

EXPANDOOTHANE



Advanced Roof Coatings
Visit us at: www.expandothane.com

 **877-772-9629**

But what exactly is Expandothane?

Created in 2004, it is the #1 choice among many of the top roof coating specialists today, due to its extreme flexibility and durability.

This VOC-free Plural Component advanced roof coating is an expanding polyurea that expands 5-7 times it's sprayed volume to completely fill any existing gaps or crevices in a substrate.

The secret to Expandothane's success on the market is the micro blowing agents located deep within the membrane's chemistry which react to give the coating it's expanding power, as well as create a tight, waterproof seal. Capable of enduring extreme climate conditions , Expandothane offers a long-lasting seal, adds increased structural integrity to roofs and foundation walls, and has been tested up to the maximum impact capabilities of the Gardner Impact test (80IN.*4LBS) 320 inch pounds with no sign of breaking or cracking, making it the ideal choice for areas that experience frequent hail and extreme conditions.

Revolutionizing the Industry...

The Expandothane Roofing System is one of the most advanced high-pressure sprayed in place expanding coatings available on the market today. Proven to withstand UV damage and hail. It is perfectly complemented by a 100% silicone top coating, to form a complete waterproof roofing system for new and retrofit construction.



EXPANDOthane

ExpandoThane is the best material on the market for coating roofs. It is more durable, easier and faster to apply and **COST LESS THAN ANY OTHER POLYUREA PRODUCT!**

ExpandoThane provides superior adhesion to many substrates and provides absolute protection from water.

It withstands ponding water, and out performs acrylic, urethane, asphalt and many other coatings and holds up against harsh UV rays. Unlike any other coating, **ExpandoThane** endures extreme climate conditions.

ExpandoThane roof system is completely encapsulated.

No openings, weak seams, no penetrating fastener holes and no thermal bridging.

ExpandoThane forms a thermal blanket which controls movement (expansion and contraction) that tears apart other roofing systems.

Decades of use prove these lightweight systems deliver superior energy efficiency, with outstanding and renewable performance.

Additionally, **ExpandoThane** dries in seconds and can be walked on in minutes.



How Does It Compare to Traditional Roofing Methods?

In a cross-comparison among the leading roof coating products available, the **Expandothane** Complete Roofing System shines as the only product to offer long-lasting durability, UV resistance, weatherproofing, and affordability.

Product Features:



Saves energy by reflecting heat

Excellent adhesion and flexibility

Long-lasting waterproof seal

Excellent UV resistance

Water resistant

No VOC's



EXPANDOthane

Complete seamless, self-flashing roofing system



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-Complete encapsulated, self-flashing roofing system = No risk of failed seam leaks

-Energy Saving! Reduces roof temperatures by 30-50°F

-Added structural integrity.

-Superior weather protection in extreme conditions, including level 4 hail conditions.

-Cost installed is less than traditional installations.

-For existing buildings, minimal impact and disturbance during installation.

-Certified by multiple national testing agencies and authorities.



Capable of withstanding the maximum impact damage of the Gardner Impact Test: (80in. 4lbs).

320 inch pounds Energy Star Certified to help lower energy costs and provide UV protection.

Application Zones:

- ***Metal roofing***
- ***Modified***
- ***Bitumen BUR***
- ***Concrete***
- ***EPDM***
- ***TPO***
- ***Spray Urethane***
- ***Foundation***
- ***Walls***
- ***Waterproofing***
- ***pools***
- ***Basement***
- ***Floors and Gravel***

Recommended Equipment:

2 Component high pressure dosing Machine with recommended psi of 1,500-2000psi, and feed rate of of 30lbs per minute.





Some Common Questions

Do I need to use a top coat?

It depends on the project. For all roofing jobs we highly recommend finishing your project with our Seamless Seal Ultra Top Coat. Energy Star Certified it'll help reflect UV rays for an all around efficient roofing system. However, if you're applying Expandothane to add to the structural integrity of the foundation walls, you will not need a top coat.

What type of weather conditions can I spray in?

Assuming you're working on an outdoor project like waterproofing a pool or doing a roof job, there are some very important weather conditions you'll need to pay attention to:

- 1) **Rain:** Expandothane should not be applied until the substrate is clean and completely dry.
- 2) **Wind:** Avoid spraying Expandothane on particularly windy days (more than 12-15 miles per hour) unless you have already set up the necessary windscreen or enclosure.
- 3) **Temperature:** For Expandothane to be applied correctly the ambient temperature must not drop lower than 32 degrees Fahrenheit, while the substrate must be above 50.

What type of machinery do I need to work with Expandothane?

No matter what the application, your machinery will need to be able to reach spray pressures of 1,500-2,000 psi, with the 'A'-side heater at 155 degrees Fahrenheit and 'B'-side heater at 160 degrees Fahrenheit. These numbers are based on using a wide nozzle spray gun, please check with your Spray Equipment and Coatings representative to find out your gun's specific needs.



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APPLICATION STAGES

