



PROSEAL™
Closed-Cell Polyurethane



Profoam An Innovative Leader for Five Decades

Profoam has been an industry leader and innovator of spray foam insulation and roofing systems solutions. Profoam's superior insulation and roofing technologies not only help families and commercial businesses save on heating and cooling costs, they have helped secure homes and commercial facilities against some of nature's harshest forces, such as hurricanes. Additionally, we sell and service the equipment to facilitate these applications, assuring end users a single, reliable support resource for their foam-in-place operations.

Highest Product Quality Available

We start with the finest raw materials from proven, reliable sources to develop our high-quality, advanced spray polyurethane foam and premium acrylic coatings. Our highperformance products must pass an array of quality control measures before ever reaching the job site. All ingredients are accurately weighed and blended for optimum performance. All systems are quality control tested for conformity to Profoam specifications. Our spray polyurethane foam is shipped from our manufacturing facilities to meet your specific project requirements.

The Best Trained Applicators in the Business

Certification as a Profoam Applicator requires contractors to successfully complete a comprehensive Profoam-led training program, ensuring they are properly equipped to meet and exceed each customer's needs. Our hands-on training covers all technical aspects of accurate spray polyurethane foam application and proper equipment operation, including step by-step procedures, parts information, and troubleshooting guides. From our experienced staff, contractors learn the most effective ways to apply Profoam's high-quality spray polyurethane foam and premium coatings, and achieve a high-performance solution. Beyond product and equipment training, Profoam offers on-site technical representatives to help explore the best approach to solving your unique construction problems.

The most important building product you'll never see!™

- **Contains renewable agricultural products**, including sugar cane, sugar beets and corn. Profoam has formulated spray polyurethane foam containing sucrose-based, agriculturally derived ingredients since the 1960s.
- **Provides a higher R-value than conventional insulation**, lowering monthly energy bills.
- **Reduces energy consumption**, lessening your environmental impact and carbon footprint.
- **Helps improve indoor air quality**, because it keeps out dust and pollutants and is specially formulated to inhibit mold, mildew and bacterial growth.
- **Requires less lumber**, because ProSEAL™ requires only 2x4 studs, not the 2x6 studs needed to fit batt insulation. Building a typical house in the US with 2x4 studs instead of 2x6's saves an average of two to three trees.
- **Promotes a sustainable design**, because it never settles, shrinks, compresses or sags, maintaining its insulation efficiency for the life of the structure.
- **Contains no ozone-depleting chemicals**. Profoam is the winner of an EPA Stratospheric Ozone Protection Award for extraordinary accomplishments and significant contributions to protect the environment.
- **Reduces the amount of waste and debris that go into landfills**. It strengthens walls and increases overall structural integrity by adhering and bonding to the wall surface, so buildings last longer and don't need to be replaced as often.



High Performance CLOSED-CELL Spray Foam Insulation

A High-Performance Closed-Cell Spray Foam Insulation that Delivers Exceptional R-Value, Great Energy Savings, Water and Air Barriers, and Added Strength Against High Wind Events.

Recipient of the EPA's Stratospheric Ozone Protection Award for outstanding contribution to the protection of the Earth's ozone layer.

Using less energy helps the environment. ProSEAL™ can help cut your energy use and reduce your carbon footprint. Profoam, maker of ProSEAL™, is an Energy Star partner, member of the US Green Building Council, and winner of an award from the Environmental Protection Agency for protecting the ozone. See inside to learn why ProSEAL™ is among the "greenest" of all insulations.



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"THE BEST INSULATION MONEY CAN BUY"





ProSEAL™ High Performance Insulation

A High-Performance Closed-Cell Spray Foam Insulation that Delivers Exceptional R-Value, Great Energy Savings, Water and Air Barriers, and Added Strength Against High Wind Events.

ProSEAL™ is the most energy efficient closed-cell polyurethane spray foam insulation system available. It is formulated to provide maximum benefits to homeowners in addition to saving significantly on energy costs. It stops air leakage, reduces noise and blocks dust, pollen and other airborne pollutants. It controls moisture movement to prevent condensation conditions, thereby eliminating the moisture that can lead to mold growth. When applied directly to the roof deck, ProSEAL™ adds structural strength and greatly increases the ability to withstand uplift from high winds.

