



## Trust BaySeal® in Your Home.

BaySeal®'s Spray Polyurethane Foam Insulation adds durability and improved comfort to your home. Go with the modern insulation choice for your new home.





# Take an Active Role in the Construction of Your Home

Request BaySeal® Spray Polyurethane Foam to Insulate Your Most Valuable Asset

**Your house is an interconnected system and every component in its structure works together.** Adding insulation helps improve the energy efficiency of your home as well as improve your home's comfort and durability.

## Insulation That Adds Value

BaySeal® spray polyurethane foam insulation:

- Contributes to increased comfort with a high performance insulation system that helps maintain room temperatures all year round.
- Helps minimize the energy required to deliver comfort, which reduces your impact on the environment.

## What is spray polyurethane foam?

BaySeal® spray polyurethane foam insulation is an effective insulation and air sealant material that is made of the highest quality raw materials and installed by contractors at your home site. The BaySeal® spray polyurethane foam liquid quickly expands, helping to fill gaps and voids, and cures to form a fully adhered insulation that can be a highly effective air barrier.





## A Better Home Environment

Air moves in and out of a home through every hole, crack and seam. Spray polyurethane foam insulation helps to:

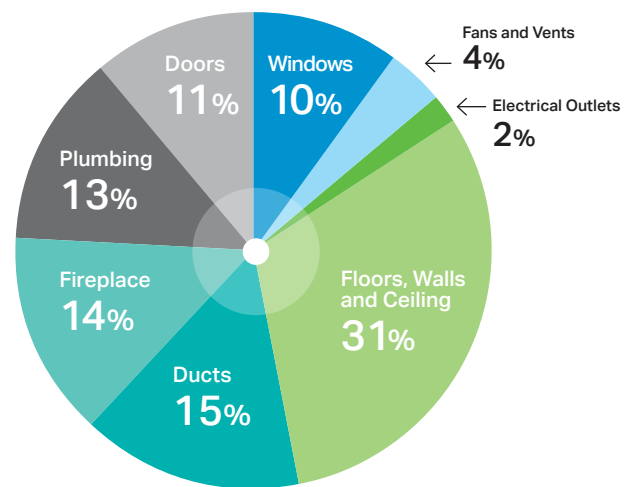
- Keep dust and pollen out of your home.
- Lower energy bills by reducing air leaks.

### Where and why do homes leak?

Even new construction if not properly insulated can leak conditioned air. Air moves into and out of homes through every hole and crack. About one-third of this air infiltrates through openings in ceilings, walls and floors as shown in the figure.

SPF insulation applied in a continuous blanket can help reduce the conditioned air and heat loss along with air leakage. **This is a significant benefit of spray foam over any other conventional insulation.**

### Air Loss with Conventional Insulation



Source: Department of Energy



### Air Sealing vs. Traditional Insulation

Think of layers of clothing on a cold winter day. Adding additional insulation is like adding a second sweater or fleece jacket; it will keep you warm as long as there is no wind. Using BaySeal® spray polyurethane foam can be like adding a windbreaker, which helps keep the conditioned air in and the outside weather out – where it belongs.



## Want More Upgrades in Your New Home?

A well-designed home with correctly applied spray foam insulation can help your HVAC system to operate more efficiently resulting in lower monthly energy costs.

Lower energy costs mean a lower cost of ownership, keeping more money in your pocket to spend on home upgrades now, build up a college fund or save for vacations in the future.





## Construction Benefits with SPF

Accella Polyurethane Systems is a leader in spray polyurethane foam (SPF) insulation technology. Accella manufactures OC (open cell) and CC (closed cell) SPF for use in different applications. With correct application, our BaySeal® SPF insulation contributes to a quality home in the following ways:

- **Superior Insulation:** Helps reduce voids or gaps between insulation and framing. Helps provide superior insulation when properly installed by a trained contractor.
- **HVAC Equipment / Downsizing:** Installing BaySeal® SPF to the roof underside helps to create an unvented attic area, allowing air handling units and ductwork to operate more efficiently within a semi-conditioned space.
- **FEMA Class 5:** BaySeal®'s CC SPF is classified by FEMA as a flood resistant insulation material.
- **Flexibility in Framing:** High R-Values allows stud and rafter size reductions to increase living space. Aesthetically, because spray foam insulation can be formed to fit any size or space, it gives the design team the ultimate flexibility.
- **Moisture Barrier:** BaySeal®'s CC, at a minimum thickness of 1 inch, qualifies as a Class II vapor retarder.\*
- **Evolved Insulation:** BaySeal®'s insulations are part of the same family of evolved insulation you'll find in Energy Star appliances.

BaySeal®'s team works with homebuilders to optimize the effectiveness of the SPF insulation. BaySeal® sales representatives and technical staff have experience in the homebuilding industry and can offer hands-on construction knowledge to builders.

\***Vapor Retarder:** BaySeal® CC X system qualifies as a vapor retarder as defined by the International Code Council and ASHRAE (Class II) at a minimum thickness of one inch. Building construction types with a persistent, high moisture drive require additional moisture remediation. The contractor should consult local building codes to establish the vapor retarder requirement.

**Open Cell or Closed Cell Spray Foam?**

**Ask your builder what choices are right for your home design and environment.**

**Your Local BaySeal® Contractor**

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