



### **Surface Burning Characteristics**

*Class A (Class I) Rating  
Flame Spread Index – 25 or less  
Smoke Developed Index – Less than 450*

### **Thermal Resistance**

*R-Value per Inch – 4.6 / inch @ 25°F mean temperature*

### **Foam Density**

*0.72 lb/ft<sup>3</sup>*

### **Formaldehyde Content of Cured Foam**

*2700 ppm total formaldehyde  
Zero detectable emissions  
(Below 0.81 ppm over a 24-hour period)*

### **Fire Resistance Rating**

*As with all foam-in-place insulation products, Core Foam Masonry Foam Insulation neither adds to nor detracts from the fire rating of a CMU wall.*

### **Dimensional Stability (Shrinkage)**

*0.48 Percent – 12x8x16 CMU Enclosed Wall Cavity*

### **Product Yield**

*1500-1600 8-inch CMU  
925-1075 12-inch CMU*

### **Resorcinol Content**

*None Detected*

### **Sound Transmission Ratings**

*8-Inch CMU with No Insulation  
NCMA – 49-52 dB  
OCBA – 46-50 dB*

*8-Inch CMU with Core Foam Masonry Foam Insulation  
NCMA – 53-56 dB  
OCBA – 50-54 dB*

### **Compressive Strength**

*Load @ 10 percent – 5.21 pounds  
Sample size – 3x3x1 inches  
Stress @ 10 percent - .579 lb<sub>f</sub>/in<sup>2</sup>*

### **Open Cell Content**

*40 percent by volume*

### **Shelf-Life of Blended Foam**

*60 Days*

### **Water Vapor Transmission Test**

*Average Permeance: 12 perms  
Average Permeability: 13 perm-in*