



BENEFITS TO LAST A LIFETIME

Johns Manville is proud to manufacture a family of high-performance, high-yield spray polyurethane foam (SPF) insulation solutions that create more comfortable and energy-efficient homes.

Investing in SPF insulation has numerous, long-term, positive effects for the life of your home – whether you're building new or renovating your existing home:



Eliminate drafts and maintain the desired temperature more easily where installed



Create an exceptional air barrier that can help keep dust and pollen out of your home – a possible welcome benefit for households with allergy sufferers¹



The EPA estimates that homeowners can **save an average of 15%** on heating and cooling costs by air sealing their homes and adding insulation in attics, floors over crawl spaces, and accessible basement rim joists²



Increase the resale value of your home



Relieve noise pollution both from outside and inside the home*

Closed-cell SPF insulation provides the following additional benefits:

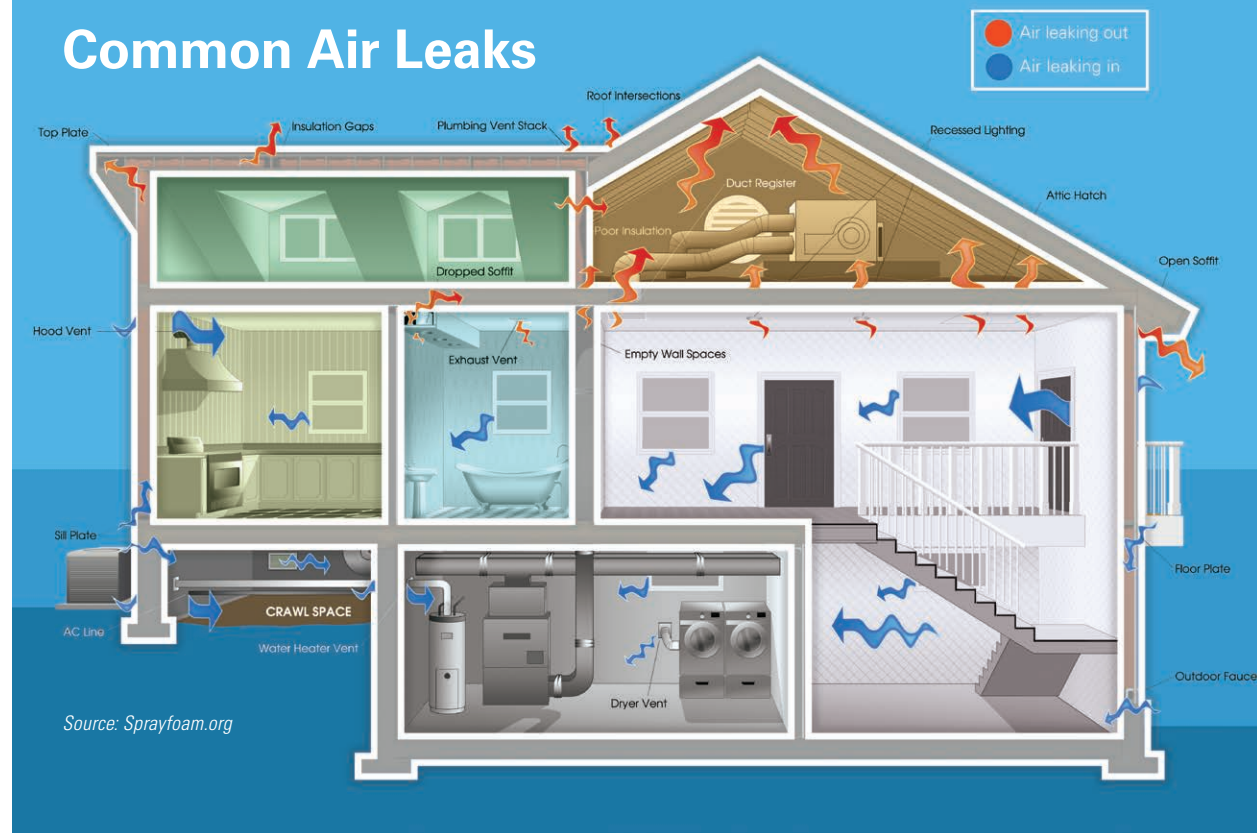


Increase structural strength whether applied to walls or as part of roofing assemblies**,³



Excellent strength and shape retention under duress**,⁴

Common Air Leaks



Source: Sprayfoam.org

BUILDERS

Using SPF in new construction has many benefits in both the short term and long term. **With JM's complete line of SPF solutions, you can:**

- Meet or exceed code with less product thickness
- Reduce construction time because spray foam fits into hard-to-reach places and can meet thermal
- Closed-cell spray foam meets thermal, water-resistive barrier, vapor barrier and air barrier requirements
- Take advantage of tax incentives, Energy Star, LEED and NAHB Green Building Certification
- Provide your homebuyer customers with the long-term benefits of SPF

ARCHITECTS

SPF allows you to design and specify cost- and energy-efficient buildings. **SPF from JM provides:**

- One of the highest R-values (per inch and in 2x4 wall) of any common home insulation
- One product to achieve an air barrier, vapor barrier and highly-effective insulation where installed*
- Higher R-values per inch to allow for increased design flexibility because it expands to fill all gaps and voids
- Stronger wall assemblies by increasing their racking strength*

