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

Creates an exceptional air barrier that can help keep dust and pollen out of your home — a possible welcome benefit for households with allergy sufferers[1]

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 joists[2]

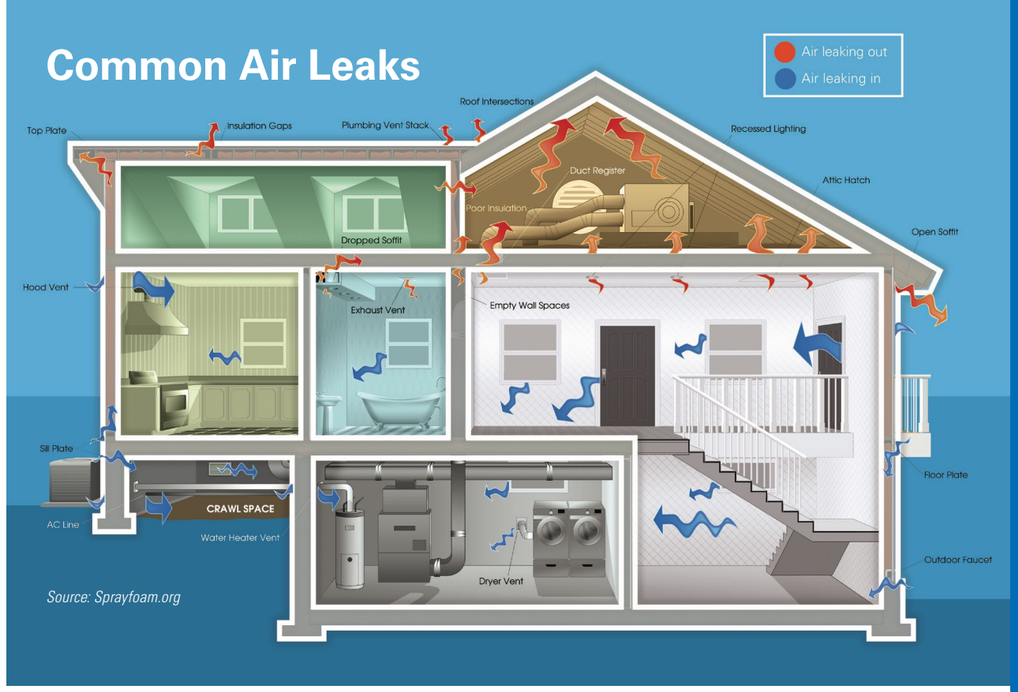
Increase the resale value of your home

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]

Increased strength and shape retention under duress*,[4]



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 be applied as a stand-alone system, without additional material and labor costs associated with sealing penetrations and wallboard seams
- 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 can allow you to design and specify cost- and energy-efficient buildings. **SPF from JM provides:**

- Highest R-value (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
- Stronger wall assemblies by increasing their racking strength*
- Design flexibility because it expands to fill all gaps and voids with an air barrier where installed, even in hard-to-reach areas

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 during both the heating and cooling seasons through energy efficiency
- Improve the comfort of occupants with fewer drafts, less noise pollution, and reduced allergens and other irritants in the air[1]
- Increase the structural strength and durability of the building*
- Use fewer products for equal or better results than using other types of insulation
- Provide energy efficiency, durability, leak-resistance and wind protection for comfortable, draft-free homes and buildings

CLICK ANYWHERE ON THIS PAGE TO RETURN to the INSULATION IDENTIFICATION GUIDE at InspectApedia.com

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]

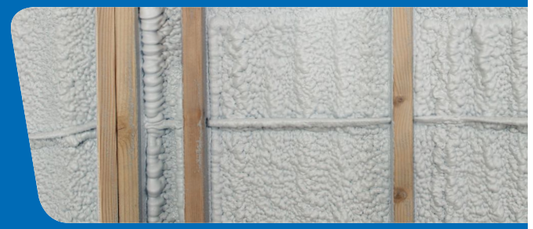
If each of the estimated 113 million single family homes in the United States used SPF, Americans could save up to

$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]

