

WALLTITE® and ENERTITE®

Spray Foam Insulations



WALLTITE®

BASF
We create chemistry

Why should you use spray polyurethane foam insulation in your home?

Today's homeowners demand more value from a home. With rising energy costs and greater awareness about how homes affect our health and the environment, homeowners want products that make their homes safe and comfortable, and give them their money's worth.

BASF spray foam technology air seals and insulates in a single application, providing an array of benefits, from superior energy efficiency to improved durability and indoor air quality. Knowing the benefits and understanding the different types of spray foam products and applications available will help you make the best decision for your home and your family.

Insulating and air sealing your home

While many people believe that simply adding insulation is the best way to make a home more energy efficient, most traditional insulation products do nothing to stop uncontrolled air leakage. And this air leakage has been proven to be the biggest energy thief in almost any home. The U.S. Department of Energy (DOE) reports that up to 40 percent of the energy cost of heating and cooling a building is wasted by uncontrolled air leakage.

In cold weather, heated air inside the home escapes through cracks, gaps and holes in the building shell causing your furnace to work harder to maintain indoor comfort. In warm weather, hot humid air enters the home through those same pathways, increasing the burden on the air conditioning system. In addition, air movement in and out of your home transfers humidity to colder surfaces where it can condense and cause premature building deterioration like mold and rot.

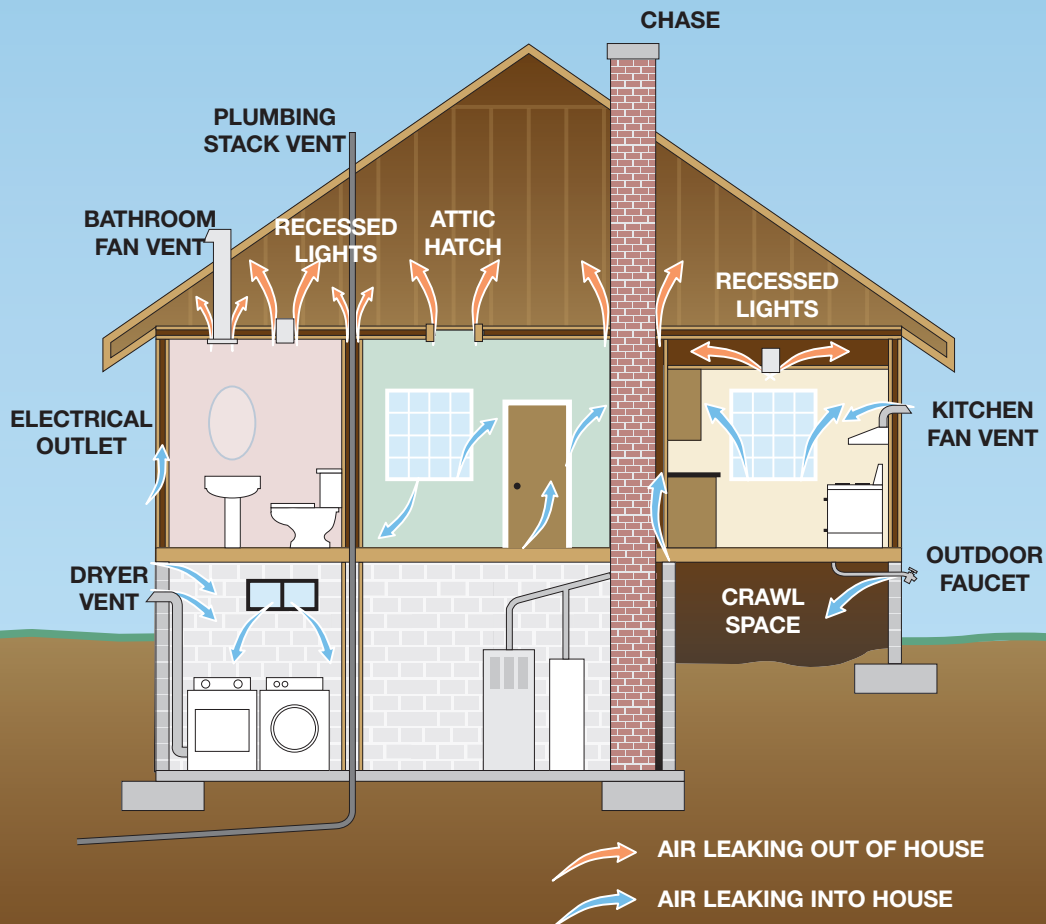
Consider this...

- Traditional insulation (fiberglass batt or blown cellulose) will not prevent air or moisture from entering your home.
- Air leakage contributes to problems with moisture, mold, thermal comfort, noise, dust, allergens, structural deterioration, and ice damming.
- Conventional insulation provides no structural strength, contains gaps and may absorb water.

Did you know?

- By using spray polyurethane foam (SPF) you are not only insulating your home, but also preventing air leakage and moisture from moving through your home.
- SPF can be used in a variety of applications including: walls, crawl spaces, foundations, basements, under slabs, floors, attics, ceilings.
- SPF is available in both open and closed-cell formulations, each offering unique benefits.
- Closed-cell SPF increases structural strength of a building.

