

# Thermco™ Guide Specification – AIA Format, Short Form

## SECTION 07214 - FOAMED-IN-PLACE MASONRY WALL INSULATION

### PART 1 - GENERAL

#### DESCRIPTION OF WORK:

- A. Foamed-In-Place masonry insulation for thermal, sound and fire resistance values.

#### QUALITY ASSURANCE

- A. Manufacturing Standards: Provide insulation produced by a single and approved manufacturer. The product must come from the manufacturer pre-mixed to ensure consistency.
- B. Installer Qualifications for Foamed-In-Place Masonry Insulation: Engage an experienced dealer/applier who has been trained and licensed by the product manufacturer.

### PART 2 - PRODUCTS

#### ACCEPTABLE MANUFACTURERS

- A. **Thermco™** Thermal Corporation of America  
1405 West Washington  
Mt. Pleasant, IA 52641  
(319) 385-1535

No substitutions allowed.

#### MINIMUM PRODUCT PERFORMANCE STANDARDS

- A. Fire-Resistance Ratings: Minimum four (4) hour fire resistance wall rating (ASTM E-119) for concrete masonry units when used in standard two (2) hour rated CMUs.
- B. Surface Burning Characteristics: Maximum flame spread, smoke developed and fuel contributed of 5, 50-100, and 0 respectively.
- C. Combustion Characteristics: Must be noncombustible, Class A building material
- D. Thermal Values: "R" Value of 4.7/ inch @ 35 degrees F mean; ASTM C-177.
- E. Sound Abatement: Minimum Sound Transmission Class ("STC") rating of 54 for 12" CMU and 52 for 8" CMU, and a minimum Outdoor Indoor Transmission Class ("OITC") rating of 44 for 8" wall assembly (ASTM E 90-90).

### PART 3 - EXECUTION

#### INSTALLATION GUIDELINES

Fill all open cells and voids in hollow concrete masonry walls where shown on drawings. The foam insulation shall be pressure injected through a series of 5/8" to 7/8" holes drilled into every vertical column of block cells (every 8" on center) beginning at an approximate height of four (4) feet from finished floor level. Repeat this procedure at an approximate height of ten (10) feet above the first horizontal row of holes (or as needed) until the void is completely filled. Patch holes with mortar and score to resemble existing surface. Insulation is not to be injected into wet walls.