



## Test Data

**Thermal Resistance** – ASTM C-518-10 (FTC Rule 460 mandates disclosure @ 75°F mean temperature)

- R-4.6/inch ± 5% @ 75°F mean temperature (per FTC Rule 460)
- R-5.0/inch ± 5% @ 25°F mean temperature

**Surface Burning Characteristics** – ASTM E-84-10

- Class A: IBC Section 2603 requires only Class B for foam plastic insulation encased in concrete
- Flame Spread : ≤25 (Class B requires ≤75)
- Smoke Developed: ≤450 or less (Class B requires ≤450)

**Fire-Resistance Ratings** – cfiFOAM Masonry Foam Insulation, like all aminoplast masonry foam products, neither adds to nor detracts from the fire-resistance ratings of CMU walls. Sustained contact with surfaces above their 190° F service temperatures result in shrinkage, charring and loss of functionality.

**Dimensional Stability** – Internal Ongoing Evaluations

- Enclosed Cavities: ≤0.5%
- Opened Cavities: ≤1.0%

**Potential Heat** – NFPA 259

- 6494 Btu/lb.

**Accelerated Aging** – ASTM C-1029 (D2126)

- 70°C – 97% Relative Humidity – Passed
- -40°C – Ambient Relative Humidity – Passed

**VOC Odor**

- Zero – None Detected

**Foam Density** – ASTM D-1622

- 0.7-1.8 lbs./ft<sup>3</sup> – Typically 0.8 lbs./ft<sup>3</sup>

**Resorcinol Content**

- None

**Compressive Strength** – ASTM D-1621 @ 0.95" thick

- 4.50 lbs./in<sup>2</sup> = 650 lbs./ft<sup>2</sup>

**Water Vapor Transmission**

- 10.60 Perms per ASTM E-96-05
- 16.36 Average Perm
- 17.32 Average Perm per Inch

**Formaldehyde Emissions** – ASTM D-5116

- ≤16 ppb @ 28-days

**Open Cell Content**

- 40% by Volume

**Resistance to Mold Growth** – May contain EPA listed antifungal additives including MOLD-CARE™

- Passed per ASTM C-1338-08

**Shelf Life**

- Blended Foam Components – 14 days for optimum results
- Unblended Foam Components – Up to 1 year when stored in unopened packaging

