



Dateline: 1/1/26

PRODUCT DATA SHEET

Low Temperature Removable Insulation Blankets

EnergyArmour Removable Blankets are constructed for heat conservation up to 500°F continuous temperature. EnergyArmour Blankets are built to standard designs for flanged pairs and flanged valves.

*** Custom fabrication is available for all your specialty removable blanket needs. ***

Removable blankets are constructed in the three following components:

ENVELOPE

The envelope is the insulation container. This component provides mechanical strength and weather protection for the insulation filler as well as the point of attachment for the securement accessories. Envelope material selection must consider factors such as temperature, weather & chemical resistance, and durability.

Teflon® Impregnated/Coated Fiberglass Fabric - Maximum Sustained Temperature: 600°F

The special PTFE/Teflon resins give these fabrics superior chemical and stain resistance. May be used at higher sustained temperatures than all other coated fabrics. Virtually inert to all industrial or commercial chemicals, making it easier for users to standardize on one fabric; thus, eliminating the need to specify several different fabrics to cover different demands. This product meets the following requirements: MIL-I-24244, NRC Guide 1.36, ASTM D-5034, ASTM D-6413, ASTM G-154.

INSULATION FILLER

The insulation filler provides the thermal characteristic for the blanket assembly.

UtiliCore® (HP5 Fiberglas Mat) - Maximum Temperature: 1100°F

The most widely used insulation filler for removable blankets. This product provides excellent thermal resistance, substantial density (5#/cf), a high upper limit and outstanding value. A 1" thickness of this material is used in EnergyArmour standard blankets. Conforms to ASTM C-553, Coast Guard Approval #169.109, NRC Guide 1.36.

SECUREMENT ACCESSORIES

These products are used to construct the envelope, secure the insulation inside the envelope and for completed assembly installation.

Kevlar® Rope - 570°F

Hook and Loop – High Temp 509°F

Kevlar® Thread - Maximum Temperature 500°F