



FOAM-LOK
SPRAY FOAM INSULATION

Lock In Energy Savings For Life



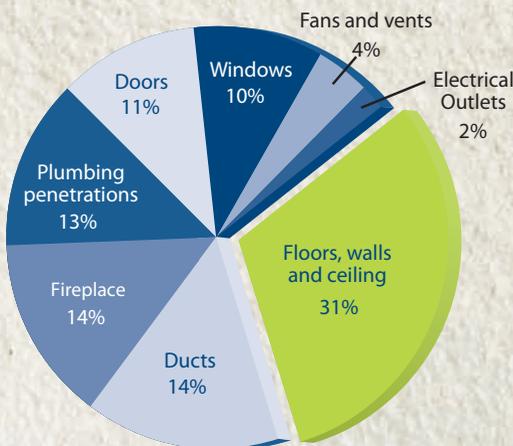


Maximize Your Investment

Air moves in and out of a home through every hole, crack, and crevice. The Department of Energy reports that heating and cooling (space conditioning) accounts for approximately 56% of the energy used in the typical American home. Roughly one third of air infiltrates through walls, ceiling, and floors.

Adding an advanced insulation system is necessary to achieve optimal building performance. FOAM-LOK™ spray polyurethane foam is that advanced insulation system. Spray foam insulation can maximize a home buyer's investment by sealing the building envelope to stop conditioned indoor air from escaping and prevent unconditioned air from entering a home. Air exchange in and out of a home is a leading cause of escalated energy bills. The mechanical systems that heat and cool buildings are continuously operating; reducing extreme temperature variations saves on the overuse of mechanical systems and leads to lower energy bills.

Areas of Air Movement



Source: Department of Energy:
www.eere.energy.gov/consumer/tips/air_leaks.html



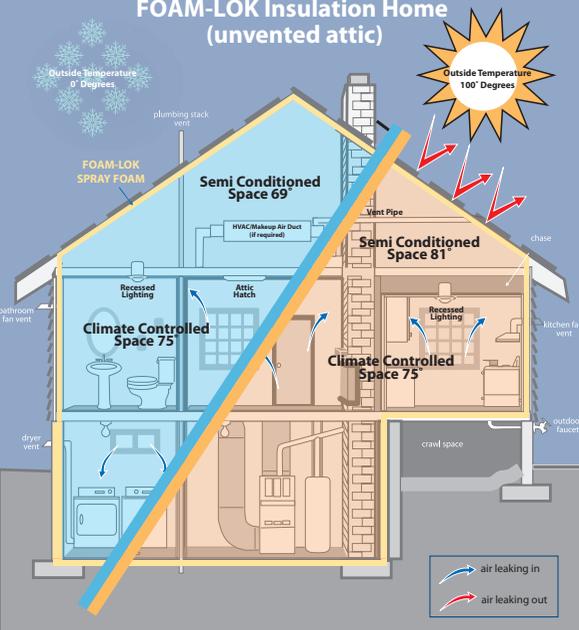
Compare Insulation Materials — The Differences Contribute to the Bottom Line



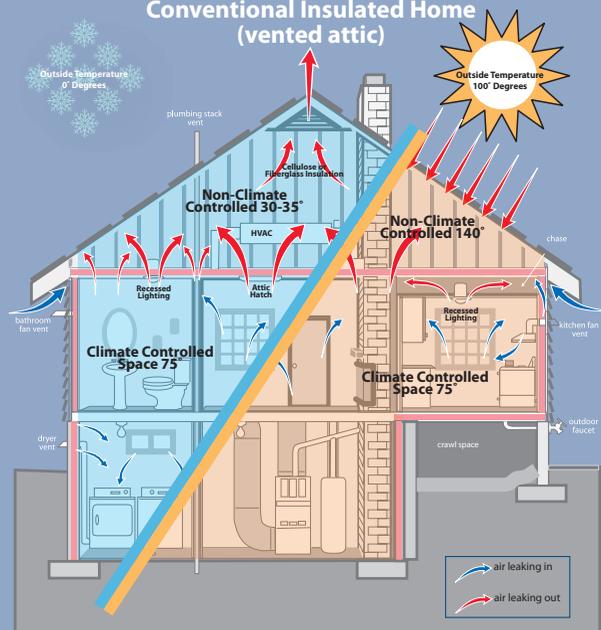
There are important differences to note between spray foam insulation systems and traditional insulation materials. The primary feature is that spray foam does not sag, settle, or shrink over time. Spray foam insulation is spray applied to fill cavities of any shape providing a continuous air barrier and it stays in place.

