

# Core Foam Masonry Foam Insulation<sup>®</sup> Factory Mix

P.O. Box 10393 ♦ Knoxville, TN 37939  
800.656.3626 ♦ Fax: 865-588-6607 ♦ www.cfifoam.com

- ♦ Foam Insulation for Enclosed Cavity Applications
- ♦ Suitable for New Construction & Retrofit
- ♦ Pre-Expanded
- ♦ Safe, Inert & Environmentally Green
- ♦ Excellent Thermal & Acoustic Insulative Properties
- ♦ Seals Against Air Infiltration

## Acoustical Properties

	Hollow	With Insulation
For 8-Inch CMU Walls: <sup>1,2</sup>	49-50	53-56
For 12-Inch CMU Walls: <sup>1,2</sup>	52-53	56-59

## Thermal Resistance Concrete Masonry Unit (CMU) Walls<sup>3</sup>

8-Inch Block	CMU Density (pcf)	60	80	100	120
	R-Value <b>With Insulation</b>	<b>14.2</b>	<b>11.3</b>	<b>8.8</b>	<b>6.6</b>
12-Inch Block	CMU Density (pcf)	60	80	100	120
	R-Value <b>With Insulation</b>	<b>20.0</b>	<b>16.1</b>	<b>12.3</b>	<b>9.1</b>

## Typical Physical Properties

Density (lb/ft <sup>3</sup> ) <sup>4</sup>	0.6 - 0.8
Thermal Conductivity per inch (K-value) <sup>5</sup>	0.22
Thermal Resistance per inch (R-value) <sup>5</sup>	4.9 @ 25°F
ASTM E84-01 Results: <sup>4</sup>	
Flame Spread Index <sup>6</sup>	25 or less
Smoke Density	Less than 450
Sample Thickness	3 1/2"
	Max thickness for test apparatus
Flammability Classification	Class A or Class 1
Shrinkage (Concrete Masonry Unit) <sup>4</sup>	Less than 0.5%
Shrinkage (Open Stud Wall Cavity) <sup>4</sup>	2%
Corrosivity <sup>5</sup>	Non-Corrosive to mineral-based construction materials
Asbestos Content	None
Formaldehyde Off-Gassing <sup>4</sup>	Below detectable levels over 24-hour period at 75°F

<sup>1</sup>Ontario Concrete Block Association, "Sound Transmission Ratings."

<sup>2</sup>NCMA Tek 13-1A, "STC Ratings for Concrete Masonry Walls."

<sup>3</sup>NCMA-TEK101 "U" - Values for Reinforced Concrete Masonry Walls."

<sup>4</sup>Based on independent testing of CoreFoam Masonry Foam Insulation.

<sup>5</sup>Polymeric Foams; 1991 Edition. Edited by Klempner & Frisch.

<sup>6</sup>This numerical flame spread rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.





## **Core Foam Masonry Foam Insulation Factory Mix**

- ◆ No Mixing Required
- ◆ Excellent Product Consistency
- ◆ Delivered to Your Location Pre-Mixed on a Ready-to-Use Basis
- ◆ Professionally Blended By The Technical Staff at cfiFOAM, Inc.
- ◆ Mixed with a Consistent Water Source
- ◆ Reduced Foam Variability as Compared to Products Mixed on Construction Sites
- ◆ Available in Bulk Truckloads, Totes or Drumsets
- ◆ Excellent Product Yield
  - ◆ 1500, 8" CMU per Drumset
  - ◆ 1000, 12" CMU per Drumset

**cfiFOAM, Inc.**

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