

## REDUCE A MAJOR SOURCE OF ENERGY LOSS

For significant savings choose an insulation material that addresses air leakage, which can account for up to half of the energy lost by a building. The best insulation provides both an air seal and R-value. The result: a highly efficient building envelope.

### How well does your insulation stop random air leakage?



Source: U.S. Dept. of Energy: Stopping Air Leaks



### Energy Savings - A significant return on your foam insulation investment

The right kind of foam insulation, properly installed, will bring those desired and promised changes to your living or working environment—less noise, cleaner, healthier air and significant savings in heating and cooling costs. Sunny South customers often experience energy savings of up to 50% per year. And those savings pay for the extra cost of foam insulation in just a few years (usually 4-6).

**SEE US ABOUT SPECIAL FINANCING**

## ICYNENE SPRAY FOAM INSULATION

Icynene, the leading soft foam insulation and air barrier system, is becoming the industry standard providing maximum building envelope performance.

Icynene's insulation and air-sealing products minimize the entry of outdoor allergens and pollutants. Icynene foam forms a continuous air-seal, not only increasing energy efficiency by up to 50%, but also reducing the potential for warm, moist air to cross the building envelope where it can contact colder surfaces and condense. This can create a breeding ground for mold, mildew and other airborne bacteria.

Icynene maintains its performance over time. It does not shrink, sag or settle. Icynene adheres to most construction materials and is the ideal insulation for walls, attics, ceilings and floors. Icynene's products are suitable for steel or wood framed residential or commercial construction.



**SUNNY SOUTH INSULATORS INC.**  
[www.sunnysouthinc.com](http://www.sunnysouthinc.com)

Phone: 403.327.9307

1.877.327.9307

Email: [sunnysouthinc@yahoo.com](mailto:sunnysouthinc@yahoo.com)



## SUNNY SOUTH INSULATORS INC.

Your #1 Spray Foam Specialists

BRIGHT IDEAS FOR BETTER BUILDING



**Healthier, Quieter, More Energy Efficient**

**403-327-9307**

**1-877-327-9307**

[www.sunnysouthinc.com](http://www.sunnysouthinc.com)

## SERVING SOUTHERN ALBERTA SINCE 1979

Sunny South Insulators began operations in 1979 to serve the needs of residential, agricultural and commercial customers.

Decades of knowledge and experience lie at the foundation of the company's present day success. This experience combined with advanced technology and industry leading spray foam insulation products provide durable energy saving solutions to seasonal heating and cooling needs.

Sunny South Insulators brings industry leading "green" technology and foam insulation products to Southern Alberta's new construction and

### WHAT YOU SHOULD KNOW ABOUT INSULATION

Are you tired of huge energy bills and want to improve the energy performance of your homes or buildings?

Most of us know that insulation is supposed to reduce the cost of heating and cooling a home. But not all insulation products perform equally—despite equivalent R-values. For information to help you really compare different insulations go to:

[insulation smart.COM](http://insulation.smart.com)

Also see Sunny South's website for more facts on various types of insulation and spray foam in particular, [www.sunnysouthinc.com](http://www.sunnysouthinc.com).

Sunny South uses the 'Icynene®' spray foam insulation and air barrier material to provide customers with the most reliable and trusted brand names on the market.

## SPRAY FOAM - CONSIDER THE FACTS

To be effective, insulation must fit the joist or stud cavity to provide an effective air barrier. Unlike fiberglass batts or cellulose fill, spray foam has exceptional air and vapour sealing qualities. When sprayed or injected into the framing cavity, it sticks to the sheathing and expands rapidly to seal every crack and opening.

### TYPES OF INSULATION - A PRACTICAL COMPARISON

There is no need to feel confused. Sunny South offers the best kinds of foam types including medium density poly urethane 2 lb. foam and lower density 0.5 lb. foam. We will tell you which type is the most appropriate for your application. You can trust the experience of Sunny South experts.

Features & Benefits	0.5 lb. Open Cell	2 lb. Closed Cell	Fiberglass Batts
<b>Best suited for</b>	Wood framed surface	Concrete walls, steel buildings	—
<b>Perfect fit in tight areas</b>	✓	✗	✗
<b>Flexible - no cracking or debonding</b>	✓	✗	—
<b>R-value</b>	3.7 /inch	7 /inch	3.6 /inch
<b>Maintains R-value overtime</b>	✓	✗	✗
<b>Moisture Resistant</b>	✓	✓	✗
<b>Won't shrink</b>	✓	✗	✗
<b>No post installation gas emissions</b>	✓	✗	✓
<b>Sound Barrier</b>	✓✓✓	✓	✓
<b>Vapour barrier required on all above grade walls/ ceilings</b>	✓	✓	✓
<b>No HCFCs, HFAs, HFCs used</b>	✓	✓	✓
<b>No settling or sagging</b>	✓	✓	✗
<b>Won't wick or absorb water</b>	✓	✓	✗
<b>Creates air seal / barrier</b>	✓	✓	✗
<b>Can be injected into closed wall cavities</b>	✓	✗	✗

### SPRAY FOAM BENEFITS

- ◆ Continuous air barrier
- ◆ Prevents moisture infiltration and minimizes dew point problems and condensation
- ◆ Reduces thermal bridging
- ◆ Resists air movement – both hot and cold
- ◆ Reduces noise transmission
- ◆ Provides a germ and odor barrier
- ◆ Retards insect and rodent penetration

## BUILDING EFFICIENCY AUDIT

Poor building performance is typically caused by excessive air leakage and conductive losses. (i.e. insulation has not sealed the building) Early correction of those faults can prevent extensive damage to the structure and



Sunny South's infrared thermal camera can detect insulation flaws as shown above.

### RENOVATIONS MADE EASIER for a Healthier, Quieter, more Energy Efficient environment

The most important decision you will make is the kind of insulation you use and how it is installed. Nothing works like the right kind of spray foam insulation. To save you money and time, Sunny South can replace your old existing insulation or fill an empty wall cavity without removing all of the existing drywall or lath & plaster.



There are government grants that are available for renovations. Local energy raters are certified to complete evaluations to increase home energy performance. Go to [oee.nrcan.gc.ca](http://oee.nrcan.gc.ca) for more information on energy grants.

### Check out our innovative mesh panel installation process

#### 1. Injecting Icynene foam into cavity



#### 2. Icynene expands & fills entire cavity



#### 3. Icynene finished product



Watch how Sunny South's professional installers spray both "hard foam" and Icynene "soft foam". Note the innovative use of wire mesh installation panels to create a smooth, uniform "no waste, no mess" foam surface ready for drywall.

Check out our videos on Youtube by searching Sunny South Insulators

