

# Redefining the Building Envelope

**CERTASPRAY**  
Spray Foam Insulation

Closed Cell Foam Insulation  
for Commercial Buildings



**CertainTeed**  
SAINT-GOBAIN

# Achieve More in a Single Application

In new and existing commercial projects, CertaSpray® Closed Cell foam is the single-product solution that does more for your building envelope than any other insulating option. A single exterior application achieves a seamless layer of protection with thermal performance, air sealing, vapor protection and structural integrity. Reducing the need for separate air and vapor barriers, it keeps projects on schedule, so you can efficiently deliver a quieter, healthier and more comfortable indoor environment.



## ULTIMATE THERMAL PERFORMANCE

High R-Value per inch provides outstanding thermal performance for the life of the building, delivering superior comfort and efficiency while minimizing thermal bridging and hot and cold spots, and helping save up to 20 percent\* in heating and cooling costs.



## SEAMLESS VAPOR AND AIR BARRIER

Forms a continuous barrier that stops vapor and air, maintaining high indoor air quality, reducing the risks of moisture, allergens, pollutants and helping prevent condensation and mold.



## IDEAL FOR GREEN BUILDING PROJECTS

Excellent thermally efficient foam satisfies your LEED and green building initiative requirements.



## STRUCTURAL INTEGRITY

Rigidity provides added structural integrity to buildings and added benefit in high wind or hurricane zones.



## EXCEPTIONAL SOUND CONTROL

Create a quieter, more peaceful interior. CertaSpray forms a high density, continuous seal that stops vibrations both through materials and the air from intruding into the structure.

\* Savings vary. Learn more at [www.energystar.gov](http://www.energystar.gov).  
Higher R-Values mean greater insulating power.

## Exceptional Thermal Performance

# R-12

2 inches

## Unlimited Design Potential

Don't let worries of potential air leakage hold back the originality of your designs. CertaSpray foam easily insulates any intricate wall, roof and ceiling architectural details — expanding to fill crevices and hard-to-reach areas.

## Code Certification

Commercial fire rating specs/code compliance:

- Meets Type I, II, III, IV & V construction codes
- NFPA 285
- ACC-377 Appendix X
- Air Barrier Association of America (ABAA) — CertaSpray Closed Cell is a third-party approved Air Barrier
- GreenGuard GOLD Certified

For full specifications data, visit [www.certainteed.com/certaspray](http://www.certainteed.com/certaspray)

# A New Level of Building Performance

CertainTeed has helped shape the building materials industry for more than 100 years with the most forward-looking solutions. We are constantly seeking ways to fulfill our mission of continually strengthening your building success. This drive to innovate led us to develop a more advanced building envelope solution, with CertaSpray® Closed Cell spray foam. Its application flexibility empowers you to combine the most unique building designs with unparalleled performance — making no compromise on either.

## **CERTASPRAY CLOSED CELL SPRAY FOAM, IDEAL FOR:**

- A wide range of applications, especially commercial
- Achieving a tighter envelope in even complex building designs
- Meeting tough green building and LEED® requirements

**CERTASPRAY®**  
Spray Foam Insulation

CertaSpray can be used with a variety of substrates, for interior & exterior applications.



# Backed by Building Science Expertise

CertainTeed's Building Science experts help you achieve the highest levels of performance by taking a whole-building system perspective. We can advise you on how to create the most energy-efficient, comfortable and healthy indoor environments. We help you make the best decisions relating to heat; air and moisture flow; the building envelope; mechanical systems; regional needs; and ventilation options and requirements. You can **Be Certain** we will help you confidently select the best products and solutions for your projects.

**Call for consultation at 800-233-8990  
or visit [certainteed.com/buildingscience](http://certainteed.com/buildingscience)**





# Ideal for All Your Commercial Applications

**CERTASPRAY® IS A GREAT CHOICE FOR AN EXTENSIVE RANGE OF COMMERCIAL AND RESIDENTIAL PROJECTS**

- Adheres to most commercial building substrates, including metal, concrete and brick
- Appropriate for whole-building applications, or in combination with fiber glass
- Ideal for wood and steel stud construction
- Easily fills openings and irregular cavities

## **PLENUMS**

Insulate hard to reach areas within the building envelope, filling voids and sealing leaks.



## **INTERIOR WALLS**

Compatible with many wall types, CertaSpray delivers superior thermal, acoustic, structural, moisture and air barrier performance.





## EXTERIOR WALLS/ ENVELOPES

ASHRAE 90.1 now requires continuous insulation installed in seven of eight U.S. climate zones. CertaSpray's air sealing properties provide a continuous insulation solution that is easy to apply, and results in no thermal shorts, all while providing a superior air and moisture barrier with no extra steps.

## R-VALUE PER INCH

CertaSpray® Closed Cell Spray foam delivers an extremely high R-Value per inch compared to other insulation types, helping you maximize your envelope's thermal efficiency.

Material	R-Value (2")
<b>SPF*</b> (Spray Foam)	R-12
<b>PIR</b> (Poly Isocyanurate)	R-12
<b>XPS</b> (Extended Polystyrene)	R-10
<b>EPS</b> (Expanded Polystyrene)	R-8

\*Unlike foam boards, spray foam does not require taping.

Tested in accordance with ASTM C518 and/or C177 at 75°F (24°C) mean temperature.

Aged R-Value

Thickness (in.)

R-12

2"

R-16

2.5"

R-19

3"

R-22

3.5"

R-26

4"

R-29

4.5"

R-32

5"

R-36

5.5"

R-39

6"

## Confidently Specify CertaSpray in Your High-Performance Buildings



CertainTeed empowers you with the knowledge and product performance to achieve the greatest results when you specify CertaSpray Closed Cell foam for your building envelope.

- Continuous, flexible insulating layer means you don't have to compromise on design
- Our ongoing education opportunities, including AIA CEUs, help you knowledgeably specify CertaSpray for maximum performance; visit [www.certainteed.com/continuinged](http://www.certainteed.com/continuinged)
- Qualified CertaSpray contractors participate in a comprehensive hands-on training program, helping ensure quality installation



For every insulation challenge, there's a CertainTeed solution.



Residential Sustainable Insulation



Mold Prevention



CertaPro™ Commercial Insulation



Spray Foam Insulation



HVAC / Mechanical



Machine Works



Premium Blow-in Insulation



[ **Be Certain** ]™

You can **Be Certain** no other manufacturer offers the depth and breadth of interior and exterior building solutions, knowledge, innovation and sustainability that CertainTeed does. Our advanced, multi-product solutions optimize building efficiency, while creating beautiful, comfortable environments where people can thrive. We continue to shape the future of the building materials industry with a new generation of integrated building solutions.

That's confidence worth building on.™

**ASK ABOUT ALL OF OUR OTHER CERTAINTEED® PRODUCTS AND SYSTEMS:**

ROOFING • SIDING • TRIM • DECKING • RAILING • FENCE  
GYPSUM • CEILINGS • INSULATION

[www.certainteed.com/insulation](http://www.certainteed.com/insulation) <http://blog.certainteed.com>

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