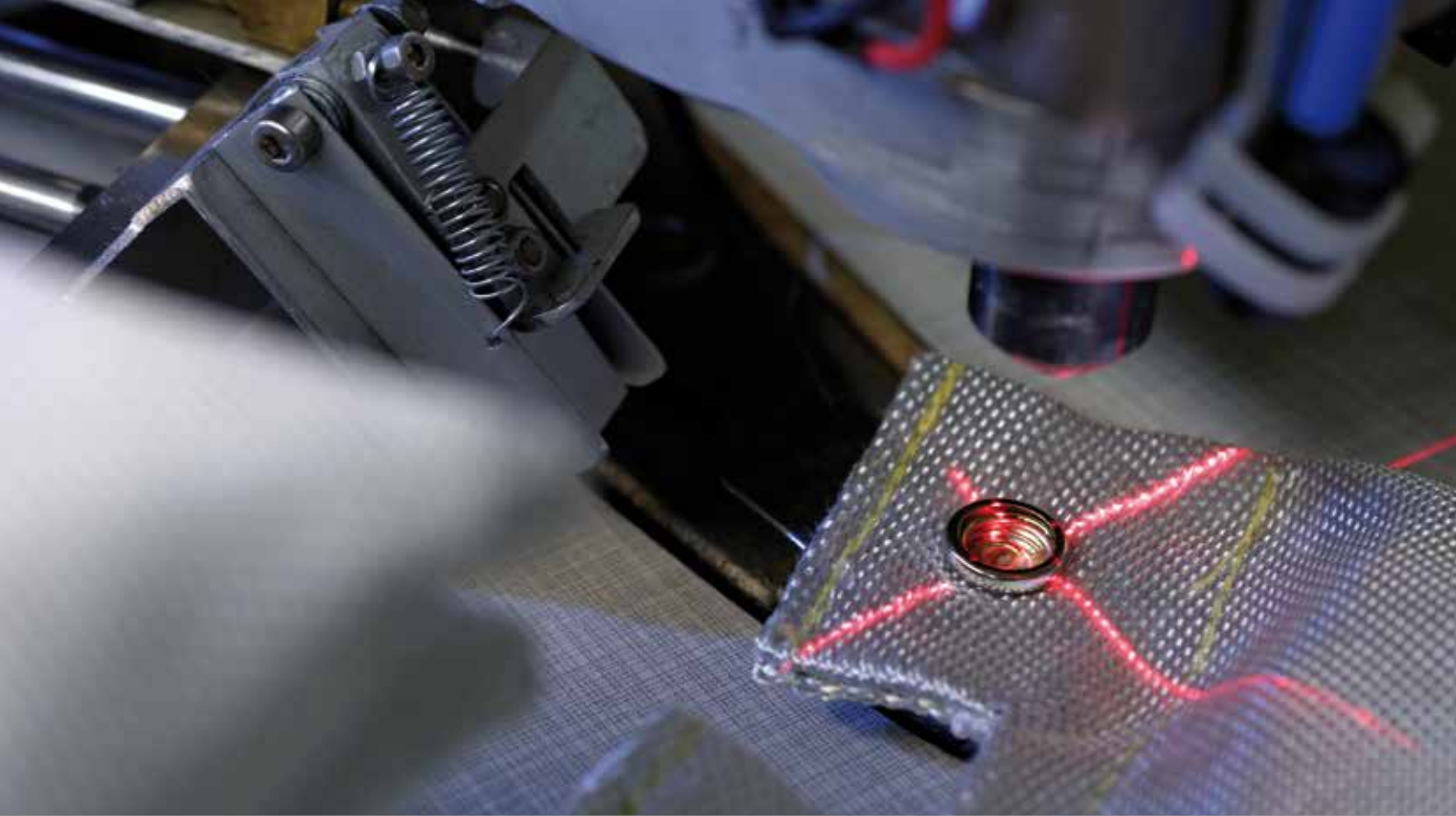




**FROM EXPERTS.  
OFF THE SHELF.**



## **Always safe with JUTEC®.**

*JUTEC® GmbH was founded in 1987 and with its heat protection, work protection, insulation and laser protection divisions is one of the leading manufacturers in Europe today.*

