

NEWS RELEASE

FOR IMMEDIATE RELEASE

Avient Launches Industry-First Thermoplastic Composite Panels with Integrated Flame Retardance for Simplified Construction at NAHB International Builders' Show

LAS VEGAS — February 17, 2025 — Today, Avient Corporation, an innovator of materials solutions, announced it will highlight its comprehensive portfolio of advanced composite technologies, including its new Hammerhead™ FR Flame Retardant Composite Panels, at the National Association of Home Builders (NAHB) International Builders' Show (IBS) in Las Vegas, Nevada, from February 24 to 26.

Avient's Hammerhead FR Flame Retardant Composite Panels are an industry-first, patent-pending thermoplastic composite sandwich structure featuring integrated flame retardance that can eliminate the need for additional FR sheets or coatings. They can be used in modular construction walls, flooring, and ceilings and can replace gypsum, drywall, and framed assemblies with a consolidated, lightweight, structural solution. Available in large formats up to 10 feet wide and nearly unlimited lengths, they can help to significantly reduce typical carpentry and installation time and costs.

Offering the beneficial inherent properties of thermoplastic composites, Hammerhead FR panels can resist rot and degradation from moisture, chemicals, ultraviolet (UV) light, and corrosion, and they can bond easily to other materials with strong adhesive properties and paintable surfaces. The panels also meet ASTM E84 Class A standards for flame spread and smoke density and passed NFPA 286 corner room burn testing.

"With modular construction emerging as a faster and more efficient building method, our Advanced Composites team identified an opportunity to bring the benefits of thermoplastic composite sandwich panels — well-known to our transportation and marine customers — into this space," said Mike Mosley, General Manager of Advanced Composites at Avient. "Through the collaboration of a cross-functional team, we harnessed Avient's materials science and product development expertise to develop and incorporate proprietary flame retardant technology into the panel material formulation. We are excited to introduce this groundbreaking innovation at the International Builders' Show."

Avient will also feature its full portfolio of composite materials at the show that can help reduce weight, streamline installation and production, and add strength and functionality to building and construction projects, including:

- **Polystrand™ Thermoplastic Composites:** for decking, lumber, flooring, structural reinforcement, and more
- **GlasArmor™ and ThermoBallistic™ Ballistic Resistant Panels:** for residential and commercial protection against projectiles, such as bullets and explosive fragments
- **Glasforms™ Pultruded Rods, Tubes & Custom Profiles:** for concrete reinforcement, infrastructure repair, and more

Avient will exhibit at [NAHB IBS 2025](#), from February 24 to 26, in booth C9239, located in the Central Hall of the Las Vegas Convention Center. Avient is a proud sponsor of the Building Systems Council Lounge in the North Hall at N242 and will display Hammerhead FR Flame Retardant Panels in the New Product Zone located in the Central Hall at C1260.

Explore Avient's website for [Hammerhead FR Flame Retardant Composite Panels](#), [Polystrand Thermoplastic Composites](#), [Ballistic Resistant Composite Panels](#), and [Glasforms](#) Pultrusions to learn more.

About Avient

Our purpose at Avient Corporation (NYSE: AVNT) is to be an innovator of materials solutions that help our customers succeed, while enabling a sustainable world. Our local touch and customer engagement, combined with our global presence, allows us to serve customers with agility. We harness the collective strength of 9,000 employees worldwide to collaborate and build on each other's ideas. In doing so, we innovate solutions that help our customers overcome their challenges or capitalize on opportunities provided by the fast-changing world and secular trends. Our expanding portfolio of offerings includes colorants, advanced composites, functional additives, engineered materials, and Dyneema®, the world's strongest fiber™. By intersecting our broad portfolio of technologies with the product roadmaps of our customers, we help create differentiated and high-performance products that make the world better and more sustainable. Visit www.avient.com to learn more.

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Avient will feature its new Hammerhead™ FR Flame Retardant Composite Panels and its portfolio of advanced composite technologies at The NAHB International Builders' Show (IBS) in Las Vegas.

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