



SECTION 07214 - FOAMED-IN-PLACE MASONRY WALL INSULATION

PART 1 - GENERAL

DESCRIPTION OF WORK:

- A. Applications of insulation specified in this section include the following:
Foamed-In-Place masonry insulation for increased thermal and sound values.

QUALITY ASSURANCE:

- A. Insulation shall be installed as per manufacture's recommendation and must come from the manufacturer in dry-mix recyclable containers to ensure fresh product and enviromental responsible handling. One year product and installation warranty will be issued by both the manufacturer and installer.
- B. Engage an experienced dealer/applicator who has been trained and licensed by the product manufacturer and which has not less than three years direct experience in the installation of the product used.

PART 2 - PRODUCTS

ACCEPTABLE MANUFACTURERS

- A. **"R501"** as manufactured by
Polymaster
10523 Lexington Dr.
Knoxville, TN 37932
(800) 580-3626 **No substitutions allowed.**

MINIMUM PRODUCT PERFORMANCE STANDARDS

- (1) Thermal Performance: (ASTM C1363) 8" CMU at 105pcf meets R-value of 11.05
- (2) Surface Burning Characteristics: (ASTM E84) Maximum flame spread, smoke developed at 4 inch thickness meets Class 1 or Class A classification.
- (3) Fire-Resistance Ratings: (ASTM E119) Minimum two (2) hour fire resistance wall rating for 8" and 12" concrete masonry units when used in standard two (2) hour rated CMUs.
- (4) Thermal Values: "R" Value of 4.63/inch @ **25 degrees** F mean; **ASTM C-518.**
- (5) Sound Abatement: (ASTM E413, ASTM E90) "STC" rating of 52 and a minimum rating of 44 for **3.5"** cavity wall assembly

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 1" 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 twelve (12) feet above the first horizontal row of holes (or as needed) until the void is completely filled. Patch holes with mortar to resemble existing surface.