

ADVANCED FOAM
TECHNOLOGY FOR THE
**AVIATION AND
AEROSPACE**
INDUSTRY



AZOTE®
high performance
polyolefin foams



ZOTEK®
advanced
polymer foams

Aviation and Aerospace

Zotefoams supply technologically advanced foam materials that provide solutions to meet the unique demands of civil, business and military aviation and aerospace.

Our closed-cell, moisture-resistant foams are lighter and purer than other foams with similar physical properties and many of our grades are simply in “a class of their own” in terms of composition and performance attributes.



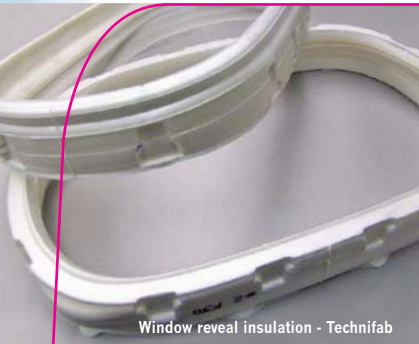
AZOTE® FOAMS

AZOTE® flame retardant polyolefin foams have a long history of use in aviation applications. Plastazote foams are used in many airframe applications such as insulation, window gaskets and water cooling systems where their physical properties are highly valued.

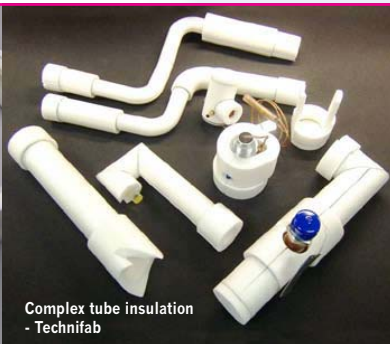
The low-density, closed cell nature of these foams also allows significant weight reduction in seat cushions. Additionally, they are used to provide buoyancy or support in crucial areas of seat cushions, improving both comfort and durability. Plastazote foams are also used to provide soft-touch and energy management around seating areas, applications that include foam-backed fabrics used around superior seating, seat armrests and crash pads on the rear of headrests.



ZOTEFOAMS
THE FOAM TECHNOLOGISTS



Window reveal insulation - Technifab



Complex tube insulation - Technifab



Moulded valve cover - Technifab



Boeing 787 window mount - Technifab

These foams are also used in tool control inserts, to help eliminate tool FOD (Foreign Object Debris) damage, as well as for flight case interiors.

ZOTEK® FOAMS

ZOTEK® foams are the product of intensive research and development that has pushed the boundaries of Zotefoams' unique, nitrogen saturation, manufacturing technology. Like our AZOTE® foams they also have a closed cell structure but are based on high performance engineering polymers such as PVDF and Polyamide, giving them a range of desirable attributes.

ZOTEK® F foams have gained fast acceptance by major aircraft manufacturers for a wide range of applications from ducting to window seals, pipe insulation to soft trim for seating and low FST core for composite and divider panels.

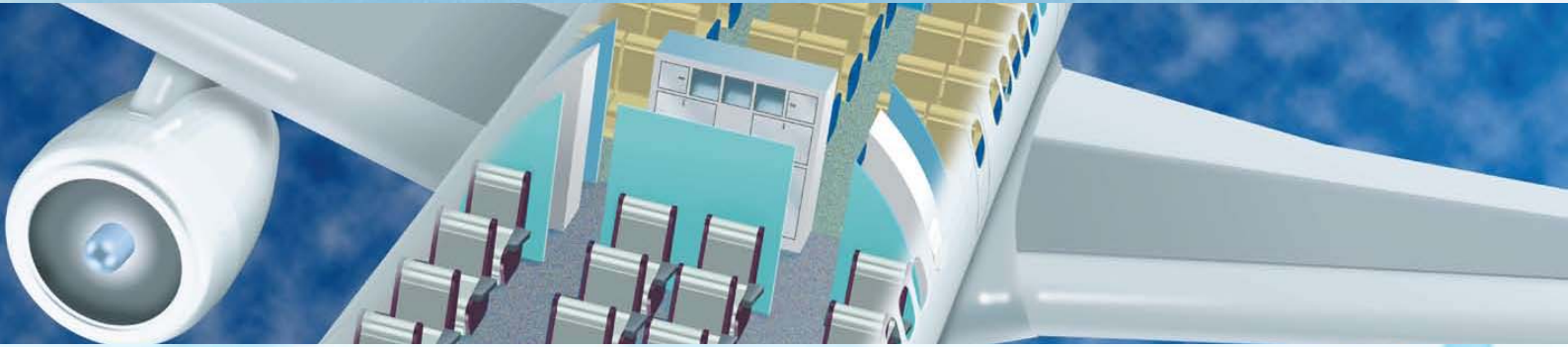
Based on Kynar® PVDF, these materials exhibit excellent UV resistance, and offer robust OSU* 65/65 smoke, flame and toxicity compliance. They may be used in conjunction with other materials, such as leathers, that generally exhibit higher OSU values, where 'average' results for material combinations need to be achieved.

ZOTEK® F grades are thought to be the first and only material of their type to meet the Radiant Heat Panel test FAR 25.856 (a) App F Pt VI and have low smoke density, low toxic gas emission as well as low heat release.

Being crosslinked, both AZOTE® and ZOTEK® F foams can be thermoformed into both simple and complex shapes.

Where there is need for insulation, sealing, damping, soft-touch or even flotation buoyancy, a Zotefoams lightweight foam solution will help you fly further and safer.

* OSU: The Ohio State University test method to determine the total and release rate of heat from materials, products, or assemblies during combustion.



FOR MORE INFORMATION PLEASE VISIT WWW.ZOTEFOAMS.COM
SEE ZOTEK AND AZOTE MATERIALS ON MAPTIS-II WORLDWIDE SPACE AGENCY DATABASE

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AZOTE® is the group brand for a variety of foams manufactured from differing base polymers but using the same unique process route.
ZOTEK® is the group brand for foams manufactured from high performance polymers.
KYNAR® is a registered trademark of ARKEMA

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