

Spray Foam Insulation Offers Versatility and Efficiency

A quality insulation is a must in modern homebuilding and renovation, with most homeowners and potential homeowners seeking properties that tightly seal the building envelope and can make the home energy efficient. Builders and contractors recognize this, and understand the importance of insulation for allowing them to meet increasingly stringent local efficiency standards. Among insulation choices, spray polyurethane foam (SPF) insulation offers versatility while providing notable energy efficiency.

An estimated [56 percent of energy used in a home goes towards heating and cooling](#), and without quality insulation, [40 percent of that energy used to heat and cool a home can be lost](#). However, installing an insulation like SPF can help a home be more energy efficient.

In addition to having a high R-value, equaling as much as 6.5 per inch of insulation, SPF insulation provides the added benefit of sealing leaks throughout a house. This is due to the fact that the material is sprayed on, allowing it to expand on application, filling in hidden cracks and holes like those often found in a home's attic, which can account for up to [15 percent of a home's energy loss](#). Additionally, by tightening up the envelope and increasing the R-value, [the size of the HVAC system can be reduced by as much as 35 percent](#).

There are 113 million single-family homes in the United States. If each of these homes used an insulation like SPF to tighten up their envelopes and increase R-values, American's could have their homes be more energy efficient in the long run.