*What do we offer you?*

*Individual further training of your workforce and on-going development of our technology with our own mechanical engineering expertise. Both the industry and the trade benefit from our continuously growing global production and innovation know-how.*

*The result:*

*A standard range that is tested daily and which provides constant protection while undergoing constant renewal and extension. We only supply our customers with certified products that have been tested to the limits.*

*You can always rely on JUTEC® PRODUCTS.*

**MADE IN  GERMANY.**



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What protective functions do you require? Hot inside, cold outside? Or vice versa? Do you require professional, on-site consultation? Do you have a drawing of what the protection of your system or machine should look like? Which requirements must be met? JUTEC® advises you professionally and supplies products with a precise fit.

### THE FASTEST AND MOST RELIABLE SOLUTION

The optimum heat protection solution is therefore provided in next to no time in collaboration with the customer - from the first consultation to prototyping and production.

This is possible due to:

- High-quality processing
- In-house manufacturing with CAD and CUTTECHNIK



#### Certificates

The renowned material testing institute MPA in Dresden subjected the JUTEC® fabric to tests in compliance with **DIN EN 13501-1** (fire behaviour of construction materials and components) in accordance with the new **European Fire Protection Test that applies to all European countries.**



0736

The fabric was also tested by the fire testing laboratory of TÜV-Nord and **SEE-BG**. In addition, our fabric is certified by the **U.S. Coast Guard for global shipbuilding standards.**



JUTEC® uses the certified special fabric for the production of spray protection blankets, welding curtains, room partitions and protection hoses, insulation and flame-resistant mineral fibre mats as well as other special products.

The **GS Tested Safety** seal certifies that our products meet the requirements of Article 21 of the Law on Product Safety (ProdSG).







## ENERGY EFFICIENCY PAYS OFF

Perfected insulating technology ensures a considerable, lasting reduction in heat losses. This saves costs in the long term and protects resources, climate and the environment. With shorter heat-up times and the resulting increased productivity as well as the minimisation of downtimes due to improved operational reliability, insulating measures pay for themselves in an extremely short time.

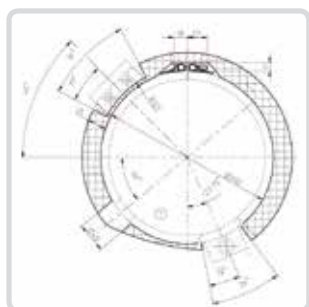
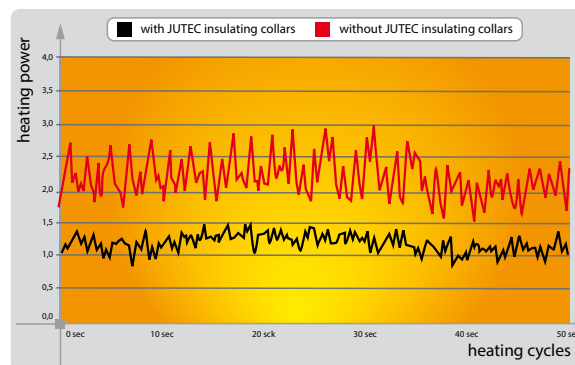
This results in:

- Energy savings
- Longer system durability
- Fewer switching cycles

### Cutting costs in a few steps

We make ordering simple with the import of all conventional CAD file formats and with the JUTEC® measurement sheet.

This means you get your solution faster and without any complications.



### Locking systems:

Simple dismantling of intelligent locking systems ensures easy machine maintenance and servicing.





## Exhaust manifold insulation

- Multi-layer design
- Heat protection fabric with non-woven layer
- Velcro-type fastener, press studs or endless seam
- Contact heat from -60°C - 1300°C
- Vibration resistant
- Resistant against mechanical loads
- Moisture resistant



up to  
**1300°C**  
CONTACT  
HEAT!

