



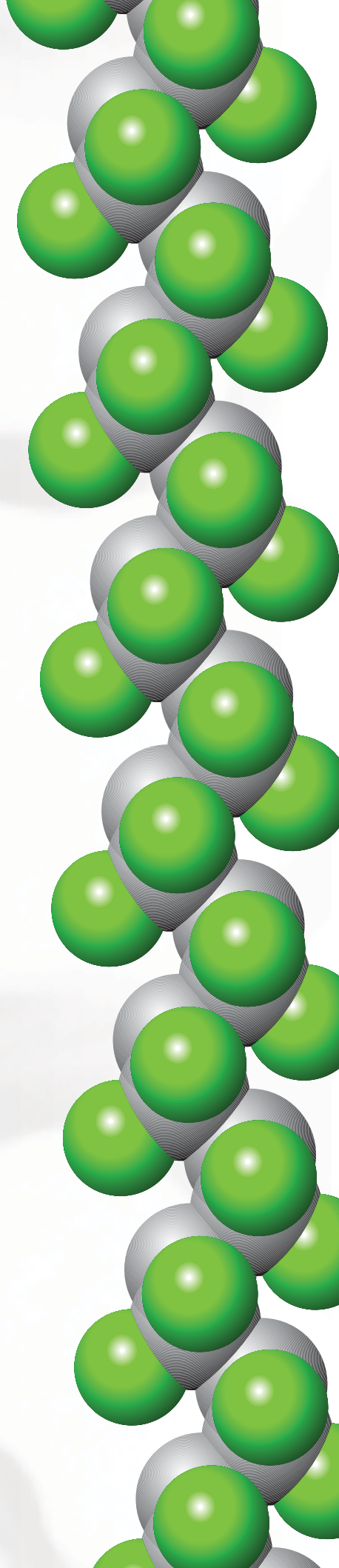
ZOTEK® F
HIGH PERFORMANCE PVDF FOAMS
For Aviation and Aerospace



Taking
foam
technology
to a
new level



ZOTEFOAMS





ZOTEK® F

HIGH PERFORMANCE PVDF FOAMS

For Aviation and Aerospace

ZOTEK F is a range of lightweight, cross linked, closed cell foams based on Kynar® PVDF Fluoropolymer (poly vinylidene fluoride) with densities ranging from 30 kg/m³ (1.9 pcf) upwards.

The combination of smoke, toxicity and flame performance makes ZOTEK F foam an ideal material for a wide selection of thermal and acoustic insulation, damping and sealing applications in the aerospace and aviation industries.

FIRE, SMOKE & TOXICITY (FST)

ZOTEK F foams are inherently fire retardant, low smoke, low heat release materials. ZOTEK F30 has been successfully subjected to testing using several aviation standards including the Radiant Heat Panel Test, both alone and in combination with adhesive.

MOISTURE RESISTANT

Many foams with good FST characteristics have open cell structures and must be used either with process skin intact or sealed within other materials to prevent moisture ingress. Being closed cell, ZOTEK F is highly resistant to moisture ingress and does not need to be hermetically sealed before use.

LOW WEIGHT

The majority of closed cell foams that have acceptable FST properties are of high density, preventing their use in aircraft applications. ZOTEK F is available at densities down to 30kg/m³ (1.9 pcf), 1/60th of the solid resin.