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The Problem

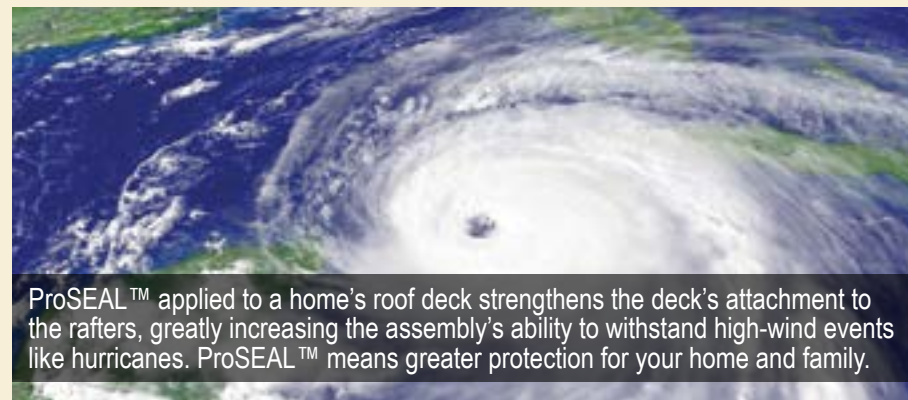
More and more, builders and homeowners are coming to understand that without an effective air and moisture barrier, a home is subject to water damage and air leaks that cause condensation and mold growth. The results can damage the structure and reduce the life of a building, in addition to making the occupants uncomfortable and costing them money in higher energy bills.

The Solution

ProSEAL™ is a 2lb/ft³ density, closed-cell polyurethane foam insulation that is applied as a liquid to the wall, ceiling, attic or floors. The liquid reacts, expands, and cures in place, forming a fully adhered, seamless insulating and air-blocking membrane that seals walls to prevent air penetration and block outside noise pollution. The results are a quieter home and lower energy costs. The closed-cell structure of ProSEAL™ blocks air movement and has a low permeance, which controls moisture vapor movement, eliminating the need for an additional vapor retarder. When moisture vapor is controlled, condensation will not occur, thus eliminating the water to support mold growth. Additionally, ProSEAL™ is blended with an anti-microbial agent to inhibit mold, mildew and bacterial growth.

The End Result

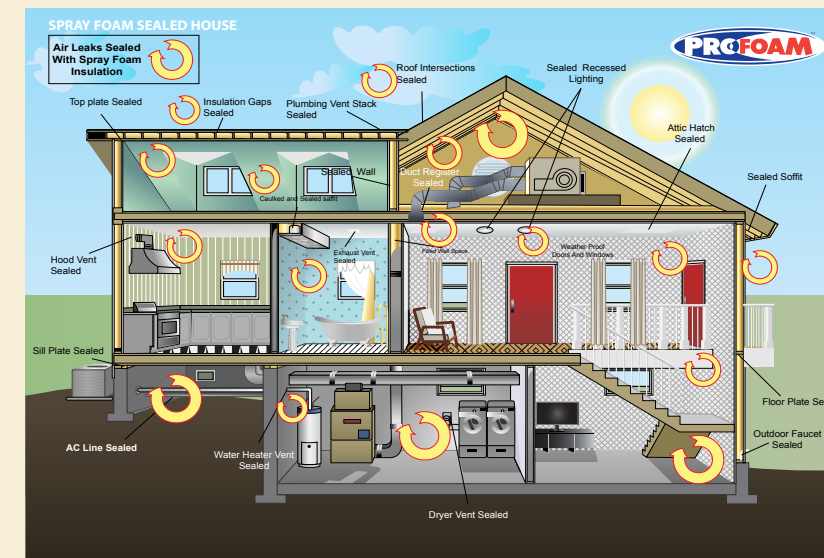
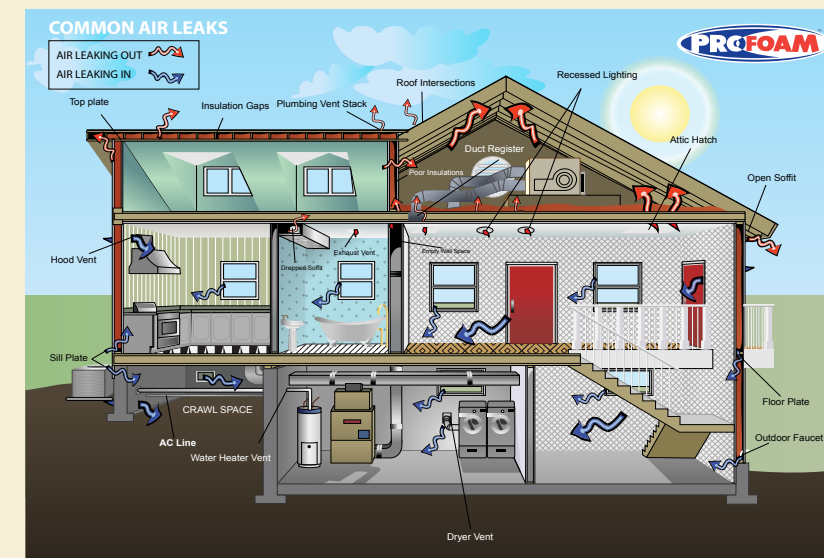
Superior Home Insulation Offering High Performance and Exceptional Value. By designing and building a highly energy-efficient, low-maintenance home, the reduction in energy used for heating and cooling will lower demand on utility companies for the life of the house. With ProSEAL™, you can insulate directly to the roof deck, putting all of the space under the roof to use. By putting HVAC ductwork in conditioned space, energy waste from leakage is eliminated. This additional conditioned space can then be utilized for computer rooms, bonus rooms, playrooms, or closet space. Previously wasted attic areas become valuable living space for very little cost, while adding tremendous retail market value to the house. Add up the benefits and it's easy to see that the high-performance insulation you've been looking for is ProSEAL™.



