



INDUSTRIAL INSULATION BLANKETS

Powertherm Maxim custom removable industrial insulation blankets are designed for the marine, power generation, oil & gas markets. Our experience allow us to apply tested, proven and certified technology with superior design and choice of materials capable of withstanding the toughest conditions for your insulation needs. This combination of materials provides our insulated blankets with the ability to retain energy and provide higher efficiency of equipment plus providing noise reduction, safety and protection for personnel. Our Insulated Blankets help reduce engine compartment temperatures to an acceptable level. In some cases, the temperature of the engine compartment is a very critical issue, since it can affect the performance of surrounding equipment. Powertherm Maxim industrial insulation blankets can solve this problem by bringing the temperature down. Powertherm Maxim industrial insulation blankets are proudly made in the USA.

We specialize in

- Exhaust Piping
- Silencers
- Catalytic Converters
- Manifolds
- Bellows
- Expansion Joints

Along with Exhaust Insulation Blankets, we have experience in insulation blankets for various other applications such as

- Industrial Heaters
- Acoustical Blankets
- Heat Exchangersa
- Gas Turbines
- Steam Turbines
- Gate Valves





THREE LAYER CONSTRUCTION

Outer Protective Cover: Silicone Coated Fiberglass Cloth - Style 725: The fiberglass base fabric that has been impregnated with a specially formulated silicone rubber compound. This silicone coating adds extended life, while providing greater oil and water resistance than uncoated fabrics, as well as low smoke and flame retardation. Style 725 is a fiberglass fabric that has been tested and meets MIL-I-20079G and meets NRC-136 and Military Spec. MIL-I-224244



Mat Insulation: High-density type "E" glass fibers: Mat Insulation is composed of 100% select grade high-density (11lbs./cu. ft.) type "E" glass fibers needled together into mat form. The mat is processed in such a way to maximize thermal efficiency. It is non-respirable, non-combustible, asbestos free and contains no resinous or inorganic binders. This Mat Insulation material has been tested and conforms to MIL-I-24244, USCG Subpart 164.009, ASTM E84 industry standards and NRC-136

Knitted Wire Mesh Liner: Made of 304 Stainless Steel (1500°F max. temp.) or 600 Inconel (2300°F max. temp.) In wire sizes .011", recommended for maximum strength and temperature extremes or .008" for intermediate applications. Proven to be the ideal material to enclose fiberglass blankets providing protection from fuel leaks, durability, and a slight air gap between the blanket material on the hot side.

FEATURES

- Custom Made
- Removable
- Reusable
- Flexible
- Thermal Insulation

BENEFITS

- Noise Reduction
- Energy Conservation
- Fireproofing
- Freeze Protection
- Employee Protection and Safety
- Maintain Temperatures
- Protect Equipment

SPECIFICATIONS

- Temperature Range
- -67°F to 1200°F

Thickness

- Standard 1", available 1/2" - 4"

Outer Protective Cover

- Standard Style 725 silicone-coated fiberglass cloth, options available

Mat Insulation

- High-density (11 lbs./cu. ft.) type "E" glass fibers needled together into mat form

Inner Mesh Liner

- Standard 304 stainless steel mesh, or options available including Foil Liners

Construction

- Seams: 304 stainless steel "hog ring" staples (.065")

Attachments

- Tie anchors, lacing hooks and washers: 304 stainless steel
- Tie wire: 16 gauge 304 stainless steel
- Tags, optional: Stainless steel

Specification Compliance

- MIL-I-24244
- NRC-136
- NFPA 255 & 110
- UL 492 (Self Extinguishing)
- ASTM E84 Industry Standards
- USCG Certificate 164.009/94/0

