

Heat protection · **Work protection** · Insulation technique · Machine protection



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Soluciones que producen mas



DISTRIBUIDORES DE JUTEC EN CHILE



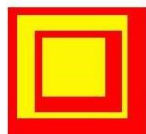
INSULATION TECHNIQUE MACHINE PROTECTION

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INSULATION FOR EXHAUST, HYDRAULIC, CABLE AND COOLING SYSTEM

VARIOUS POSSIBLE SOLUTIONS MADE FROM TECHNICAL DRAWINGS SENT FROM CUSTOMERS OR CUSTOMERS PIPE SAMPLES FROM TEMPERATURES UP TO 1300°C, FREE OF ASBEST AND CERAMICS

Exhaust block insulation:

- Sandwich construction:
Heat protection fabrics with fleece
- Velcro or sewn together
- from 550°C up to 1300°C contact heat



Hydraulic insulation:

- Aluminum on either glass or Aramid fabric (scour resistant)
- Velcro, press buttons or sewn together
- for 1000°C radiation heat



Exhaust pipe insulation:

- made of glass fabric band up to Silicate fabric band
- from 550°C up to 1300°C contact heat





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EXHAUST INSULATION FROM 550°C UP TO 1300°C



Manifold exhaust pipe insulation made of heat protection fabrics with a fleece liner and velcro fastener, free of asbest and ceramics for 550°C - 1300°C contact heat.



INSULATION FROM EXHAUST PIPES AND SOOT PARTICLE FILTERS

- to protect neighboring aggregates
- reduces the temperature in the motor room
- as vibration and sound protection
- reduces warmth in the cabin
- constructed in a „sandwich“ style or with high temperature belts/fleece





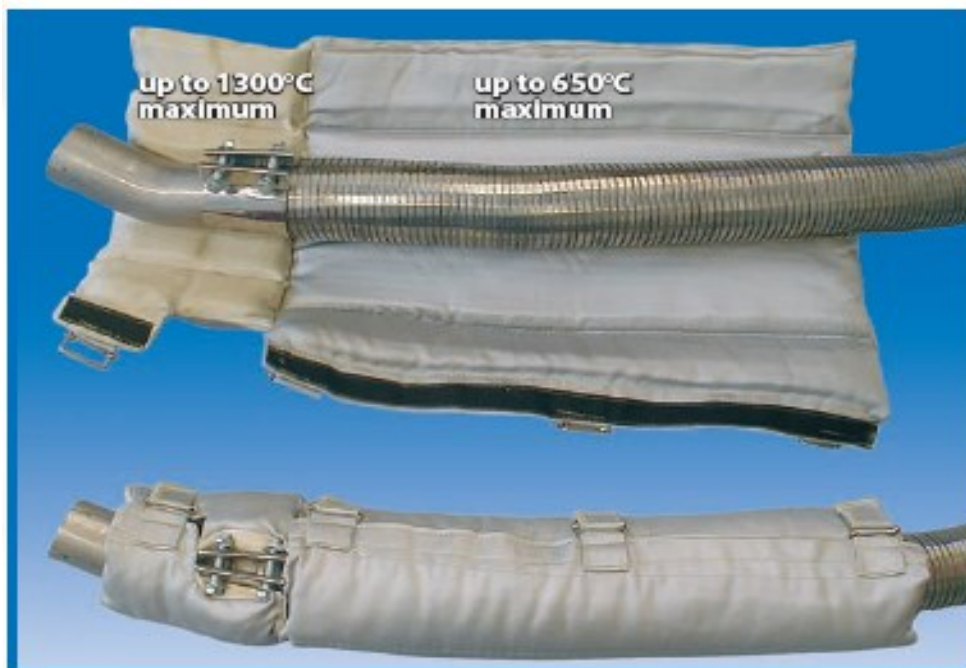
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Manifold and exhaust
pipe insulation for
diesel motors