Because traditional insulation does not directly adhere to the substrate, the chance of the insulation material sagging overtime is high. If traditional insulation is not properly installed around irregular framing areas or it shrinks in the wall cavity, voids of 1-2% can lower the effective R-value of traditional insulation materials by 25-40%.

**FOAM-LOK Insulation Home
(unvented attic)**



**Conventional Insulated Home
(vented attic)**

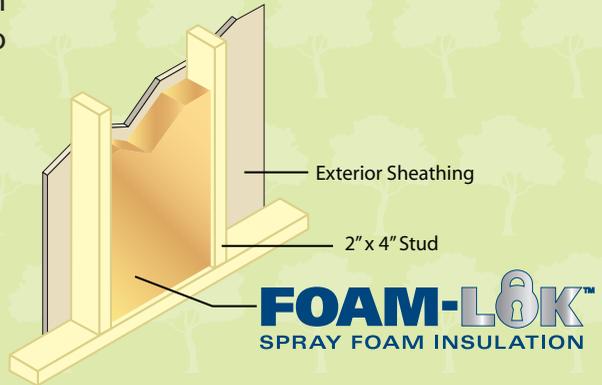


Maintain Moisture Management

In addition to energy consumption, air infiltration and exfiltration, within a home, contributes to almost 99% of moisture migration.

Critical Requirements for Mold Growth

- Available mold spores
- Available food for mold spores
- Appropriate temperatures
- Considerable **moisture**



Restricting air movement stops moisture accumulation so that the possibility of mold growth is less likely. Combined with a properly sized HVAC system, FOAM-LOK™ spray foam insulation helps control the indoor humidity levels to minimize moisture and condensation. Reducing moisture and controlling humidity can also add years to the life expectancy of a home, plus contribute to a healthier indoor environment.

An environmentally friendly home is a great benefit for you, your family and the environment. Take an active role in helping reduce greenhouse gases, thus slowing the effects of global warming. By properly sealing your home you reduce the amount of oil that is needed to produce electricity and the carbon emitted into the environment.



LAPOLLA™



SUSTAINABLE BUILDING ENVELOPE



ELIMINATES AIR INFILTRATION



ELECTRIC ENERGY SAVINGS



REDUCES ENERGY CONSUMPTION



BETTER AIR QUALITY



ENVIRONMENTALLY FRIENDLY



HEALTHIER LIVING ENVIRONMENT

Insulation Energy Cost Comparison

EAST COAST Atlantic City, NJ

Seasonal Climate – 2,600 s.f. home, facing West

Average Heating and Cooling Costs per Month

Conventionally Insulated Home:	\$257	
HVAC Equipment Required:		5.5 Tons
FOAM-LOK Insulated Home:	\$114	
HVAC Equipment Required:		3.5 Tons
Net Monthly Savings with FOAM-LOK Insulation Package:	\$143	

GULF COAST Baton Rouge, LA

High Humidity – 2,600 square foot home, facing West

Average Heating and Cooling Costs per Month

Conventionally Insulated Home:	\$164	
HVAC Equipment Required:		5.5 Tons
FOAM-LOK Insulated Home:	\$67	
HVAC Equipment Required:		3.5 Tons
Net Monthly Savings with FOAM-LOK Insulation Package:	\$97	

ROCKY MOUNTAINS Breckenridge, CO

High Altitude, Colder Climate – 2,600 square foot home, facing West

Average Heating and Cooling Costs per Month

Conventionally Insulated Home:	\$267	
HVAC Equipment Required:		5 Tons
FOAM-LOK Insulated Home:	\$133	
HVAC Equipment Required:		3 Tons
Net Monthly Savings with FOAM-LOK Insulation Package:	\$134	

WEST COAST San Francisco, CA

Seasonal Climate – 2,600 square foot home, facing West

Average Heating and Cooling Costs per Month

Conventionally Insulated Home:	\$251	
HVAC Equipment Required:		5 Tons
FOAM-LOK Insulated Home:	\$81	
HVAC Equipment Required:		2 Tons
Net Monthly Savings with FOAM-LOK Insulation Package:	\$170	

Monthly HVAC Energy Consumption Using:

Conventional Construction Specifications:

