



ENVIRONMENTAL SPRAY-IN-PLACE INSULATION



Stops moisture and
air infiltration for all-season

**COMFORT &
ENERGY SAVINGS**



When Just Insulation Isn't Enough®

Why Specify InsulStar® Spray-In-Place Polyurethane Insulation?

InsulStar is the most energy-efficient, environmentally friendly, closed-cell spray-in-place polyurethane insulation system available. It is formulated from renewable agricultural resources and is odorless and completely non-toxic after installation. It stops air flow into and out of your home, reduces noise, and blocks dust, pollen and other airborne pollutants for a more comfortable environment.

InsulStar is a two-part liquid that is sprayed in place by specially trained Gold StarSM contractors. This liquid quickly expands, filling all gaps and voids, conforming to any shape space and cures to form a fully adhered, solid, monolithic insulation envelope.

InsulStar's high R-value allows designers to reduce the depth of exterior walls and still obtain high energy efficiency. This means more living space in your home. By simply changing the exterior walls from 2" x 6" studs to 2" x 4" studs, a 2,500-ft.² house gains almost 6 square feet of living space – reducing the wood required and saving two trees.

InsulStar forms an air barrier that seals the walls to prevent air penetration and block outside noise pollution,

giving you a quieter home. The closed-cell structure of InsulStar blocks air movement and has a low permeance, which controls moisture vapor movement, eliminating the need for an additional vapor barrier. When moisture vapor is controlled, condensation will not occur, thus eliminating the water to support mold growth. Additionally, InsulStar is blended with an anti-microbial to inhibit mold, mildew and bacterial growth.

Conserving Tomorrow's Energy Today!

By designing and building a highly energy-efficient home, the reduction in energy demands for heating and cooling will lower demand on utility companies for the life of house.



With InsulStar you can insulate directly to the roof deck, bringing all of the space under the roof into use. By putting HVAC ductwork in conditioned space, energy waste from leakage is eliminated. The additional conditioned space can then be utilized for computer rooms, bonus rooms, playrooms, or closet space. Previously wasted attic areas become valuable living space for very little cost, while adding tremendous retail market value to the house.

WHY INSULSTAR® IS FAR SUPERIOR TO OTHER INSULATION PRODUCTS

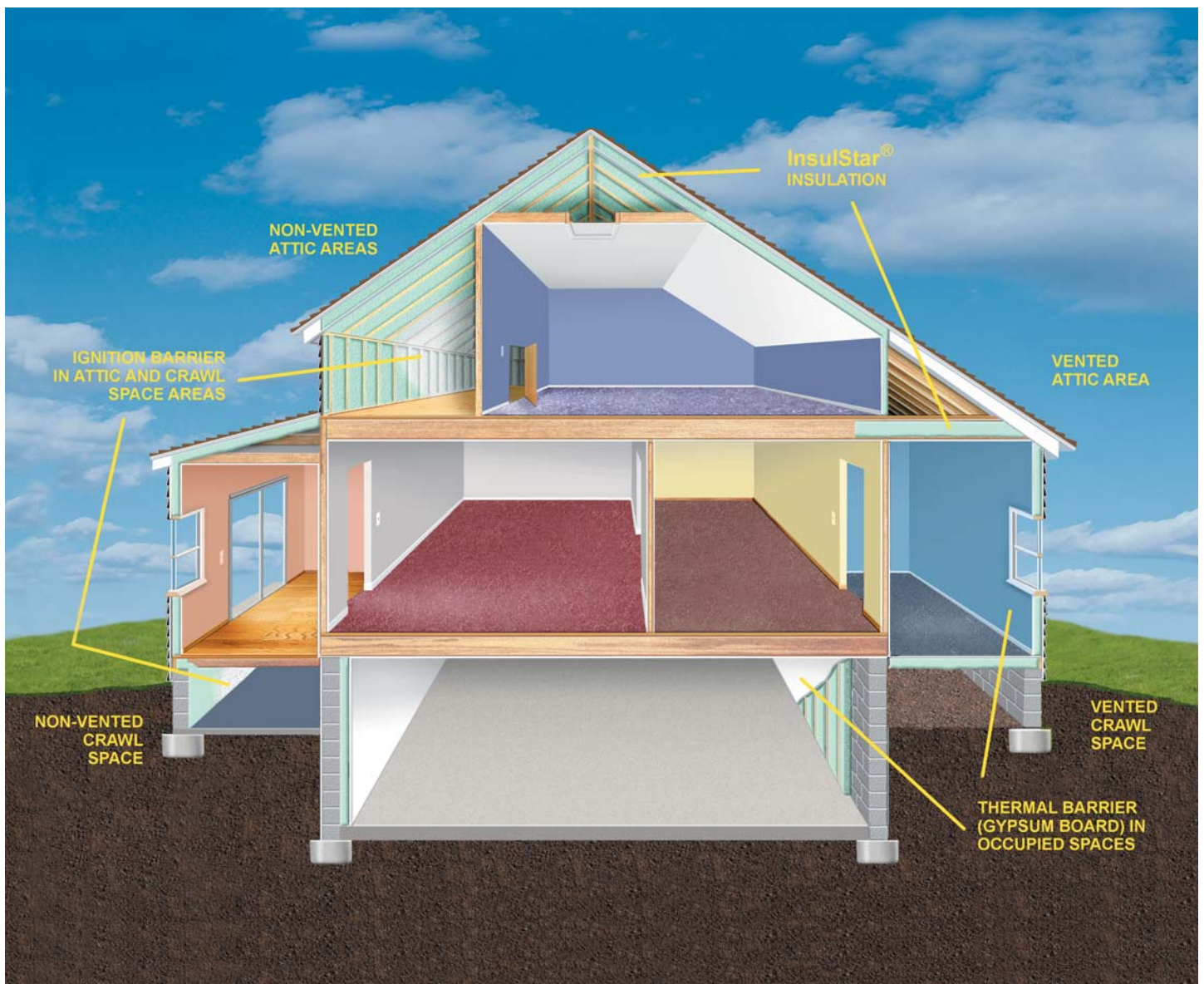
- FACT** InsulStar high density, closed-cell insulation completely seals and conforms to any size or shape space.
- FACT** InsulStar insulation never settles, shrinks, compresses or sags, maintaining its insulation efficiency for the life of the home.
- FACT** InsulStar is formulated with renewable agricultural resources and uses a state-of-the-art, environmentally friendly blowing agent with zero ODP.
- FACT** InsulStar is specially formulated to inhibit mold, mildew and bacterial growth.*
- FACT** InsulStar strengthens walls and blocks outside noise pollution from passing through to your home.
- FACT** InsulStar reduces the energy consumption, saving both your money and the environment. InsulStar will pay for itself with these savings.
- FACT** InsulStar makes your house a more comfortable home for your family.