## Pipe insulation

- Aluminised fabric
- Either glass fabric or aramid fabric (abrasion resistant)
- Velcro-type fastener, press studs or endless seam
- For 1000°C radiation heat
- Available with optional insulation



up to  
**1000°C**  
CONTACT  
HEAT!

## Exhaust pipe insulation

- From glass fabric belts to silicate fabric belts
- Contact heat from 550°C - 1300°C



up to  
**1300°C**  
CONTACT  
HEAT!



## NON-WOVENS.

JUTEC® supplies glass non-wovens for the temperature ranges of 550°C - 1200°C. Silicate non-wovens with a temperature resistance of up to 1200°C are increasingly replacing ceramics. The processed fibres have a filament diameter of more than 6 µm. Current work medicine standards state that fibres far outside the critical range of 3 µm do not constitute a health hazard. The fibres are needled and/or quilted. A large storage capacity and therefore a favourable thermal conductivity value are achieved as a result. The non-wovens are easy to punch and cut, flexible, soft and easy to handle.

All JUTEC® mats can be provided with self-adhesive or aluminium lamination (with/without embossing of 30 – 100 µm).

### Applications:

- Catalytic converter and exhaust pipe insulation
- Heat insulation on aluminium, steel and other industrial furnaces
- Insulating mats for induction welding.



#### Glass non-wovens up to 550°C

Width: Up to 1200 mm Thickness: 4 - 25 mm

#### Calcium silicate non-wovens up to 1150°C

Width: Up to 1200 mm Thickness: 13 - 25 mm

#### Silicate non-wovens up to 1200°C

Width: Up to 1200 mm Thickness: 4 - 25 mm



## PACKING MATERIALS, BELTS, CORDS AND HOSES.

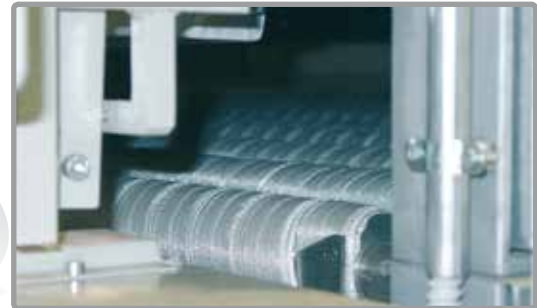
### Insulating products made of e-glass filaments

- |                            |                    |                     |
|----------------------------|--------------------|---------------------|
| • Belts                    | Width: 20 - 100 mm | Thickness: 2 - 5 mm |
| • Cords / twisted or woven |                    | ø 3 - 30 mm         |
| • Hoses                    | ø 10 - 50 mm       | Thickness: 2 - 5 mm |
| • Square packing           |                    | 5 x 5 to 50 x 50 mm |
| round                      |                    | ø 6 - 40 mm         |



### Insulating products made of calcium silicate fibres.

- |                            |                    |                     |
|----------------------------|--------------------|---------------------|
| • Belts                    | Width: 20 - 100 mm | Thickness: 2 - 5 mm |
| • Cords / twisted or woven |                    | ø 3 - 30 mm         |
| • Hoses                    | ø 10 - 50 mm       | Thickness: 2 - 6 mm |
| • Square packing           |                    | 5 x 5 to 30 x 30 mm |
| round                      |                    | ø 6 - 40 mm         |



### Insulating products made of silicon dioxide fibres.

- |                            |                    |                     |
|----------------------------|--------------------|---------------------|
| • Belts                    | Width: 20 - 100 mm | Thickness: 2 - 5 mm |
| • Cords / twisted or woven |                    | ø 3 - 30 mm         |
| • Hoses                    | ø 10 - 50 mm       | Thickness: 2 - 6 mm |
| • Square packing           |                    | 5 x 5 to 50 x 50 mm |
| round                      |                    | ø 6 - 40 mm         |



### Insulating boards.

The JUTEC® insulating boards are produced on the basis of mineral fibres for temperatures of 850°C and 1100°C. The boards can be punched, drilled, cut and bonded.