ProSEAL™ applied to a home's roof deck strengthens the deck's attachment to the rafters, greatly increasing the assembly's ability to withstand high-wind events like hurricanes. ProSEAL™ means greater protection for your home and family.

How ProSEAL™ Closed-Cell Insulation Works

ProSEAL™ foam insulation is a two-part liquid formulated from renewable agricultural resources that is sprayed in place by specially trained Profoam contractors. This liquid quickly expands, filling all gaps and voids, and cures to form a fully adhered, solid, monolithic insulation envelope that is a highly effective air barrier and moisture vapor retarder. ProSEAL's™ high R-value allows designers to reduce the depth of exterior walls and still obtain high energy efficiency. This means more living space in your home. By simply changing the exterior walls from 2" x 6" studs to 2" x 4" studs, a 2,500 sq. ft house gains almost 6 square feet of living space – reducing the wood required and saving two trees.



HOMEOWNER BENEFITS

ProSEAL™ high-performance spray foam insulation saves homeowners money and makes their homes stronger, healthier and more comfortable.

- **Significant savings** on your monthly energy bills.
- **Provides superior R-value** of 6.8 at one inch, reducing both heating and cooling costs.
- **Creates an air barrier** that eliminates leaks and energy loss.
- **Provides a vapor retarder** that controls moisture problems.
- **Specially formulated to inhibit mold**, mildew and bacterial growth.*
- **Improves indoor air quality** by keeping out dust and pollutants.
- **Reduces your energy consumption**, lessening your environmental impact.
- **Provides consistent room temperatures** – no drafts, no cold or hot spots.
- **Reduces outside noise** by creating a seamless, airtight, insulated barrier.
- **Strengthens roof deck attachment against high wind**. Has Florida product approval (#9975) and Miami Dade NOA approval (#12-0810.09) to reinforce roof deck attachment against hurricane-force winds.
- **Strengthens walls and increases overall structural integrity** by adhering and bonding to the wall surface.
- **Provides secondary water barrier.**
- **FEMA Class 5 Flood-Resistant Material.**
- **Damp-proofs** by creating a seamless membrane between the inner and outer walls.
- **Proven insulating power** – spray polyurethane foam systems have been applied successfully for more than 45 years.

* ProSEAL™ insulation systems are formulated with an anti-microbial ingredient to inhibit the growth of molds that may affect this product. The anti-microbial properties do not protect occupants of spaces insulated with ProSEAL™ insulation from potential deleterious effects of molds, mold spores, or disease organisms that may be present in the environment.

BUILDER BENEFITS

ProSEAL™ high-performance spray foam insulation is the highest quality spray foam technology on the market today.

- **Adaptable** to uniquely shaped, hard-to-insulate designs.
- **Easy to install** so you finish a job under budget and ahead of schedule.
- **Creates a fully adhered and monolithic membrane** for a seamless insulation envelope.
- **Watertight** within seconds of being applied.
- **Can be applied to the underside of roof decks** to form conditioned or cathedralized attic areas.
- **Normally unusable attic area can be "harvested"** by converting it into usable living space.
- **Crawl space insulation can be installed in a non-vented configuration** for greater energy savings
- **Building code compliant ESR #1615.**
- **Installed by trained and highly experienced Profoam contractors.**