

# Product Information

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cfiFOAM PRODUCTS FOR  
RESIDENTIAL FOUNDATIONS & BASEMENT WALLS



**Core Foam Masonry Foam Insulation** and **InsulSmart Interior Foam Insulation** help meet new code requirements for conditioned crawl spaces. The Core Foam Masonry Foam Insulation product is only used in new construction while the InsulSmart Interior Foam Insulation product is used in existing structures.

## R-Values for Concrete Block Walls<sup>1</sup>

<b>8-Inch Block with Brick Veneer</b>	<b>10-11</b>
<b>12-Inch Block</b>	<b>11-13</b>

## Typical Physical Properties

Thermal Conductivity per inch (K-value) <sup>2</sup>	0.23
Thermal Resistance per inch (R-value) <sup>2</sup>	4.6± @ 75°F
	5.0± @ 25°F
ASTM E84-01 Results: <sup>2</sup>	
Flame Spread Index <sup>3</sup>	25 or less
Smoke Density	Less than 450
Sample Thickness	4" Nominal (3-1/2" Actual)
	Max thickness for test apparatus
Flammability Classification	Class A or Class 1

*R-values vary with block density and reinforcing.  
These whole-wall R-values are intended as guidelines and do not serve as guarantees.  
For walls with vertical reinforcing, please consult the manufacturer.*

<sup>1</sup>Ranges for ASTM C90-09 and C90-12 Dimensions for 80-100 pcf CMU. Concrete R-Values are Moisture-Corrected per ACI 122R.

<sup>2</sup>Based on independent testing of Core Foam Masonry Foam Insulation.

<sup>3</sup>This numerical flame spread rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.



# FOUNDATION WALL APPLICATION

## Benefits

- ♦ *Eliminates The Need For Insulation Underneath Flooring*
- ♦ *Seals Unwanted Gaps And Holes*
- ♦ *Reduces Air Infiltration*
- ♦ *Provides High R-Values*
- ♦ *Safe, Non-Toxic And Odor Free*
- ♦ *Provides A Physical Barrier To Insects And Rodents*
- ♦ *Class I Flammability Rating*



Conditioned Crawlspace



Basement Wall

## Installation

- ♦ *Can Be Installed Two Ways:*
  - ♦ *Injected Into Top of Block; No Drilling Necessary*
  - ♦ *Side-Fill Injection Through 5/8" - 7/8" Holes*
- ♦ *Can Be Completed As Soon As Block Is Layed*
- ♦ *Does Not interfere With Other Construction Schedules*
- ♦ *Does Not Damage Walls*
- ♦ *Clean, Quick Application*
- ♦ *Easy Clean Up*



Top-Fill Application



Side-Fill Application