Common Drafts in a Home



Which application is right for you?

Choosing which application is right for you can be based on a number of things. We can help you make a more educated decision. The chart below describes the ENERTITE® open-cell spray polyurethane foam (SPF) applications along with the WALLTITE® closed-cell SPF applications, as well as a hybrid system.

Application	ENERTITE*	Hybrid System*	WALLTITE
Description	ENERTITE open-cell spray foam can be used to improve energy efficiency or to provide a barrier against unwanted sound. It thoroughly fills spaces and adheres to surfaces creating a tighter, more seamless fit than conventional insulation. ENERTITE insulates against outdoor temperatures and reduces air leaks.	Closed-cell and open-cell spray foam can be combined with conventional insulation in the same framing space. This type of application combines the air sealing and moisture resistance of spray foam with the economy of fiberglass batt or blown cellulose.	WALLTITE closed-cell spray foam has a superior insulation value (R-value). It insulates against extreme outdoor temperatures and seals out costly and risky uncontrolled humidity and air leakage. Its rigid bond is even proven to add structural strength against racking and wind uplift during storms.
Benefits	<ul style="list-style-type: none"> • Increased energy efficiency • Improved sound control 	<ul style="list-style-type: none"> • Increased energy efficiency • Improved sound control • Increased structural strength 	<ul style="list-style-type: none"> • Increased energy efficiency • Increased structural strength • Control condensation potential

*Vapor retarder may be required in certain climate zones. Please discuss with your contractor or refer to local building code requirements.

ENERTITE®

ENERTITE Open-cell Spray Polyurethane Foam Insulation

ENERTITE is a low-density open-cell SPF insulation. Applied as a liquid, this water-blown foam quickly expands to many times its original size completely filling wall cavities. ENERTITE easily flows in and around difficult-to-reach areas such as pipes and wiring, creating a seamless seal. When you insulate with ENERTITE you choose:

- Improved Energy Efficiency
- An Affordable Option for SPF Insulation
- Increased Comfort
- Excellent Sound Control
- Healthy Indoor Air Quality
- Adherence to Wall – Will Not Sag
- A Greenguard GOLD low-VOC certified insulation material



WALLTITE®

WALLTITE Closed-cell Spray Polyurethane Foam Insulation and Air Barrier

WALLTITE is a closed-cell SPF insulation that creates a seamless, insulating air barrier to improve the energy efficiency, comfort and durability of homes and buildings. Spray applied as a liquid, WALLTITE technology flows in and around difficult to reach areas, while providing the following values:

- Air and Vapor Barrier
- Superior Insulation Performance
- Controlled Indoor Environment
- Moisture Resistance
- Structural Strength
- Increased Comfort
- Excellent Sound Barrier
- A Greenguard GOLD low-VOC certified insulation material

WALLTITE and ENERTITE insulation materials are accepted by all major building codes, including the International Code Council encompassing both commercial and residential applications. Specialty formulations may be required for specific commercial fire ratings; please contact BASF Technical or your local building code authority for guidance.

Which insulation is right for you?

WALLTITE® and ENERTITE® offer an array of features and benefits that exceed conventional insulations.

Feature	ENERTITE® Open-cell Spray Polyurethane Foam	WALLTITE® Closed-cell Spray Polyurethane Foam	FIBERGLASS	BLOWN CELLULOSE
Per inch R-value*	3.7-4.1	6.8-7.2	3.4-3.7	3.2-3.8
Approved Air Barrier	Yes – at 3.5” thickness	Yes – At 1” thickness	No	No
Vapor/Moisture Barrier	No	Yes	No	No
Radon (soil gas) Barrier	No	Yes	No	No
Seamless Construction	Yes	Yes	No	No
Rigid	No	Yes	No	No
Fully Adheres	Yes	Yes	No	No
Adds Structural Strength	No	Yes	No	No
Long Service Life	Yes	Yes	No	No
Fills Difficult Spaces	Yes	Yes	No	No
Superior Sound Barrier	Yes	Yes	No	No
Absorbs Water	>40% v/v	<4% v/v	Yes	Yes

* The R-value of this insulation. “R” means resistance to heat flow. The higher the R-value, the greater the insulating power. Compare insulation R-values before you buy. There are other factors to consider. The amount of insulation will depend upon the climate, the type and size of your house, and the fuel use patterns and family size. If you buy too much insulation it will cost you more than what you will save on fuel. To achieve proper R-values, it is essential that this insulation be installed properly.

Good for the Earth, Good for Your Wallet

No matter which spray foam insulation you select, you can feel confident that you are impacting the planet in a positive way through a reduced carbon footprint in your home, due to the reduced energy demand and lower greenhouse gas emission for heating or cooling it. In addition, that reduced demand to keep your home more comfortable results in savings for you month over month. The investment in a high-performance insulation like spray foam (through a nominal cost impact to your monthly mortgage) is more than offset by improved energy efficiency and the reduced energy bills that come with it.

For more details, please discuss the benefits and pricing of BASF spray foam insulation options with your local contractor.

Locate A Contractor

www.spf.basf.com/homeowners_locate.php

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