* InsulStar insulation systems are formulated with an anti-microbial ingredient to inhibit the growth of molds that may affect this product. The anti-microbial properties do not protect occupants of spaces insulated with InsulStar insulation from potential deleterious effects of molds, mold spores, or disease organisms that may be present in the environment.

Use InsulStar® Insulation to Create An Environmental Envelope

InsulStar insulation provides an effective barrier to the transfer of heat, moisture and air. By installing InsulStar on the exterior surfaces and between conditioned and unconditioned spaces, an environmental envelope can be created that will maximize your home's energy performance, as illustrated in the diagram below.

- InsulStar can be applied to the underside of roof decks to form conditioned or cathedralized attic areas.
- Normally unusable attic areas can be "harvested" by converting it into usable living space.
- Crawl space insulation may be installed in a non-vented configuration for greater energy savings.
- Code-supported and warranted for the life of the house.
- Installed by trained and highly experienced Gold StarSM contractors.



Building codes require various insulation systems to be covered by an ignition barrier in attics and crawl spaces and by a thermal barrier (such as gypsum board) in occupied spaces. Your Gold StarSM contractors can advise you on proper installation.

Heat, Air & Moisture Control

Walls • Ceilings • Attics • Floors • Basements • Foundations



PROFESSIONAL INSTALLERS

Gold StarSM certified contractors are experienced and highly trained professionals that can advise you on insulation methods to maximize the energy efficiency of your home. They offer a life time warranty* for your InsulStar insulation. For the names of Gold StarSM certified insulation contractors and more information, call us or visit our Website.

SEALS AND STRENGTHENS WALLS

TYPICAL PHYSICAL PROPERTIES

Description:	Closed-cell spray polyurethane foam insulation
Closed-cell content:	Greater than 90%
Density:	2.0 lb./cu.ft. nominal
Compressive strength:	32 psi nominal
Tensile strength:	45 psi nominal
R-value:	R-14 at 2 inches nominal
Anti-bacterial:	Yes
Fire rating:	Class 1
Flame spread:	<25 (ASTM E84)
Smoke development:	<450 (ASTM E84)
Code compliant:	Yes**

Numerical flame spread and smoke development ratings are not intended to reflect hazards presented by this, or any other material, under actual fire conditions.

*Warranty available through Gold StarSM certified insulation contractors upon request and approval of specifications.

**InsulStar[®] complies with the provisions of the International Building Code (IBC), International Residential Code (IRC), and Uniform Building Code (UBC).



Toll Free: 1-866-678-5283 (866-NSULATE)

Website: www.InsulStar.com

A Product of



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