

SPECIALTIES

A “BRAND” NEW CONCEPT IN CLASS DIVIDERS

AIRCRAFT INTERIORS CASE HISTORY



APPLICATION

Integrated bin design with class divider panel

KEY CHALLENGE

Need for a next generation design-enabling material that meets FAA regulatory standards for flame, smoke, and OSU 65/65 performance

END CUSTOMERS

Major airlines seeking solutions for new builds or retrofits

SOLUTIONS

SABIC JET PANEL™ laminate, with custom effects using LEXAN™ XHR2000 sheet as the substrate.

TIER SUPPLIER

Zodiac Aerospace

RESULTS

Distinctive, customizable design for an integrated storage bin/class divider system that optimized cabin space for additional seating and stowage.

CHALLENGE

Zodiac Aerospace, a key supplier to major airlines, was seeking a transparent, durable material capable of achieving their vision for an innovative bin design, incorporating storage with a class divider panel.

SOLUTION

SABIC’s JET PANEL sheet, a design-enabling transparent material based on the 2015 Crystal Cabin Award-winning LEXAN XHR2000 sheet. JET PANEL sheet was selected by Zodiac Aerospace specifically because the solution:

- Enabled Zodiac Aerospace’s design, which eliminated the need for a floor to ceiling class divider panel. The new design created room for an additional row of seats and expanded bin space, both important to Zodiac Aerospace’s airline customer.

SOLUTION (CONTINUED)

- Offers 80% light transmission, which supports a light-filled cabin environment, enhancing the passenger experience.
- Enables airlines to achieve greater brand differentiation by allowing printing, texture, laminating, 3D thermoforming, color, and digital graphic processing to achieve one-of-a-kind looks for custom branding.
- Facilitates the design of large transparent components such as security partitions and oversized windows.
- Complies with FAR 25.853 regulations for flame/smoke/toxicity and OSU 65/65 for heat release.
- Provides durability and chemical resistance to cleaning products.
- Helps to enhance passenger safety and security, due to its transparency/translucency.

RESULTS

- SABIC's material innovation has led to breakthrough design and branding opportunities for Zodiac Aerospace and its airline customers.
- Zodiac Aerospace has enhanced the services provided to its customers. The company is viewed as a creative, innovative supplier, one that is bringing exciting new solutions to the airlines, including this integrated storage bin/class divider panel for new aircraft builds and retrofits.
- The industry is taking a new approach to class dividers, moving toward thermoplastic solutions as a replacement for traditional fabric class dividers.

FURTHER INFORMATION

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