Art. no. for 850°C	Art. no. for 1100°C	Thickness	Minimum order quantity = 1 box of
IP085002-B	IP110002-B	2 mm	50 pcs. of 1000 x 1000 mm = 50 m <sup>2</sup>
IP085003-B	IP110003-B	3 mm	32 pcs. of 1000 x 1000 mm = 32 m <sup>2</sup>
IP085004-B	IP110004-B	4 mm	25 pcs. of 1000 x 1000 mm = 25 m <sup>2</sup>
IP085005-B	IP110005-B	5 mm	20 pcs. of 1000 x 1000 mm = 20 m <sup>2</sup>
IP085006-B	IP110006-B	6 mm	16 pcs. of 1000 x 1000 mm = 16 m <sup>2</sup>
IP085008-B	IP110008-B	8 mm	13 pcs. of 1000 x 1000 mm = 13 m <sup>2</sup>
IP085010-B	IP110002-B	10 mm	10 pcs. of 1000 x 1000 mm = 10 m <sup>2</sup>



### Adhesive.

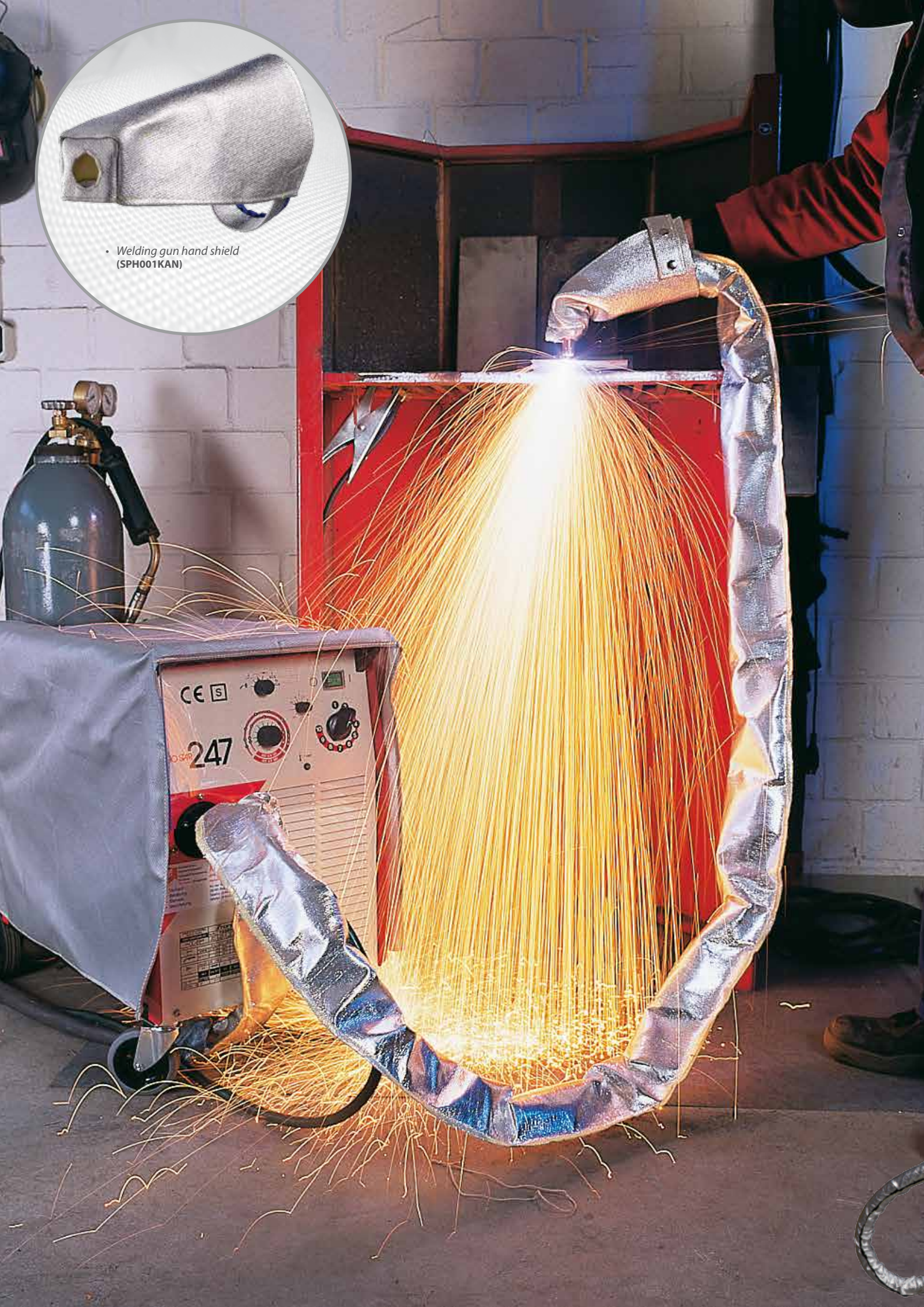
The JUTEC®-1000 adhesive was developed especially for high temperatures. Water glass components serve as a basis for the adhesive. The adhesive hardens when it comes in contact with the air and is odourless, non-flammable and ideal for bonding insulating materials such as woven fabric, boards, mats and insulating materials.

