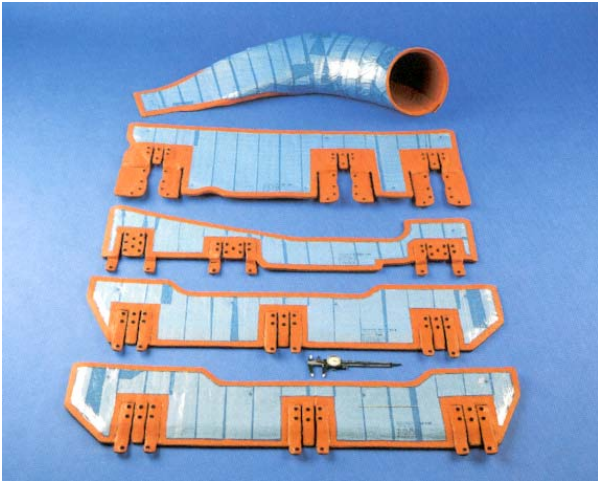
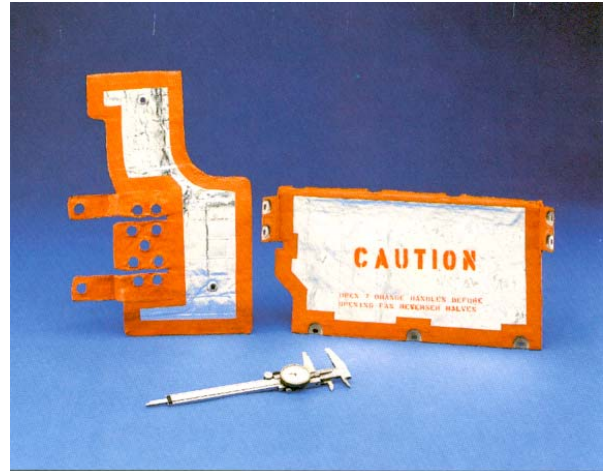


High Performance Flexible Blankets



Boeing 757 Nacelle Cowl Door Fireshields



General Electric CF6-80C2 Cowl Door Fireshields

General Properties

HITCO CARBON COMPOSITES, INC.'s high performance flexible blankets are state-of-the-art, high temperature blankets designed for a variety of applications as firewall protection and barriers. The blankets are customized for specific uses and may be fabricated to size and geometry to meet design specifications. These blankets have outstanding thermal and mechanical performance properties and meet 2000°F fire penetration test requirements per FAA standards. Flexible blankets achieve high thermal efficiency for aerospace, commercial, and military high temperature and internal exhaust system applications. The blankets not only protect components in the event of fire, but also maintain low temperatures for the surrounding parts or components. Most blankets are formed from special flexible core materials that are covered on both sides with a variety of heat resistant fabric and metal facings.

Product Features

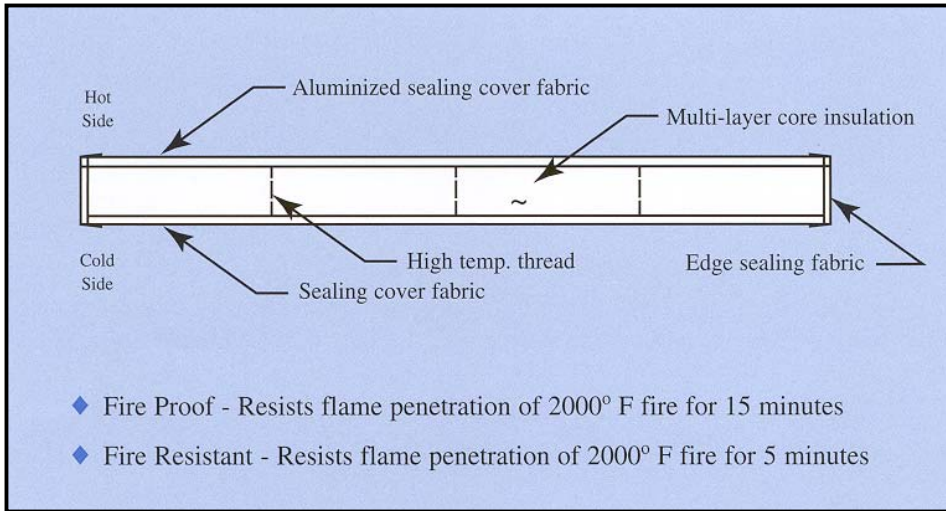
- ◆ Fabricated into any size or shape to meet customer hardware or drawings
- ◆ Meets FAA 2000°F fire penetration test requirements and provides full insulation protection for 15 minutes in the event of fire, without deterioration per FAR 25
- ◆ Ability to withstand high vibration and repeated thermal cycles
- ◆ Impedes fungus growth and corrosion from salt spray per MIL-STD-810D, Method 509.1
- ◆ Can withstand normal operating temperatures from -65 ° to 450 °F
- ◆ Resists jet fuels, hydraulic fluids, and synthetic fluids per ASTM D1655
- ◆ Cost effective, flexible, removable, and repairable
- ◆ Meets Boeing BMS 8-330 specification requirements

Typical Applications

- ◆ FAA 2000°F fire penetration requirements
- ◆ Engine reverser/nacelle cowl door fire protection
- ◆ Engine cowl door, hinge, and latch cover
- ◆ Composite pre-cooler air ducts
- ◆ Bleed air ducts/lines
- ◆ Heater ducts
- ◆ Auxiliary Power Unit (APU) Compartments
- ◆ Engine structure and accessories

High Performance Flexible Blanket Construction

High performance flexible blankets consist of multi-layer insulation materials, typically quilted in a one inch square pattern, encapsulated in silicone rubber-coated cloth with reflective aluminized surfaces on the hot side. Other hot side cover fabrics are available to meet a variety of thermal applications. The blankets may be fabricated into a wide range of sizes and geometries to meet the most demanding requirements. They can also be stitched together for sealing and fastening, and may be bonded and encapsulated with special coatings such as RTV silicones and other high temperature polymer coatings.



Blanket Specifications

Thickness	Weight	Cold Side Temperature*
1/8" Nominal	.50 Lbs/SF	700° F
1/4" Nominal	.60 Lbs/SF	600° F
3/8" Nominal	.70 Lbs/SF	550° F

* Denotes the max blanket cold side temperature when exposed to an FAA 2000° F fire penetration test for 15 minutes

HITCO CARBON COMPOSITES, INC. manufactures parts using the highest quality materials and tooling. HITCO CARBON COMPOSITES, INC. warrants its products to meet customer requirements per drawings or specifications. No additional warranty is given. The information, recommendations, and opinions set forth herein are offered solely for your consideration, inquiry and verification and are not, in part or total, to be construed as constituting a warranty or representation for which we assume legal responsibility. Nothing contained herein is to be interpreted as authorization to practice a patented invention without a license.



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