BUILDING OWNERS

Low-maintenance SPF from JM can help you meet energy efficiency requirements, whether you're retrofitting an existing building or starting from the ground up:

- Reduce heating and cooling bills year-round through improved energy efficiency
- Improve the comfort of occupants by reducing drafts, noise, and dust and allergens.
- Increase the structural strength and durability of the building*
- Get equal or better results with fewer products when compared to other types of insulation
- Provide energy efficiency, durability, leak-resistance and wind protection for comfortable, draft-free homes and buildings

A wall with spray foam insulation has a

HIGHER RACKING STRENGTH

or ability to maintain its shape under duress, than a wall assembly without spray foam.⁵

A typical 2,500-square-foot home has more than a half mile of cracks and crevices.

Unsealed, about 1/3 of the air leakage in a home occurs through the floors, walls and ceilings.⁶

If each of the estimated 113 million single family homes in the United States used SPF, Americans could save up to

\$33 Billion

in energy costs each year.⁷

Closed-cell SPF insulation is **highly resistant to floodwater damage** – able to survive wetting and drying, and may be cleaned after a flood to render it free of most harmful pollutants.⁸

* Open-cell SPF Products only
** Closed-cell SPF Products only

Product Information

Advantages

Technical Information*

JM Corbond® III Closed-cell SPF

Premium closed-cell SPF insulation that offers superior thermal performance, advanced air isolation and excellent moisture control.

Meets requirements for application in unoccupied attics and crawl spaces without a prescriptive ignition barrier or coating.

Use It For: New construction, remodels, basements, commercial buildings and many other applications.

Fast, easy and adaptable, it can be applied at temperatures as low as 20°F and can achieve R-28 with only 4" of material in a 2x4 stud cavity. Sprays easily in a single pass up to 4". Multiple immediate passes, with no wait time, may also be applied up to 7" total thickness.**

As one of the most advanced insulation solutions, it offers climate isolation between indoor and outdoor environments where installed.

R-7.0 at 1"

2.0 pcf Nominal Density

JM Corbond® III Closed-cell SPF

JM Corbond® IV Closed-cell SPF

Premium closed-cell, HFO blown product delivers high R-value per inch for superior thermal performance. JM Corbond IV was designed for use in states that prohibit the use of materials with a high GWP and HFC blowing agents.

Meets requirements for application in unoccupied attics and crawl spaces without a prescriptive ignition barrier or coating.

Use It For: New construction, remodels, basements, commercial buildings and many other applications.

Provides the same advantages as JM Corbond III, but as a next generation, HFO blown spray foam. JM Corbond IV has less than two Global Warming Potential (GWP) and zero Ozone Depletion Potential (ODP). Spray easily in a single pass up to 4", or achieve up to an R-49 using JM's immediate pass method.

R-7.0 at 1"

2.0 pcf Nominal Density

JM Corbond® IV Closed-cell SPF

JM Corbond® Open-cell SPF

Lower density, nonstructural, open-cell SPF that delivers incredible yield at an excellent value while still providing important air isolation, R-value and acoustical performance.

Meets requirements for application without an ignition barrier in unoccupied and unvented attics when properly installed.

Use It For: Walls, floors, unvented and vented attics and ceilings.

Offers many of the thermal performance and installation benefits of closed-cell spray foam at a lower cost. Expands 120 times its initial volume to seal all voids, gaps and crevices to virtually eliminate any air leakage where installed. Meets alternate approval for uncoated application in unvented and unoccupied attics when installed per CCRR-1079.

R-3.8 at 1"

0.5 pcf Nominal Density

JM Corbond® Open-cell SPF

JM Corbond® Open-cell Appendix X SPF

Open-cell SPF that meets AC 377 NFPA 286 Appendix X requirements for application without an ignition barrier in attics and crawl spaces.

Use It For: Walls, floors, unvented and vented attics, ceilings, floors and crawl spaces.

Delivers incredible yield at an excellent value while still providing important air isolation, R-value. Saves installers time and money on each job because it does not require a second pass for an ignition barrier in attics and crawl spaces.

R-3.7 at 1"

0.5 pcf Nominal Density

JM Corbond® Open-cell Appendix X SPF

Connect with us:



800-654-3103



www.JM.com

1 WhySprayFoam.org/Homeowner
2 U.S. Environmental Protection Agency Energy Star, "Methodology for Estimated Energy Savings from Cost-Effective Air Sealing and Insulating"
3 Mason Knowles, "SPF Beyond Energy Insulation," Modern Materials, 2006

4 "SPF Research Report: Racking Strength," CUFA
5 WhySprayFoam.org/Building-Strength
6 Air Barrier Association of America
7 American Chemistry Council, Spray Foam Coalition

8 "Flood Damage-Resistant Materials Requirements," FEMA Technical Bulletin 2, 2008
* R-value test method: ASTM C518 (°F·ft²·h/BTU); Density test method: ASTM D1622
**See complete data sheet at www.jm.com.



SPRAY POLYURETHANE FOAM

Open- and Closed-Cell SPF

VERSATILE, PREMIUM INSULATION SOLUTIONS FOR EVERY HOME