Art. no.	Container	Designation
KL1000	1 kg	JUTEC®-1000 adhesive
KL1500	15 kg	JUTEC®-1000 adhesive





• Welding gun hand shield (SPH001KAN)





www.tuv.com  
ID 0000042669



Equipment is protected from damage against welding beads and flying sparks. The transparent slat ensures access to displays and controls. An optional protection hose for the hose packages can be fitted. The protection hoses are made of heat-resistant e-glass woven fabric. A welding gun hand shield rounds off the range. Working with simple WIG leather gloves is possible, also without the risk of burns. The construction is attached directly to the burner head. The material is made of abrasion-proof, aluminised aramid woven fabric.

Application: Ideal for leased equipment, demonstration and testing systems. Heat protection up to approx. 600°C.

Application: From MIG/MAG, WIG to plasma cutting systems.

Art. no.	Material	Designation	
SH device type G1	JT650G1 + PVC windows	Welding device sleeve	
Art. no.	Material	ø	Designation
ISL030AL	JT660AL	30 mm	Protective hose
ISL040AL	JT660AL	40 mm	Protective hose
ISL050AL	JT660AL	50 mm	Protective hose
ISL060AL	JT660AL	60 mm	Protective hose
ISL070AL	JT660AL	70 mm	Protective hose
ISL080AL	JT660AL	80 mm	Protective hose
Art. no.	Material	Dimensions	Designation
SPH001KAN	JT660KAN	Standard	Welding gun hand shield



• Glare shield for welding heads



• Welding tongs sleeve



• Protective hose with and without Velcro-type fastener





## WELDING CURTAINS.



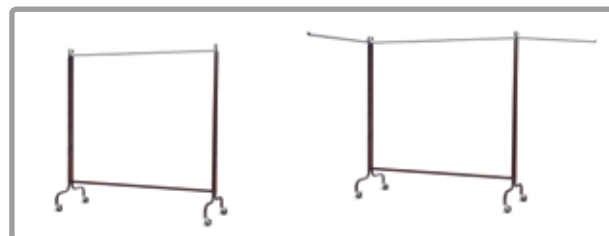
JUTEC® curtains are produced in all widths and lengths, also as vertical blinds with and without transparent viewing slats. The curtains are hung and extended by means of hooks, eyes, loops, rings and press studs.



### Welding curtains with viewing window

- With vertical blind window (500 mm)
- With eyes on one side
- Also available in a mobile frame!

