

 NATAL GASKETS (PTY) LTD

ISOTEX THERMAL COVERS



REMOVABLE REUSABLE THERMAL INSULATION

- ⚙️ Reduces costs – saves installation time
- ⚙️ Locally Manufactured
- ⚙️ Easy to remove and install
- ⚙️ Custom design available for most equipment types
- ⚙️ Personnel Protection



The ever increasing cost of fuel makes it necessary to reduce heat loss through valves and flanges, as well as other insulated equipment. These areas require periodic inspections and maintenance which then necessitates the removal of the insulation – a costly process with permanent insulation.

APPEARANCE

Thermal Insulation Covers are manufactured using woven fibreglass cloth, coated with Teflon which provides high performance thermal and chemical resistance characteristics

LABOUR SAVING, FAST PAY BACK

Thermal Insulation Covers offer significant labour savings in initial insulation, and re-insulation after in-service maintenance or inspection. No tools or special skills are required for installation.

FIRE SAFETY

Thermal Insulation Covers will not spread flames, generate virtually no smoke, and under conditions of flame contact, will add very little fuel to fire

PERSONNEL PROTECTION

The use of thermal covers in areas of personnel traffic is an effective way to protect personnel from elevated temperatures

THERMAL & CHEMICAL RESISTANCE

Thermal Insulation Covers readily resist contamination by water, oily fluids and inadvertent chemical splashes at elevated temperatures. Thermal covers have been successfully used at 560°C for extended periods

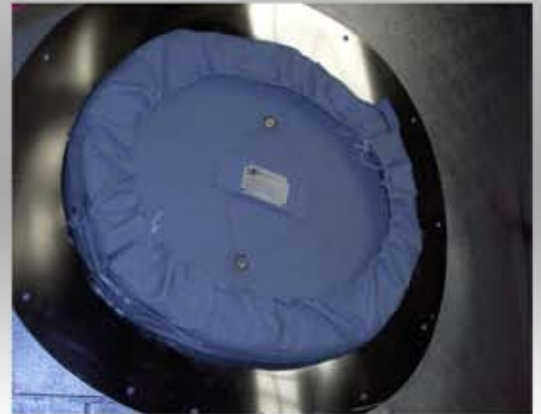
PRODUCT APPLICATIONS

The reliability and physical integrity of thermal covers make them the ideal material for removable and reusable insulation systems for:

- ⚙️ Flanges
- ⚙️ Pumps
- ⚙️ Valves
- ⚙️ Manways
- ⚙️ Elbows
- ⚙️ Heat Exchangers
- ⚙️ Expansion Bellows
- ⚙️ Bends

MATERIALS USED IN THE MANUFACTURE OF THERMAL COVERS

	Temp. Range
<u>JACKETING MATERIAL</u>	
Coated fibreglass cloth with chemical resistance	260°C
Coated fibreglass cloth reinforced	550°C
<u>INSULATION MATERIAL</u>	
High temperature capabilities	1 260°C
<u>SEAM CLOSURE MATERIALS</u>	
Sewing thread	550°C
High temperature wire	1 200°C
<u>CLOSURE ACCESSORIES</u>	
⚙ Braided Cord	
⚙ Hook and Loop Fasteners	
⚙ Lacing Anchors	
⚙ Rings	
⚙ Quilting Pins	
⚙ Washers	
⚙ Buttons	



CONSTRUCTION OF THERMAL COVER

Thermal Covers have machine sewn with locked stitching. All covers are sewn with thread to match the thermal capabilities of the jacketing materials.



MATERIAL SPECIFICATIONS

INSULATION

Insulation material 50mm thick, with ambient temperature of 20°C and a hot face temperature not exceeding 250°C produces an insulation efficiency of 95.5%

Insulation materials are enclosed in a fabric envelope consisting of the inner (hot side), and outer (cold side) and a sidewall gusset

JACKETING

Jacketing materials are non-wetting, chemical resistant and suitable for prolonged usage at the specified operating temperatures. They will eliminate water ingression ,however, they are not water proof. The insulation materials are quilted

FASTENERS AND HARDWARE

Covers are fastened by a quick install-release system using the same materials as the outer skin of the jacket.

ALL HARDWARE USED ON THE COVERS

These items will assure the ultimate in performance and appearance

IDENTIFICATION TAGS

To ensure proper installation all thermal covers are equipped with an Identification tag.

