



Protection is a concrete idea.

ENERGY CODE CAUTION

As part of Federal Mandated Energy Codes for both new residential and commercial building construction, specific thermal resistance values for exterior walls must be considered. When designers specify exterior masonry walls to these new Energy Codes, they assume the entire wall will be constructed to the specific thermal R-value they have designed to. CBIS insulation inserts have been extensively tested to verify it is unnecessary to remove the inserts from block cores that are grouted and reinforced, thus allowing the entire wall to be insulated. When foams or poured fills are used in the block cores as an alternate to insulation inserts, this is not the case.

Using foams or fills on grouted and reinforced masonry walls eliminates a major portion of the insulation in the wall, causing a major reduction in thermal efficiency.

Here are some examples:

<u>Block Cores Grouted and Reinforced Both Vertically and Horizontally</u>	<u>Percent of Masonry Walls Uninsulated if Foams or Poured Fills are Used</u> *
16 inches on center	75 %
32 inches on center	44 %
48 inches on center	31 %

* National Concrete Masonry Association (NCMA) TEK-6-2A

This R-value reduction may violate Code compliance.

“If it’s worth building – it’s worth meeting Energy Code Compliance”

D.L. Nickerson, P.E.

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Concrete Block Insulating Systems

P.O. Box 1000
Freight House Road
West Brookfield, MA 01585-1000

508.867.4241
800.628.8476
Fax: 508.867.5702

www.cbisinc.com
E-mail: CBISINC@AOL.COM
Member of NCMA, SPI and EPSMA

