

Huntsman Building Solutions Announces HEATLOK® HFO Pro Spray Polyurethane Foam Completes NFPA 285 Fire Testing

*Closed Cell Spray Foam Now Certified for Use with Aluminum, Metal, Brick, Stone and
Masonry Wall Assemblies*

The Woodlands, TX (March 29, 2021) – Huntsman Building Solutions, a global leader in high performance, sustainable building envelope solutions, today announced that its HEATLOK® HFO Pro Closed Cell Spray Polyurethane Foam insulation has successfully completed NFPA 285 fire testing for metal and aluminum wall assemblies. HEATLOK HFO Pro is a professionally spray-applied continuous insulation solution which now passes the NFPA Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components.

“HEATLOK HFO Pro spray foam acts as a combined air barrier, vapor retarder, water barrier and thermal insulator in one,” says Doug Brady, vice president of global innovation and product management for Huntsman Building Solutions. “Already a standout insulation system that optimizes the building envelope, it now boasts this key fire safety certification which will undoubtedly advance its marketability even further among builders, architects, contractors and building owners.”

The NFPA 285 testing provides a method for determining the combustibility characteristics of exterior non-load bearing wall assemblies. The testing is intended to evaluate the combustible components within the wall and simulates a multi-story fire performance for an entire wall assembly. Testing of the HEATLOK HFO Pro applied with metal wall panels was conducted by Intertek Labs in York, Pennsylvania and testing for the spray foam applied with aluminum wall panels was completed by NTA, Inc. in Bryan, Texas.

In both labs and with both sets of wall panels, the spray foam was tested and passed all scenarios. The metal panel, in particular, was tested at a two-inch and three-inch applied thickness, passing without a thermal barrier coating on top of the foam. This is a result that many manufacturers have tried to achieve without succeeding. Without the need for an additional thermal barrier coating behind metal panels, HEATLOK HFO Pro reduces the cost of the wall assembly compared to other brands of SPF and saves one step on construction sites.

Prior to this most recent testing, HEATLOK HFO Pro had already passed NFPA 285 testing for use with brick, stone and masonry exteriors.

HEATLOK HFO Pro may now be installed with various types of commonly installed cladding on many different types of construction without any building height limit. This gives freedom to the design community to use the many advantages of spray foam insulation on a broader range of buildings and assemblies. See [IAPMO report 565](#) for specific assembly requirements.

In addition to its fire certification, the HEATLOK HFO Pro spray foam system offers a number of key additional performance attributes and benefits. Offering an R-value of 7.4 at 1-inch installed thickness and an R-value of 11 at 1.5-inch installed thickness, the 2.2-pound spray foam notably provides a higher yield. Providing superior adhesion and compressive strength, the solution is a Class II vapor retarder at 1-inch thickness and exceeds ASHRAE 90.1 continuous insulation requirements at 1.5-inch thickness. The product is also ABAA certified.

“HEATLOK HFO Pro is also one of our spray foam systems which leverages the industry’s newest generation blowing agent,” adds Brady. “The significance of this cannot be overstated as it lowers the product’s global warming potential down to a level of 1, or 99.9% lower than traditional spray foams. Thus, it meets the goals of the Montreal Protocol, which is aimed at both stopping industry and human depletion of ozone as well as global warming.”

Additional Huntsman Building Solutions HFO-based solutions, which like HEATLOK HFO Pro also benefit from the new environmentally-friendly blowing agent technology, include: FOAM-LOK spray foam insulation, FOAM-LOK spray foam roofing and the company’s newly reformulated Pour-in-Place Foams.

To explore HEATLOK HFO Pro and Huntsman Building Solutions’ complete suite of energy efficient building solutions, visit www.huntsmanbuildingsolutions.com. Join the company on [Twitter](#), [LinkedIn](#), [Facebook](#), [Instagram](#) and [YouTube](#).

About Huntsman Building Solutions:

The Huntsman Building Solutions business is a global leader in high-performance, sustainable building envelope solutions. Its systems and solutions are widely utilized to optimize commercial and residential structures worldwide in both new construction and retrofit applications. Formed in 2020 with the acquisition of Icynene-Lapolla and its combination with Demilec, the Huntsman Building Solutions business capitalizes on legacy industry technologies, environmental stewardship and the power of the Huntsman brand.

About Huntsman:

Huntsman Corporation is a publicly traded global manufacturer and marketer of differentiated and specialty chemicals with 2020 revenues of approximately \$6 billion. Our chemical products number in the thousands and are sold worldwide to manufacturers serving a broad and diverse range of consumer and industrial end markets. We operate more than 70 manufacturing, R&D and operations facilities in approximately 30 countries and employ approximately 9,000 associates within our four distinct business divisions. For more information about Huntsman, please visit the company's website at www.huntsman.com.

