



PRODUCT NAME

INSULOCK REMOVABLE THERMOCOVERS

MANUFACTURER

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PRODUCT DESCRIPTION

Insulock manufactures a complete range of removable and reusable insulation enclosures to suit most industrial , commercial and manufacturing requirements.

Thermocovers are the cost effective way to insulate valves, flanges, strainers, pumps etc. which are typically left un-insulated for maintenance purposes. These items can now be insulated with the benefit of being able to be removed and reinstalled in a matter of minutes.

THERMOCOVER MATERIALS

SILICONE SILTUFF 2000 PROPERTIES

UPPER USE TEMPERATURE	249 °c 480°F Continuous Service
WEIGHT	577 g/m ² 17 oz/yd ²
THICKNESS	0.46 mm 0.018"
WIDTH	1524 mm 60"
TENSILE STRENGTH (WARP)	3039 N/50 mm 340 lbs/in
TENSILE STRENGTH (FILL)	1966 N/50 mm 220 lbs/in

Light grey Silicone/ Fibreglass composite has a rugged and thick coating engineered specifically for removable jackets.

TEFLON[®] EJ 1800 PTFE

UPPER USE TEMPERATURE	287 °c 550°F Continuous Service
WEIGHT	610 g/m ² 18 oz/yd ²
THICKNESS	0.46 mm 0.018"
WIDTH	1524 mm 60"
TENSILE STRENGTH (WARP)	3664 N/50 mm 410 lbs/in
TENSILE STRENGTH (FILL)	3173 N/50 mm 355 lbs/in

Dark grey PTFE/ Fibreglass composite is designed for use in challenging insulation jacketing applications.

Fabrics have been specifically selected for suitability to application, they are non wetting, eliminate water ingress and have excellent thermal values. These materials can be hand cleaned for maintenance purposes.

INSULATION

Various insulation materials are used within covers and are dependant on service temperature and environment where covers are used. Refer Insulock for recommendations.



STITCHING

Insulock Thermocovers are machine stitched with Tri-filament pure PTFE thread. Insulock's standard stitch length is 4.5mm to ensure maximum tension on seams without bruising the fabric and reducing the chance of water ingress.

Thermocovers have concealed internal stitching as well as external stitching to extend the life, water resistance, and durability of each cover.

PTFE thread is inert to chemical attack both directly through spillage and indirectly through airborne contaminants.

PTFE is suitable for applications both indoor and outdoor and is not affected by UV light.

DESIGN

Insulock removable Thermocovers are custom designed to ensure optimum fit for thermal integrity.

Items are modeled by in house industrial designers using 3-D design software.

Materials are cut using state of the art CNC cutting.

All Thermocovers are proudly 100% Australian made.

INSTALLATION

Thermocovers are designed to be removed and reinstalled by one person in a matter of minutes.

Thermocovers do not require any tools for installation.

Appropriate fastening mechanisms are intergrated in to the Thermocover.

An identification sheet is supplied as a record of installation.

SAFETY

Thermocovers are designed to contain the appropriate thickness of insulation to keep the exterior surface temperature below OH&S guidelines and for thermal efficiency.

All Thermocovers are non asbestos and do **not** contain carcinogens.

AVAILABILITY

Thermocovers are individually designed and manufactured and are not available ex-stock.

Normal lead time is approximately 2 weeks from date of order.

Thermocovers are available for supply throughout Australia and Internationally.

WARRANTY

Insulock Thermocovers are fully warranted to the original owner against defects in materials and workmanship for a period of 5 years. If a product ever fails due to a manufacturing defect, even after extended use, we will repair the product, without charge, or replace it, at our discretion.

This warranty does not cover damage caused by accident, improper care, negligence, normal wear and tear, or the natural breakdown of colours over extended time and use.

Only original materials and workmanship are covered by this policy



PRODUCT NAME

INSULOCK HIGH TEMPERATURE REMOVABLE THERMOCOVERS

MANUFACTURER

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HIGH TEMPERATURE THERMOCOVER MATERIALS

SILICA

UPPER USE TEMPERATURE	980 °C 1800 °F Continuous Service
WEIGHT	610 g/m ² 18 oz/yd ²
THICKNESS	0.76 mm 0.030"
WIDTH	1524 mm 60"

Tan Colour amorphous Silica Fabric with a minimum silicon dioxide content of 96% for optimum performance.

STITCHING

Insulock High Temperature Thermocovers are machine stitched with a S2 Fiberglass Twisted with Inconel Steel sewing thread. These are capable to resist temperatures over 815 °C (1500 °F)



Specification Sheet

JUNE 2010

PRODUCT NAME

Superwool 607 Blanket

PRODUCT DESCRIPTION

Superwool 607 Blanket is made from high temperature insulation glass fibres and has a classification temperature of 1100°C.

Superwool 607 Blanket is made from long bio soluble Superwool Fibres. It is needled from both sides and does not contain any lubricant or binder. It has excellent tensile strength prior to and after heating and does not emit any fume or smell. The thermal stability of Superwool fibres (Grade 607) the excellent strength and flexibility prior to and after heating make Superwool fibres (Grade 607) ideal for a wide variety of industrial and building applications.

SUPERWOOL 607 PROPERTIES

MAXIMUM TEMPERATURE RATING (°C)	1100
COLOUR	White
SPECIFIC HEAT @ 540°C (kcal/kg°C)	1.05
PERMANENT LINEAR SHRINKAGE (%)	
Heating for 24hrs @ 800°C	0.5
Heating for 24hrs @ 900°C	1.5
Heating for 24hrs @ 1100°C	2.5
TENSILE STRENGTH (kPa)	
@ 64 kg/m ³ density	24
@ 96 kg/m ³ density	44
@ 128 kg/m ³ density	58
@ 160 kg/m ³ density	73
NOISE REDUCTION COEFFICIENT	0.72
CHEMICAL ANALYSIS %	
SiO ₂	60 - 70
Al ₂ O ₃	< 0.8
CaO + MgO	25 - 40