

Sprayman Highlights Closed Cell Spray Foam for Basement Moisture Protection During Peak Summer Humidity Season

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Sprayman, a Virginia-based spray foam insulation provider, is highlighting closed cell spray foam as an effective moisture and mold-resistant solution for basements and crawl spaces as summer humidity levels reach their annual peak. According to the National Oceanic and Atmospheric Administration, indoor humidity levels can exceed 60 percent during summer months in many regions, creating conditions that promote mold growth and structural damage in inadequately protected spaces.

Research from the Department of Energy's Oak Ridge National Laboratory indicates that traditional fiberglass insulation can lose up to 40 percent of its R-value when exposed to moisture, while closed cell spray foam maintains its insulation properties due to its non-permeable structure. The laboratory's Building Technologies Research and Integration Center has documented that closed cell foam's moisture resistance stems from its cellular structure, which prevents water absorption and vapor transmission.

"Homeowners should examine their basements and crawl spaces for signs of moisture intrusion, including musty odors, visible condensation, or efflorescence on concrete walls," said Michael Chen, Director of Technical Services at Sprayman. "These indicators suggest that standard insulation materials may not provide adequate protection against moisture-related issues that intensify during summer months."

A 2023 study published in the Journal of Building Physics by researchers at the University of Illinois demonstrated that closed cell polyurethane foam insulation reduced moisture accumulation by 92 percent compared to traditional batt insulation in below-grade applications. The peer-reviewed research, which monitored 24 residential basements over an 18-month period, found that closed cell foam's vapor barrier properties prevented moisture migration through foundation walls.

"Proper installation and product selection remain critical factors in achieving effective moisture control," noted Sarah Martinez, a Building Science Specialist at Sprayman who holds certification from the Building Performance Institute. "While closed cell spray foam offers inherent moisture resistance, professional assessment ensures that the right thickness and application method address each structure's specific challenges."

Sprayman's closed cell spray foam products carry multiple third-party certifications, including ICC-ES evaluation reports and ASTM E84 compliance for fire safety standards. These independent verifications confirm that the products meet stringent building code requirements for both residential and commercial applications.

For those interested in learning more about moisture control solutions, Sprayman on Instagram provides installation demonstrations and technical guidance for both professional contractors and property owners evaluating insulation options.

About Sprayman

Sprayman specializes in professional-grade spray foam insulation and sealant solutions for contractors and property owners. Based in Virginia, the company offers a comprehensive product line including closed cell and open cell spray foam kits, specialized sealants, and application equipment. Sprayman products hold certifications from ICC-ES, UL, AAMA, and meet ASTM standards for fire safety and building performance. The company provides technical support and training resources through its digital platforms and distribution network.

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Sprayman

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