

Sewn Insulation Blankets



Hydraulic, Fuel, and Air Control Valve
Fireshields for Commercial Aircraft

General Properties

Fabricated sewn insulation blankets are finished blankets designed for a variety of applications. Blankets may be fabricated into any size and geometry to meet requirements using the most advanced materials available.

Coverings

- ◆ Neoprene coated fabrics
- ◆ Silicone coated fabrics
- ◆ Vinyl coated fabrics
- ◆ Plain fabrics
- ◆ Various films

Typical Applications

- ◆ Hot air ducts
- ◆ Cold air ducts
- ◆ De-icer systems
- ◆ Environmental systems
- ◆ Fluid reservoirs

Special Composite Products

FLX-LEIR (Flexible Low Emissivity Infrared) is a sewn flexible fireshield composite developed for fire protection on aluminum castings, fuel control, warm air and electrical control boxes, and valves on aircraft engines.

- ◆ Designed to withstand a 2000°F fire for 5 minutes with no “burnthrough”
- ◆ Ability to withstand normal engine temperature cycles to 450°F
- ◆ Resistant to steady state heat/cold shock and vibration

Insulation Media

- ◆ Fibrous batting insulation
- ◆ Bonded or unbonded
- ◆ Refrasil cloth

Installation Methods

- ◆ Cementing
- ◆ Lacing
- ◆ Buttons and Studs
- ◆ Velcro
- ◆ Other mechanical means