Art. no.	Dimensions [mm]	Heat protection	Note
SV1015A [ÖR1]	1000 x 1500	200°C	A = Cotton canvas (olive) + PVC
SV1015B [ÖR1]	1000 x 1500	600°C	B = JT650G1 + PVC
SV1015C [ÖR1]	1000 x 1500	850°C	C = JT600HT + PVC
SV1015D [ÖR1]	1000 x 1500	1150°C	D = JT900HT + PVC
SV0915E [ÖR1]	900 x 1500	1300°C	E = JT1200HT + PVC
Mobile frame for protection curtains			
TW-Z-TW-2000	Approx. 1950 x 2070	1150°C	Frame (single section)
TW-Z-TW-4000	Approx. 4000 x 2070	1150°C	Frame with two hinged arms (3-section)



### Woven fabric curtains

- With eyes on one side

Art. no.	Dimensions [mm]	Heat protection	Note
SV1010BW [ÖR1]	1000 x 1000	200°C	Cotton canvas, approx. 420 g/m <sup>2</sup>
SV1010G1 [ÖR1]	1000 x 1000	600°C	JT650G1, approx. 650 g/m <sup>2</sup>
SV1010CS [ÖR1]	1000 x 1000	850°C	JT600HT, approx. 1070 g/m <sup>2</sup>
SV1010WS [ÖR1]	1000 x 1000	1150°C	JT900HT, approx. 1000 g/m <sup>2</sup>
SV0910Si [ÖR1]	900 x 1000	1300°C	JT1200HT, approx. 1250 g/m <sup>2</sup>

### Woven fabric curtains for radiant heat protection

- With eyes on one side

Art. no.	Dimensions [mm]	Heat protection	Note
SV1010KA-3 [ÖR1]	1000 x 1000	1000°C	Aramid woven fabric with aluminium coating on one side
SV1010KA-4 [ÖR1]	1000 x 1000	1000°C	E-glass woven fabric with aluminium coating on one side



Additional qualities and dimensions available upon request!

### Fixtures

Art. no.	Ø	Material	Note
SVÖ00017	16	Brass	eye
SVR00040	40	Steel	ring



Eyes and rings available on several sides upon request!

References.



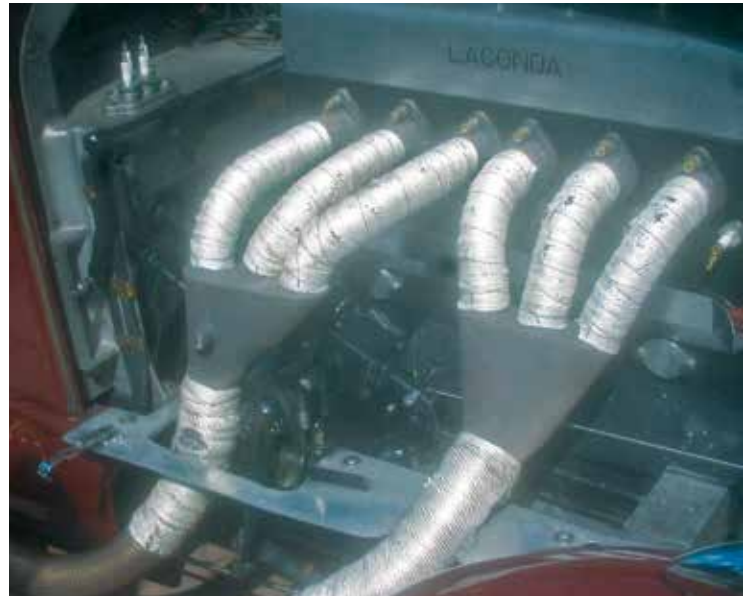
Diesel engine jacking in ships



Exhaust gas insulation



Equipment jacking in shipyards during welding work



Exhaust manifold insulation



Jacking for heating screws (before final assembly)



Glare protection for cutting heads of plasma systems

.....



*Small ship diesel engine with insulation for different temperature ranges*



*Gas tank insulation on a forklift truck*



*Protection hoses for hydraulic lines*



*Insulation of a particulate filter*



*Exhaust gas insulation for racing engines*

## Our additional catalogues.

Work protection



Heat protection



Laser protection

