

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

WEBSITES

www.sabic.com

CONTACT US

MIDDLE EAST AND AFRICA

T +966 (0) 1 225 8000
E info@sabic.com

AMERICAS

T 1 800 845 0600 (toll-free)
T 1 413 448 7110
E productinquiries@sabic.com

EUROPE

T +31 164 292911
E webinquiries@sabic.com

ASIA PACIFIC

T +86 21 2037 8188
E asiaproductinquiries@sabic.com

MEDIA INQUIRIES

E media.inquiries@sabic.com

DISCLAIMER: THE MATERIALS, PRODUCTS AND SERVICES OF SAUDI BASIC INDUSTRIES CORPORATION (SABIC) OR ITS SUBSIDIARIES OR AFFILIATES ("SELLER") ARE SOLD SUBJECT TO SELLER'S STANDARD CONDITIONS OF SALE, WHICH ARE AVAILABLE UPON REQUEST. INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS DOCUMENT ARE GIVEN IN GOOD FAITH. HOWEVER, SELLER MAKES NO EXPRESS OR IMPLIED REPRESENTATION, WARRANTY OR GUARANTEE (i) THAT ANY RESULTS DESCRIBED IN THIS DOCUMENT WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN OR APPLICATION INCORPORATING SELLER'S MATERIALS, PRODUCTS, SERVICES OR RECOMMENDATIONS. UNLESS OTHERWISE PROVIDED IN SELLER'S STANDARD CONDITIONS OF SALE, SELLER SHALL NOT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS, SERVICES OR RECOMMENDATIONS DESCRIBED IN THIS DOCUMENT.

Each user is responsible for making its own determination as to the suitability of Seller's materials, products, services or recommendations for the user's particular use through appropriate end-use and other testing and analysis. Nothing in any document or oral statement shall be deemed to alter or waive any provision of Seller's Standard Conditions of Sale or this Disclaimer, unless it is specifically agreed to in a writing signed by Seller. Statements by Seller concerning a possible use of any material, product, service or design do not, are not intended to, and should not be construed to grant any license under any patent or other intellectual property right of Seller or as a recommendation for the use of any material, product, service or design in a manner that infringes any patent or other intellectual property right.

SABIC and brands marked with TM are trademarks of SABIC or its subsidiaries or affiliates.
© 2016 Saudi Basic Industries Corporation (SABIC). All Rights Reserved.
