRETE UNIT MASONRY: Section 04810.
- B. COLD FORMED METAL FRAMING: Section 05400.
- C. GYPSUM WALLBOARD: Section 09250.

1.03 SUBMITTALS

- A. Product Data: For each type of product specified.
- B. Samples for Verification: Representative samples for each type of insulation.

1.04 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials to the Project site in original unopened packages, clearly marked with product brand name and manufacturer's labels. Store under cover and protect from weather and construction activities.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Unfaced Mineral-Fiber Blanket Insulation: ASTM C 665, Type I (blankets without membrane facing); consisting of fibers manufactured from glass; with maximum flame-spread and smoke-developed indices of 25 and 50, respectively; passing ASTM E 136 for combustion characteristics.
 1. Products: Provide insulation products by one of the following manufacturers:
 - a. CertainTeed Corporation.
 - b. Johns Manville Corporation.
 - c. Owens Corning.
- B. Safeing Insulation: UL Rated semi-rigid boards designed for use as a fire stop at top of rated walls and openings, for ratings indicated, ASTM C 612, Class 1 and 2, nominal density of 4.0 lbs. per cu.

ft., passing ASTM E 136 for combustion characteristics.

1. Products: Provide "Thermafiber" safeing insulation with "Thermafiber Smoke Seal" compound for firestopping and smokestopping as manufactured by United States Gypsum Company.
- C. Sound Attenuation Blankets: ASTM C 665, Type I, Class 25 flame spread, thickness as indicated or as required by STC Assembly Rating.
1. Products for Non-Rated Applications: Provide one of the following insulation products:
 - a. "CertaSound Sound Attenuation Batts"; CertainTeed Corp.
 - b. "Sound Attenuation Batt Insulation"; Owens Corning.
 - c. "Sound-Shield"; Johns Manville Corporation.
- D. Rigid Insulation Board: glass fibers bonded together with a thermoset binder.
1. Un-faced where located between GWB and Masonry Wall
 2. With a foil-scrim Kraft where located above the terminus of GWB
 3. Total assembly minimum R value of 11.
1. Products for Non-Rated Applications: Provide one of the following manufacturers:
 - a. Dow Chemical.
 - b. Tenneco Building Products.
 - c. CERTAPRO™ Commercial Board, CertainTeed Corp.
- E. Foil Faced Mineral-Fiber Blanket Insulation: Type: FS 25 Foil Faced Insulation Blanket. R-Value: 3.8 per inch. Density - Greater than 1 inch: 3.0 pcf (nominal).
1. Products: Provide insulation products by one of the following manufacturers:
 - a. Thermafiber, Inc.,
 - b. CertainTeed Corporation.
 - c. Johns Manville Corporation.
 - d. Owens Corning.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Install building insulation in strict compliance with manufacturer's written instructions.

END OF SECTION 07200