Different temperature ranges are possible



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RELIABLE HEAT PROTECTION FOR TUBING AND CABLES OF EVERY TYPE



Hydraulic tube insulation made of Aluminized glass fabric or Aramid fabric (scour resistant), with either a velcro, push-button or buckle, up to 1000°C radiation heat

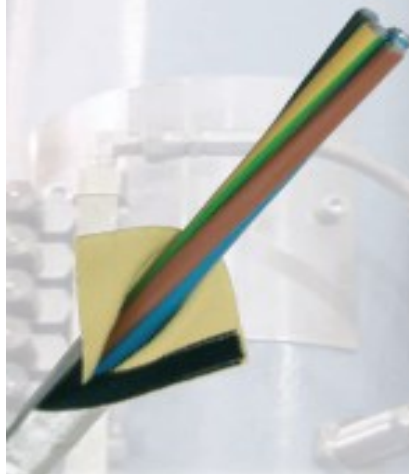
PROTECTION TUBING FOR HYDRAULIC TUBES AND KABEL PIPE LINES

- for protection against heat
- protection against oil, dust and moisture
- high bend count performance due to the high quality coating
- the flexibility of the tube remains

Our sewing machinery makes it possible for us to tailor make tubing according to diameter specifications or tube, pipe or protection flange.
If needed the tubing can be made in layers of insulation.

Application for:

- hydraulic tubes in warm areas
- water tubes, cooling tubes near motors
- electro cable protection





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HEAT PROTECTION FROM 550°C UP TO 1200°C

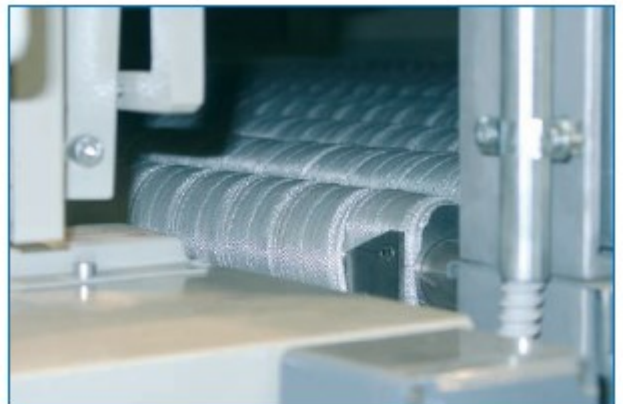
BELTS, ROPES, TUBING, PACKINGS

Used anywhere in industry that high temperatures are needed to produce, depends of the high quality of the seal.

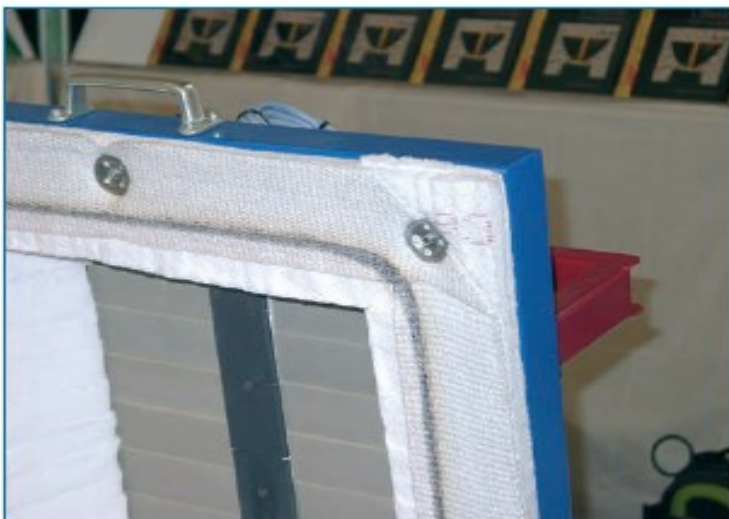
Our materials are applied in the steel and Aluminum industries, the glass industrie, during oven and chimney construction, etc.



