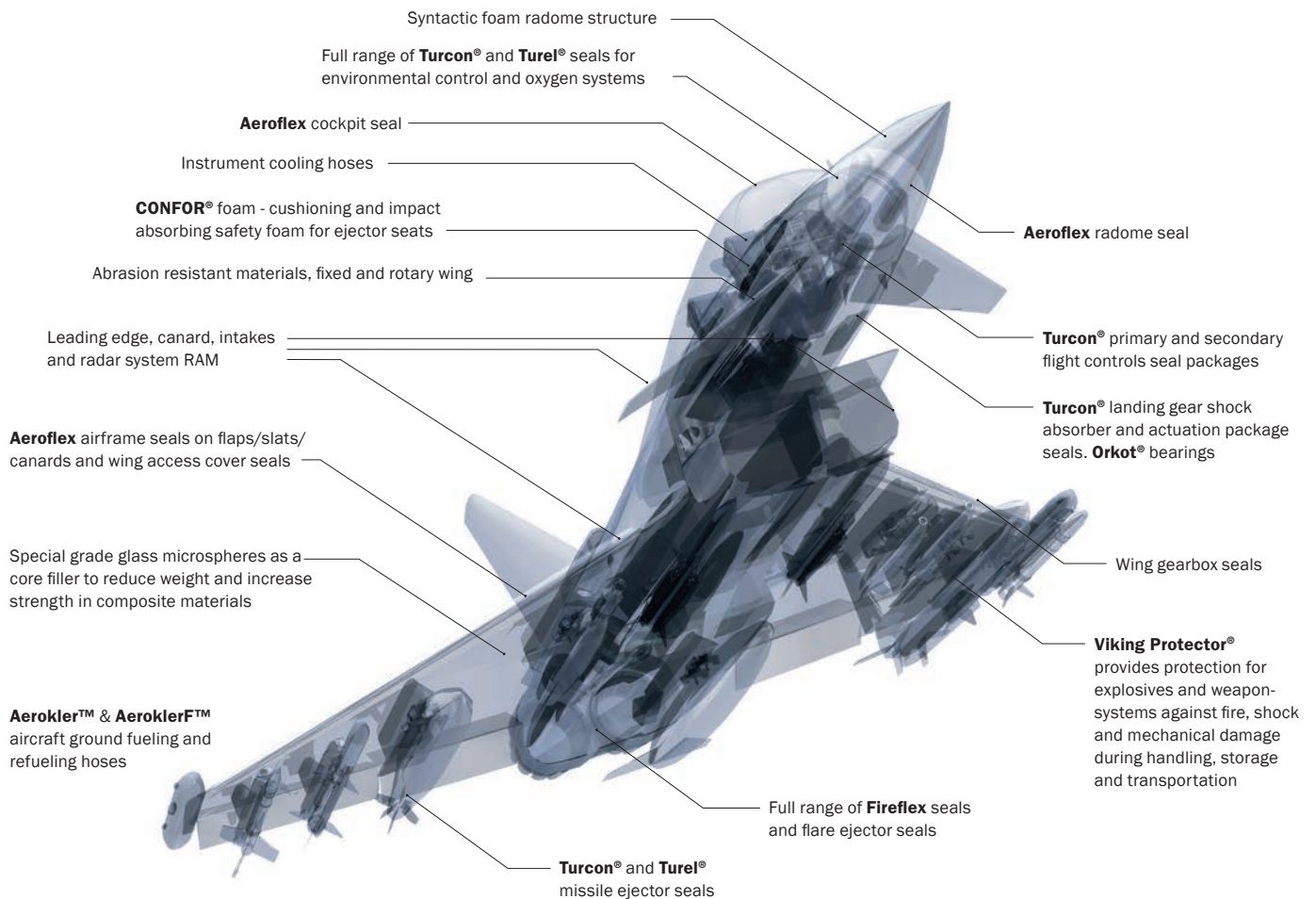


Product applications

Air

Image: Courtesy of BAE Systems



Accelerating performance in a wide range of defense applications

As a world leader in engineered polymer solutions, Trelleborg is able to seal, damp and protect critical applications in demanding environments. Our innovative solutions are designed to accelerate our customers' performance in many different ways – from improving functionality to increasing productivity. Trelleborg is able to provide tailored solutions using proven materials and technologies to meet the defense needs and requirements. For more information please contact your Trelleborg representative.

Hose Systems – Trelleborg's Aerokler™ and AeroklerF™, aircraft ground refuelling hoses for kerosene or petroleum fuel, are light weight, flexible and abrasion resistant hoses.

Lightweight Syntactic Composite Materials – Trelleborg supplies a broad range of aerospace grade, high purity, light weight glass and ceramic microspheres with uniform wall thicknesses and consistent sized distributions that can be tailored to requirements. New-generation microspheres are being manufactured to improve flame retardation in composite compounds, reduce the detectability of aircraft by radar, protect delicate electronic components, decrease vibration in jet engines and reduce paint weight.

Passive Fire Protection – Protecting people, structures and equipment from all types of fire in this extreme environment is paramount to ensuring on-board safety. Trelleborg's certified rubber based passive fire protection technology, protects structures from chemicals, fires and corrosion. The dampening, noise reducing flexible nature of Firestop™ protects equipment from vibrations, collisions and explosions. Firestop™ material is used in Viking Protector™, fire protection for lockers and tailored solutions.

Radar Absorbent Material - Trelleborg's RAM can be applied to a platform in a variety of forms, enabling the most suitable material to be used across the widest range of applications. In addition radar scattering and absorbing materials can be combined with camouflage, infra-red (IR) and thermal materials to provide multi-spectral signature reduction.

Sealing & Bearing Solutions - Trelleborg develops, manufactures and supplies bearings and seal elements for static, rotary, linear, pneumatic and hydraulic applications under the trade names Turcon®, Zurcon® and Orkot®. Our solutions are used across the industry in applications where a need to maintain a high integrity barrier to debris, or to withstand pressures and fluids is critical. Trelleborg are experts in static to highly dynamic sealing applications and have a wide product and material portfolio to meet both common and extreme operating environments.

Energy Absorbing Seating Foam – CONFOR® foams offer a unique combination of properties that are ideal for high energy-absorption applications, enabling them to absorb and dissipate shock and impact. CONFOR® foams are also used in comfort management and protective padding applications.

Airframe Seals – The Aeroflex product range includes aerodynamic seals with high wear resistance as well as seals with well defined electromagnetic interference (EMI) properties.

Engine Sealing – Trelleborg's Engine flex seal range covers all aspects of polymer based sealing around the engine: Fire seals, Turbine blade seals, Fuel system seals, Nozzle actuator sealing, High temperature elastomer, Metal O-rings and many other products.



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