



Smart Energy Solutions For A Sustainable World

Benefits of Spray Polyurethane Foam For Home Insulation of Existing or New Homes

Spray Polyurethane Foam (SPF) is a remarkable insulating and sealing material gaining favor with contractors and homeowners. Now, with increased health awareness, heightened environmental concern, and rising energy costs, SPF is rapidly growing in popularity. No other insulating material can claim all these benefits!

- Energy Efficient
- Comfortable
- Durable
- Environmentally Friendly
- Healthy
- Quiet
- Economical

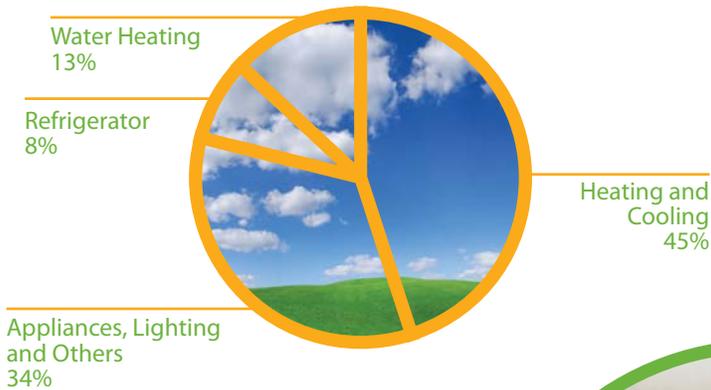
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Energy Efficient

According to the U.S. Department of Energy, about 45% of home energy consumption is used for heating and cooling. Insulating and sealing with SPF reduces energy consumption and lowers utility bills. By reducing air infiltration, SPF allows for the selection of smaller, more efficient heating and air conditioning units, which cost less to maintain and operate.

Energy Use in a Typical Home



Comfortable

Cold, hot, dusty, or humid areas in your home may be caused by insufficient insulation and uncontrolled air leakage. This is very common around electrical outlets, light fixtures, and plumbing penetrations. SPF solves this problem because when applied it expands to over 30 times its original liquid volume. This expansion fills tiny cracks and voids to keep out unwanted, unconditioned air.



Durable

SPF does not settle or change shape over time. Within seconds after application it adheres and expands on the surface it contacts. This structural reinforcement may double the strength of a wall. With normal insulation, moisture can enter the building cavity and create structural problems in addition to health concerns. SPF controls movement of air and moisture through your walls because of the tight seal it creates.



Environmentally Friendly

The average home contributes twice as much greenhouse gas as the average car. 15 percent of all greenhouse gases are generated from the energy used in homes. Even a small reduction in this energy consumption is good for future generations. The amount of energy used to make and install insulation is very small compared to the energy saved over its useful life.



Healthy

SPF does not contain dust or fibers like other insulating materials, which can actually become a source of indoor air pollution. SPF also controls unwanted moisture, dust, and pollen by sealing the home. When excessive moisture or water accumulates indoors, mold growth often occurs contaminating the air, which can cause serious health problems. Proper insulation and controlled ventilation will minimize mold, radon, formaldehyde, and other pollutants.

Quiet

Noise from cars, trucks, trains, or barking dogs can be a nuisance. Even noise within a home can be disturbing. SPF uniquely minimizes vibrations that generate sound to provide a quiet living space. SPF can also be applied over water lines to quiet noisy plumbing. Noise reduction and air quality control result in a more comfortable and peaceful living environment.

Economical

Energy efficient homes may initially cost more, but this initial investment will be offset by years of tremendous utility savings. SPF adds money in your pocket every month for things you enjoy. Investing an extra \$5,000 for an energy efficient home may add \$35/month to your mortgage payment, but save you \$50/month on your utility bills. Your home will also be worth more when you sell it!