Aramid belt to protect the transport rolls (here shown during glass manufacturing)



550°C - Insulation: for example convey belt protection in a machine



1200°C - Belt: band as gasket in an oven



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INSULATION FLEECE FROM 550°C UP TO 1200°C

FLEECE MATERIALS

JUTEC offers fibre glass fleece materials that protect heat from 550°C up to 1200°C. These fleece materials can be applied in many different industrial areas. Especially the Silicate fleece, with permanent heat protection up to 1200°C reliability, is substituted more and more for asbestos and ceramics. The fibres have a filament diameter of over 6µm. Thus, the JUTEC fibres are wide over the critical health range of 3µm and are to date under medical health standards proven to be safe. The fibres are needled and/or stepped. In this way the fleece volume is enlarged and thus a better warmth value is achieved. They are easy to form and to cut, they are elastic, soft and easy to handle. All JUTEC fleece materials can be attained with a self-adhesive or with an aluminum foil (30µm–100µm) or both.



- **Glass fleece up to 550°C:**
from 4 - 25 mm thickness, up to 120 cm wide, standard is 100 cm
- **Calcium-Silicate fleece up to 1150°C:**
from 13 - 25 mm thickness, up to 120 cm wide, standard is 100 cm
- **Silicate fleece up to 1200°C:**
from 4 - 25 mm thickness, up to 120 cm wide, standard is 100 cm

Best use:

- catalysts and exhaust pipe insulation
- warmth insulation for aluminum, steel and other industry ovens
- insulation mats used for induction welding
- insulation for power plants and atomic reactors
- other fleece styles with an Aluminium foil and equipped with a self-adhesive upon request





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HEAT PROTECTION FROM 850°C UP TO 1100°C

INSULATION PLATES

JUTEC insulation plates are made of mineral fibres with heat protection from 850°C up to 1100°C. The plates are easy to work with. Other forms are possible on request.

Art.-No. 850 °C	Art.-No. 1100°C	Dimensions (mm)	Carton- contents
IP 085002	IP 110002	1000 x 1000 x 2	50m ²
IP 085003	IP 110003	1000 x 1000 x 3	33m ²
IP 085004	IP 110004	1000 x 1000 x 4	25m ²
IP 085005	IP 110005	1000 x 1000 x 5	20m ²
IP 085006	IP 110006	1000 x 1000 x 6	16m ²
IP 085008	IP 110008	1000 x 1000 x 8	13m ²
IP 085010	IP 110010	1000 x 1000 x 10	10m ²

- Delivery only per carton!

ADHESIVE

The adhesive is specially developed for high temperatures. The adhesive hardens when exposed to air and is odourless. The adhesive will not burn and is ideal to glue insulation materials such as fabrics, plates, mats etc., together. The adhesive is not dangerous to transport. Specific weight 1,5g/cm³. Heat resistance up to 1100°C.



- free of Asbest and Ceramics

Art.-No.	Quantity
JT 1000 KL	1kg
JT 1500 KL	15 kg





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WHEN EVERY MINUTE OF TIME LOST IS SIGNIFICANT

WELDING TONG JACKETS FOR X- AND C-WELDING TONGS

- optimal protection against slag and oil steam damaging the tongs
- reduces the cost of maintenance
- lengthens the expected life span of the welding tongs, because of less filth on the tongs
- automatic welding line maintenance is shorter and therefore better productivity
- shorter waiting time because there is no cleaning needed
- security stable even during non-production periods
- Aramid fabric with Aluminium non-electric conducting coating
- high bend count performance due to the high quality coating



COMPLETE PROTECTION FOR WELDING EQUIPMENT AGAINST CONTACT AND RADIATION HEAT

WELDING MACHINE PROTECTION JACKET AGAINST CONTACT HEAT

- Machine protection made of a heat resistant fabric, which protects against damage caused by metal spatter and sparks. The transparent plastic assures visual access to gauges, indicators and control elements. Ideal for rented, demonstrative or test equipment. Heat protection up to 600°C.
- Use: for MIG/MAG, WIG and plasma cutting torches.

