



## When We Collaborate... The Sky's the Limit.

The KYDEX® Thermoplastics brand is recognized by designers, engineers, and OEMs as a leader in specialty polymers for aviation interiors. From flight deck to tail, our complete portfolio provides fully-compliant materials with excellent mechanical properties and a refined degree of integral finish and color for an enhanced passenger experience. Our experts will guide you through material selection, design, and delivery.

Applications include:

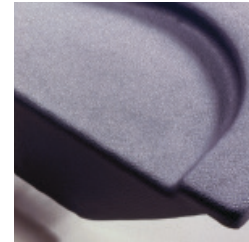
- Seatbacks and Seat Components
- Sidewall Panels and Partitions
- Monuments and Lavatory Surfaces
- And More... wherever your imagination takes you

### Why KYDEX® Thermoplastics?

SEKISUI SPI was one of the first thermoplastic sheet manufacturers to develop materials for the specialized flame, smoke, and heat release requirements of commercial aviation interior components. We continue to challenge how to think, design, and create as a master supplier with our collaborative process, innovative R&D solutions, and exceptional technical support.

SEKISUI SPI's versatile, design-forward materials provide a wide range of options for a cohesive design and personalized fit and finish throughout the cabin. Integral color, effect, and imagery keep parts looking new, longer.

- Virtually limitless color possibilities
- Pearlescent and metallic effects
- Fully-compliant portfolio
- Refined aesthetics
- Durable
- Lightweight
- Low MOQs
- Chemical resistant
- Just in Time Delivery (JIT)
- Same day/next day delivery
- Short lead times
- Cut to size
- Durable
- Local Inventory
- Easy to fabricate



**Our R&D, FSTLab™, designLab®, and Technical Service Teams are ready to work with you to meet the industry's most challenging demands in these applications:**

#### **Seat components**

Seatbacks, armrests, tray tables, IFE bezels, kick panels, partitions

#### **Cabin components**

Wall, ceiling, and kick panels, passenger service units, monuments, dividers

#### **Lavatory surfaces**

**Galley surfaces and components**

## KYDEX® Thermoplastics for Aviation Interiors

A complete portfolio of fully-compliant thermoplastic sheets from flight deck to tail.

		Product	FAR 25.853 (a)	FAR 25.853 (d) Part IV	FAR 25.853 (d) Part V	AIRBUS ABD-0031	BOEING BSS-7239	Application
Infused Imaging™	Solid Integral Colour	<b>KYDEX® FST2</b> Fully compliant, advanced polymer	■	■	■	■	■	Intended for applications where heat release, flame, smoke, & toxicity requirements are needed.
		<b>KYDEX® 7200ST</b> Smoke and toxicity compliant	■		■	■	■	Intended for applications where only flame, smoke, & toxicity requirements are needed (not heat release).
		<b>KYDEX® 6565</b> Low heat release	■	■	■			Intended for passenger facing parts that need to meet flame, heat, & smoke requirements.
		<b>KYDEX® 6565HI</b> Low heat release, high impact	■	■	■			Intended for passenger facing parts that need to meet flame, heat, & smoke requirements. Specifically designed to help with applications that are sensitive to HIC requirements (Head Injury Criteria).
		<b>KYDEX® 5555</b> Extreme-low heat release	■	■	■			Intended for passenger facing parts that need to meet flame, heat, & smoke requirements. Specifically designed to provide lower heat and smoke release values to support bonded build-up parts.
		<b>KYDEX® 4545</b> Ultra-low heat release for bonded build-ups	■	■	■			Intended for passenger facing parts that need to meet even lower flame, heat, & smoke requirements. Specifically designed to provide lower heat and smoke release values to support bonded build-up parts.
		<b>KYDEX® T</b> Vertical burn compliant	■					Used in smaller parts that only need to meet flame requirements.
	<b>KYDEX® T-LW</b> 10% weight savings	■					A lighter weight version of KYDEX® T, used in smaller parts that only need to meet flame requirements.	
	Integral Effect	<b>KYDEX® 6503</b> Pearlescent low heat release	■	■	■			Intended for passenger facing parts that need to meet flame, heat, & smoke requirements. Has an integral pearlescent effect.
		<b>KYDEX® 6523HI</b> Pearlescent low heat release, high impact	■	■	■			Intended for passenger facing parts that need to meet flame, heat, & smoke requirements. Specifically designed to help with applications that are sensitive to HIC requirements (Head Injury Criteria). Has an integral pearlescent effect.
<b>KYDEX® 6513</b> "FROST" low heat release		■	■	■			Intended for passenger facing parts that need to meet flame, heat, & smoke requirements. Has a "FROST" effect and transitional pigment.	
<b>KYDEX® 110</b> Vertical burn compliant		■					Used in smaller parts that only need to meet flame requirements. Has an integral metallic effect.	

### Connect with SEKISUI SPI

Given the scale and complexity of aviation interior projects, we understand you can't afford to waste time or material. We are here to help with our high-performance thermoplastics, and our knowledgeable and collaborative team of experts.

Reimagine the possibilities, call **800.325.3133** or email us at [info@sekisui-spi.com](mailto:info@sekisui-spi.com) today!

