



Core Foam Masonry Foam Insulation® – Specification Guide – CSI Short Form

SECTION 07 2119 – FOAMED-IN-PLACE MASONRY WALL INSULATION

PART 1 – GENERAL

DESCRIPTION OF WORK

- A. Foamed-In-Place masonry insulation for thermal, sound attenuation performance.

QUALITY ASSURANCE

- A. Manufacturing Standards; Provide insulation from a single approved source. Product components shall be of the same brand from the same approved source arriving at the site either pre-mixed according to the manufacturers printed instructions or in unopened factory sealed containers.
- B. Installer Qualifications for Foamed-In-Place Masonry Insulation: Engage an authorized contract installer who has been trained and authorized by the product manufacturer.
- C. Upon request, the installer shall provide 4-color infrared images of the work to the Architect to confirm that all voids are filled with foam insulation. If voids remain, they shall be filled at no added cost to the owner.

PART 2 – PRODUCTS

ACCEPTABLE MANUFACTURERS

- A. Core Foam Masonry Foam Insulation® by CfiFOAM, Inc., P.O. Box 10393, Knoxville, TN 37939. Phone: (865) 588-4465.
- B. Two-component, aminoplast foam insulation approved as equal by the Architect.

MINIMUM PRODUCT PERFORMANCE STANDARDS

- A. Fire-Resistance Ratings: Foam shall neither add to nor detract from the fire-resistance ratings of CMU walls as specified by the Architect in conformance with prevailing codes.
- B. Surface Burning Characteristics: Class A per ASTM E84; Flame Spread Index ≤ 25 ; and Smoke Developed Index ≤ 450 .
- C. Thermal Resistance: R-4.4/inch @ 75°F mean temperature when tested per either ASTM C177 or ASTM C518.
- D. Potential Heat: ≤ 8000 Btu/lb when tested per NFPA 259.
- E. Sound Attenuation: STC ≥ 53 db in 8" CMU walls.

PART 3 – EXECUTION

INSTALLATION GUIDELINES

Fill all open cells and voids in hollow concrete masonry walls where shown on the drawings. The foam insulation shall be pressure injected through a series of 5/8" to 7/8" diameter holes drilled to access each column of block cells e.g. 8" o/c beginning approximately four (4) feet above the finished floor. Repeat this procedure at approximate twelve (12) foot intervals above the first horizontal row of holes (or as needed) until the voids are completely filled. If "Hi-Flow" nozzles by CfiFOAM, Inc. are used, foam may be injected at up to twenty (20) foot vertical intervals. Patch holes with mortar and score to resemble adjacent surfaces. Insulation is not to be injected into wet walls. Foam should not be exposed to surfaces over 190°F for an extended period of time.

END OF SECTION 07 2119