*Closed-cell SPF Products only



JM Corbond III® Closed-cell SPF

JM Corbond® Open-cell SPF

JM Corbond® Open-cell Appendix X SPF

Hybrid Solutions

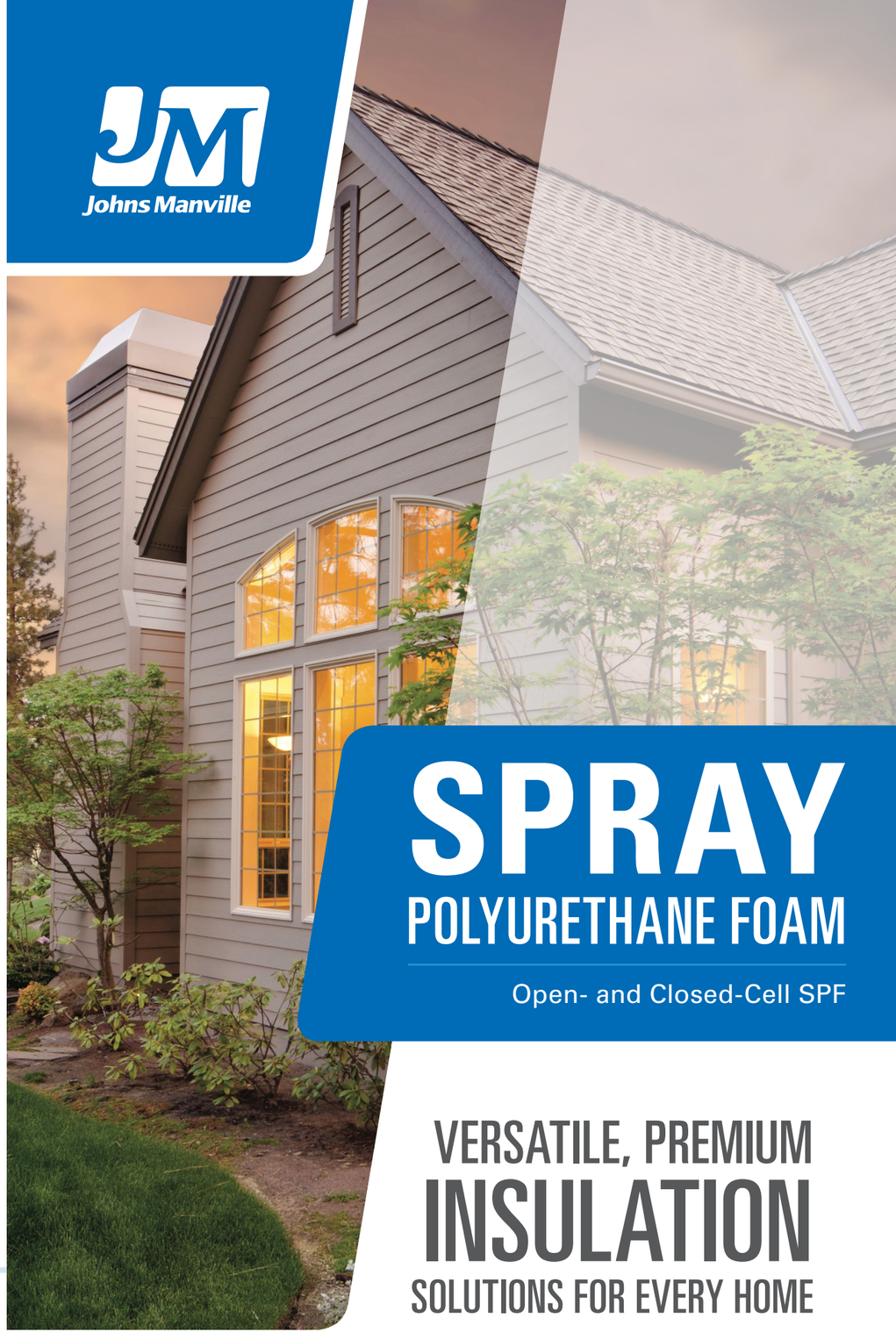
Product Information	Advantages	Technical Information*
JM Corbond III® Closed-cell SPF		
Premium closed-cell SPF insulation that offers superior thermal performance, advanced air isolation and excellent moisture control. Meets requirements for application in unoccupied attics and crawl spaces without 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-21 with only 3" of materials in a 2x4 stud cavity. Sprays easily in a single pass up to 3.5". Multiple immediate passes, with no wait time, may also be applied up to 5" 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® 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 most 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.	**R-3.8 at 1"** **0.5 pcf Nominal Density**
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 and acoustical performance. 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**
Hybrid Solutions		
Combines closed-cell SPF with JM Formaldehyde-free™ fiberglass batts or rolls, or with JM Spider® blow-in fiberglass. **Use It For:** Walls, floors, unvented and vented attics, ceilings, floors and crawl spaces, as well as commercial applications.	Provides advanced water, air, vapor, thermal and acoustical performance at a better value. Built-in air sealing and vapor control solution that fills all gaps and voids.	

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," CUFCA
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.

BID_254 0319

Johns Manville



SPRAY
POLYURETHANE FOAM

Open- and Closed-Cell SPF

VERSATILE, PREMIUM
INSULATION
SOLUTIONS FOR EVERY HOME