UV STABLE

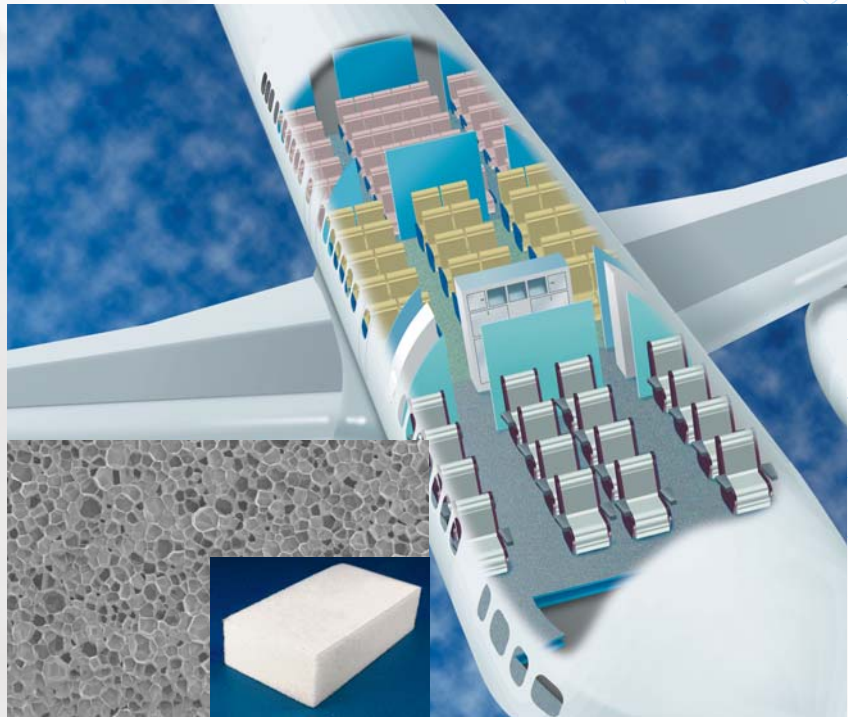
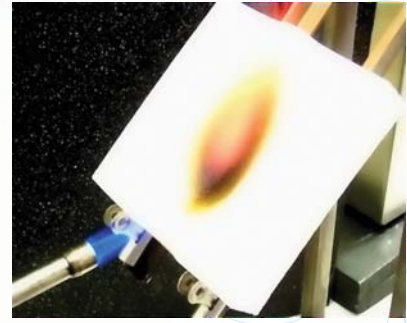
ZOTEK F is unaffected by UV light and can be used in exposed areas of the aircraft and cockpit without fear of degradation.

VERSATILE

ZOTEK F can be used in a wide variety of applications ranging from galley and hot-box insulation, through seating and soft trim, to air duct insulation, panel to fuselage sealing, damping and gaskets...

FST PERFORMANCE

Property	Test Method	ZOTEK F30 Test Results
Heat Release	FAR/CS 25.853(d) Appendix F Pt IV	Pass at 1/8" and 1/2"
Smoke Density	FAR/CS 25.853(d) Appendix F Pt V	Pass at 1/8" and 1/2"
Smoke Density	ABD0031 para. 7.3.2	Pass at 1/8" and 1/2"
Toxic Gas Emission	ABD0031 para. 7.4	Pass at 1/8" and 1/2"
Vertical Bunsen Burner	FAR/CS 25.853(a) App F Pt I (a), (1), (ii)	Pass at 1/8" and 1.2"
Radiant Heat Panel	FAR 25.856(a) App F Pt VI	Pass at 1/8" and 1.2"



in fact, wherever a fire retardant, conformable, lightweight, chemically resistant, insulative material is required.

This compressible foam is suitable for applications requiring good thermal and acoustic insulation.

EASY TO PROCESS

ZOTEK F can be bonded to other soft-touch surface materials used in aviation and can be coated to improve scratch resistance in

overt applications such as seat arms. It can be easily fabricated by conventional foam fabrication techniques, can be converted into self adhesive tapes and, being cross-linked, can be readily thermoformed into simple or complex shapes.



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ZOTEFOAMS plc, 675 Mitcham Road, Croydon CR9 3AL, UK. Telephone: +44 (0) 20 8664 1600 www.zotefoams.com



KEWELL CONVERTERS LTD (APPROVED SPECIALIST CONVERTERS)

60 Holmethorpe Avenue, Holmethorpe Industrial Estate, Redhill, Surrey, RH1 2NL England

Tel: 01737 771 710 Fax: 01737 769 732 e: sales@kewell-converters.co.uk w: www.kewell-converters.co.uk

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