

**Technical
Bulletin**
April, 2008

InsulStar® High Performance Insulation

InsulStar® ICC Evaluation Services Report Complies with 2006 Codes

The ESR-1615 Report from ICC Evaluation Service, Inc., acknowledges that InsulStar High Performance Closed-Cell Polyurethane Foam Insulation is in compliance with the 2006 IBC, IRC AND IECC. This includes being the only closed-cell spray foam evaluated for use in unvented attics per the 2006 IRC. InsulStar has the highest performance over the widest range of applications by providing insulation, moisture vapor control, air barrier, and water barrier in a single product.

INSULSTAR MEETS THE FOLLOWING 2006 IRC REQUIREMENTS



- > Allows unvented attic application
- > Normally requires no additional vapor retarder
- > 8 inches maximum thickness in wall assembly
- > 12 inches maximum thickness in ceiling
- > Lists R-values to the maximum installed thickness
- > Job-site certification provided for installer
- > Allows exposed SPF on floors of vented attics
- > Permits ignition barrier coating

HIGHER R-VALUE REDUCES REQUIRED INSULATION THICKNESS



The high R-value per inch thickness allows the builder to install the necessary insulation in a thinner wall or roof cavity without sacrificing energy savings, thereby maximizing the space inside the thermal envelope. Using smaller studs and rafters requires less lumber and fewer trees. InsulStar complies with the IECC for applications of reduced R-values in attics/ceilings.

INSULSTAR® HAS HIGHEST R-VALUE

InsulStar is a spray-applied cellular polyurethane foam plastic insulation that is installed in cavities of roofs, ceilings, floors, crawl spaces and stud wall assemblies. The foam plastic is a two-component, closed-cell, one-to-one by volume spray foam system with a nominal density of 2 pcf. InsulStar insulation may be used for application to wood, metal, concrete and masonry and gypsum board surfaces.

NCFI GOLD STARSM CERTIFIED CONTRACTORS ASSURE PROPER INSTALLATION OF INSULSTAR®



InsulStar® POLYURETHANE FOAM TYPICAL PHYSICAL PROPERTIES

R-Value @ 3.5"	22
Compressive strength	27 psi
Moisture vapor perm @ 2"	0.7
Air permeability @ 1"	0.000
Odor emission	Pass
Water penetration @ 56 ft	0.0
FEMA flood resistance	Class 4

Florida Product Approval for roof deck wind uplift resistance.

For more information on InsulStar, please contact your NCFI representative or call us toll free at 866-678-5283 or visit us at InsulStar.com.



A whole new comfort level, for you and for the world.

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