April 15, 2026

FOR IMMEDIATE RELEASE

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Bloomsburg, PA, USA—SEKISUI KYDEX Introduces Eco-friendly Material Innovation at AIX 2026, KYDEX® ECO™ 6565HI on Display at Stand 5D40.

As sustainability shapes brand identity, passenger experience, and procurement strategy, OEMs and CMF designers are seeking partners who deliver tangible, data-backed solutions. At AIX 2026, SEKISUI KYDEX invites the community to explore materials that move the industry forward, responsibly.

Sustainable materials are integral to aviation interiors, and designers are faced with a critical challenge: achieving environmental progress without compromising safety, certification, or aesthetic intent. In response, SEKISUI KYDEX has developed KYDEX® ECO™ 6565HI, a patent-pending next-generation thermoplastic engineered through comprehensive Life Cycle Assessment (LCA) data to deliver meaningful environmental improvements while meeting the industry's most stringent standards.

Purpose-built for aviation interiors, KYDEX® ECO™ 6565HI exceeds low heat release requirements and is suitable as a stand-alone material or within bonded constructions. The formulation is designed to provide controlled deformation in Head Injury Criterion (HIC) applications, supporting enhanced passenger safety in impact-critical zones.

By leveraging renewable raw materials and eco-conscious alternatives, KYDEX® ECO™ 6565HI achieves:

- 8% reduction in Global Warming Potential (GWP)
- 195% lower acidification potential compared to KYDEX® 6565 and KYDEX® 6565HI

Designed for Performance. Engineered Responsibly. KYDEX® ECO™ 6565HI offers:

- Proprietary antimony-free formulation supporting greater sourcing stability
- 100% recyclable
- Enhanced mechanical performance and impact resistance for HIC-critical applications
- Compliance with FAR 25.853 (a) and (d), including 65/65 heat release and 180 smoke development
- Conformance to REACH, ROHS, and Prop 65
- Infused Imaging™, custom color development, and decorative textures available

The material also meets FAA policy requirements that allow color substantiation for integrally colored thermoplastics, empowering CMF designers to maintain aesthetic intent without additional coatings or compromises. Kellie Walter, Aviation Market Business Manager, added: “This milestone reinforces our commitment to passenger safety and sustainable innovation while giving designers the flexibility to create without limits.”

“Sustainability must be measurable,” said Sean Stabler, Vice President of Innovation at SEKISUI KYDEX. “By combining decades of formulation expertise with verified Life Cycle Assessment data, we’ve developed a solution that supports environmental goals while meeting rigorous FAA performance standards.”

Visitors to SEKISUI KYDEX stand 5D40 at AIX will experience the full capabilities of the KYDEX® Thermoplastics portfolio and how sustainability, performance, and design freedom can coexist, all powered by measurable data.

About SEKISUI KYDEX

KYDEX® Thermoplastics is globally recognized as a leader in sustainable, high-performance specialty polymers for aviation interiors. Our compliant portfolio integrates refined finishes, custom color, advanced textures, and proprietary Infused Imaging™ technology to enhance the passenger experience.

More than a material supplier, SEKISUI KYDEX is a collaborative innovation partner. Through our designLab® and appLab™ Innovation Centers, we help bring concepts to life, balancing form, function, and environmental responsibility from concept through certification.

For more information, visit stand 5D40 or www.kydex.com.

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Images available for download here: https://sekisui-spi.sharefile.com/public/share/web-sc314f13f4f164f85b41c3fb109185885

Image Captions:

- KYDEX® ECO™ 6565HI