

SECTION 07 21 00 - THERMAL INSULATION

PART 1 - GENERAL

1.1 SYSTEM REQUIREMENTS

- A. Design Requirements:
 - 1. R-value of roofs, walls, and floors shall be not less than the prescriptive requirements of ASHRAE 90.1, latest edition. Lower R-values are not permitted even if International Energy Code Compliance can be demonstrated using the energy model approach.
 - 2. Wherever possible continuous insulation is encouraged.
 - 3. Provide WUFI moisture analysis of all exterior wall and roof assemblies to determine and justify the appropriate placement of a vapor retarder within the assembly.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Insulation:
 - 1. Extruded-Polystyrene Board: Type IV, 25 psi.
 - 2. Foil-Faced, Mineral-Wool Board: 4 lb/cu. ft.
 - 3. Unfaced Glass-Fiber Blanket: Type I.
 - 4. Closed-Cell Spray Polyurethane Foam: Type II, minimum density of 1.5 lb/cu. ft.
- B. Vapor Retarders: Reinforced polyethylene.

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 07 21 00