Material	Dimension
JT 650 G1 + transparent plastic	according to the size of the welding machine



PROTECTION TUBING FOR TORCH HOSE SET

- The protection tubing is made of a heat protection fabric with an Aluminium coating.

Use: for every and any welding machine hose.

Art.-No.	Material	Ø mm	Art.-No.	Material	Ø mm
ISL 030 AL	JT 660 AL	30	ISL 060 AL	JT 660 AL	60
ISL 040 AL	JT 660 AL	40	ISL 070 AL	JT 660 AL	70
ISL 050 AL	JT 660 AL	50	ISL 080 AL	JT 660 AL	80

- Other sizes available upon request





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WELDING PISTOL HAND PROTECTION AGAINST CONTACT AND RADIATION HEAT

- The ideal protection for welding pistols during high temperature welding without burning. Working with leather gloves is possible. The protection is made directly connected to the torch. The material used is a scour resistant aluminium coated fabric.

Use: for every and any standard welding pistol during high temperature welding.

Art.-No.	Material	Dimensions
SPH 001 KAN	JT 660 KAN	Standard



CONTACT HEAT FROM 200°C UP TO 1300°C



WELDING AND PROTECTION CURTAINS AND ROOM DIVIDERS UP TO 1300°C

These curtains can be tailor made as per customers demands. They consist of fabrics and if necessary plastic windows. They are also non noxious, free from Asbestos and Ceramic fibres. It is also possible to mount metal eyelets and rings according to individual ideas.

FABRIC CURTAIN WITH PVC WINDOW

- protection against "flash" when using WIG, MIG welding etc.
- user can look into or out of the cabine
- above and below the window enough protection against contact and radiation heat is guaranteed





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MINIMIZING LOSS OF WORK TIME

This problem is well known: necessary repairs or maintenance is needed and forces the operator to stop the production (partially or completely). Often the neighbouring machinery must be dismantled because of welding, cutting or soldering work, which leads to loss of time.

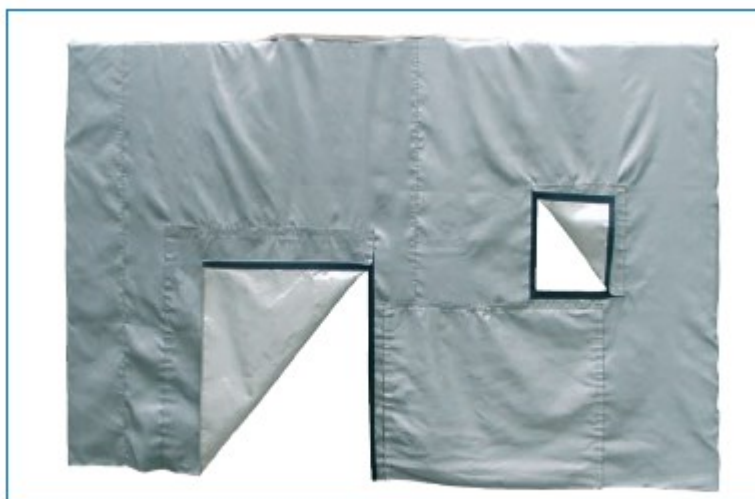
In order to keep the time reduce to a minimum, Jutec offers tailor made solutions that have been successful in this line of protection.

First the problem will be discussed in detail with the customer. Temperatures are set as well as knowledge of the access needed to the area. The ideal solution would be for the customer to give Jutec an exact drawing so that Jutec can place it in their CAD-computer that constructs the cutting.

Please ask us for our extra information sheets!



Generator for maintenance work up to 1300°C



Motor/aggregate coverage with individual openings for access to the machines during construction or during maintenance to a machine or ship.



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Energy production

Picture: STEAG GmbH



Ship and yacht construction

Picture: Jade Werft



Automobil industry

Picture: F&W

