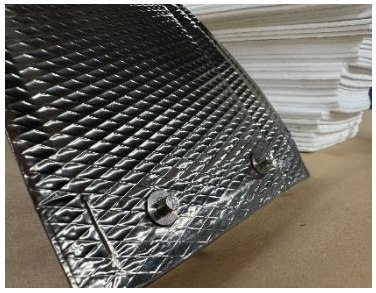
Email sales@pacmetaerospace.com to submit an RFQ or request!

Thermal Insulation Products

PACMET AEROSPACE SPECIALIZES IN THE DESIGN, QUALIFCATION, AND PRODUCTION OF **ENGINEERED MATERIAL SOLUTIONS** FOR THE AEROSPACE & DEFENSE INDUSTRY.

Metallic Foil Insulation Systems



Ideal for high run rate production of extreme temperature applications such as:

- Actuation Protection
- Bleed Air Systems
- High and Low-Pressure Ducting
- Fuel Line Heat and Fire Protection
- Jet Engine, APU, and Heat Exchangers

Fabric Insulation Systems

Ideal for low run rate or one-off production for applications such as:

- Power Plants or Ground Systems
- Fire Blankets
- Prototypes and Urgent Needs
- Heat, Flame, and Noise Suppression

Silicone Insulation Systems

Ideal for custom/unique applications:

- Alternative to metal foils to help avoid galvanic corrosion
- Can be bonded to both fabric and metal
- Lightweight and non-conductive fire barriers

Which insulation solution is best for your application?

1. Pick your containment method

Metal Foil

Rigid and Lightweight Metallic Skins as thin as .003" are capable of containing insulating materials while providing fire and fluid protection. Requires to use of forming tooling.

Fireproof/Aluminized Fabric

Fireproof fabric materials can be sewn together to create insulating blankets capable of blocking flame and heat.

Silicone

Silicones can be molded to any size or shape to block flame and liquid. Silicone can also be bonded with fabrics and metals to create engineered composite materials for unique applications requiring custom solutions.

2. Pick your insulating material

Ceramic Wool

Ceramic fibers designed to block or contain heat. Cost effective, lower performance option.

Microporous Paper

Lightweight insulating material designed to reduce heat over a small area. Best "K" Values

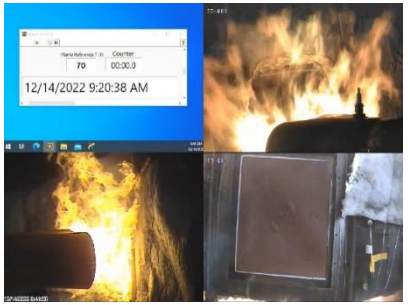
Aramid Fibers

Aramid fibers engineered to block flame and resist heat. Cost effective option for fire shields.

3. Send Pacmet a 3D model of your application or design

What is the Pacmet Difference?

- In-House Testing
- In-House Elastomer Compounding
- Experienced Chemistry Staff
- Innovative Solutions



Honest Parts** made from **Genuine Materials

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