- 16 SEER Electric Heat Pump
- 16 SEER A/C with a 90% AFUE Gas Furnace
- R-8 Ductwork in a Non-Conditioned Attic
- R-38 Fiberglass Attic Insulation (flat ceiling)
- R-13 Fiberglass Batts in the Exterior Walls
- R-13 Fiberglass Batts in the Common Walls
- 2-Pane, Low-E, Vinyl Windows
8. Metal French and Solid-Core Doors
9. Slab Floor (No Insulation)
10. Normal Caulk and Seal Package

FOAM-LOK Construction Specifications:

- 16 SEER Electric Heat Pump
- 16 SEER A/C with a 90% AFUE Gas Furnace
- R-8 Ductwork in Conditioned Space
- 6" FOAM-LOK OC Open-Cell Sprayed Foam Roof Deck Insulation or 3" FOAM-LOK CC Closed-Cell Sprayed Foam Roof Deck Insulation
- 3 1/2" FOAM-LOK OC Open-Cell Sprayed Foam 2"x 4" Exterior Walls or 2" FOAM-LOK CC Closed-Cell Sprayed Foam 2"x 4" Exterior Walls
- 3 1/2" FOAM-LOK OC Open-Cell Sprayed Foam 2"x 4" Common Walls or 2" FOAM-LOK CC Closed-Cell Sprayed Foam 2"x 4" Common Walls
- 2-Pane, Low-E, Vinyl Windows
- Slab Floor (No Insulation)
- The FOAM-LOK Air-infiltration Package

Energy cost calculated at:

\$0.090 per kwh electricity – winter
\$0.090 per kwh electricity – summer
\$0.850 cubic feet of natural gas

Energy evaluations performed by Mechanical Engineer using proprietary software on 3/1/11. Energy cost savings are estimated and not guaranteed and subject to construction and energy cost variables.



FOAM-LOK™ FL 2000 Spray Foam Insulation contains a meaningful level of Post Consumer Recycled Content (recycled plastic bottles), bringing added value to the consumer and environment.

Did you know that insulation should contribute to the durability, energy-efficiency, comfort, health, and safety of a building?

“ Did you know the average U.S. family spends about \$1900.00 a year on home utility bills? Each year, energy generated for a single home by fossil fuels puts more carbon monoxide into the air than two average cars.”

http://www.energysavers.gov/pdfs/energy_savers.pdf

With the rising cost of energy, and focus on health and environmental issues, architects and builders are recommending insulation materials that add significant performance value to construction projects. Spray foam is at the top of the recommended product list.



Builder Benefits

Insulation should add value to energy savings, sustainability, air quality, safety, durability and comfort. The economic value of spray foam insulation lasts over the lifetime of a building to maintain the environmental needs of future generations.

Simplified Construction: Installing spray foam in-between the studs will meet most R-value, air barrier, and water vapor retarder requirements.

HVAC Equipment Cost Saving: Tightening the building envelope can lead to energy savings of up to 50% and may allow cost reductions from smaller HVAC systems. Moving the attic thermal boundary to the underside of the roof deck creates a conditioned space for air handling units and ductwork to operate more efficiently.

Flexibility in Framing: High aged R-value of over 6 per inch, permits stud and rafter size reduction to increase living space and cost.

Enhanced Durability: Wall racking strength is up to three times stronger than conventional insulation in framed walls.

Approved Applicators: FOAM-LOK™ applicators invest in materials that have multiple characteristics in one finished product, allowing builders to achieve several requirements at one time.

Wind Uplift Resistance: The installation of Closed Cell Spray Foam to the underside of the roof sheathing increases the wind uplift resistance by over 100%



Sealing and insulating the “envelope” or “shell” of your home — its outer walls, ceiling, windows, doors, and floors — is often the most cost effective way to improve energy efficiency and comfort.

Source: www.energystar.gov/index.cfm?c=home_sealing.hm_improvement_sealing



FOAM-LOK™

SPRAY FOAM INSULATION

About FOAM-LOK™ Approved Applicators

FOAM-LOK™ approved applicators promote and install better building solutions. Solutions that are achieved through the application of spray foam insulation. They are committed to the highest quality installation standards, and demonstrate an aptitude of understanding building science. They value a collaborative approach to build and deliver safe, durable, and energy-efficient homes.



Build a FOAM-LOK™ Home Today

Here's how to get started.

To learn about FOAM-LOK™ and
Spray Foam Insulation,
visit: www.lapolla.com
or call (888) 4-LAPOLLA

