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# Heating Mats/Heating Jackets

Heating mats and jackets consist of textile materials which cling closely to the object being heated. To ensure a long service life, only high-grade materials are used. The selection of the material to be used depends on the conditions of usage. Criteria include the operating temperature and location of the application.

Aluminium-coated glass fabric is used for surface temperatures up to 160°C, while plastic fabrics are used for temperatures up to 80°C. Textile glass is used up to 450°C. Eyelets, hooks and Velcro fasteners are used for fastening.

Depending on the specification, our heating mats and jackets can also be manufactured for use in hazardous locations.

Heating jackets with a metal outer jacket can be used depending on the application, for example if high durability is required due to excessive load conditions. They are especially robust due to their design. Hinges and adjustable clamp fasteners are used to compensate for tolerances in the external diameter.

All heating mats/jackets are manufacture only according to customer's requirement - No standards versions available.



Heating jacket with sheet metal outer jacket.



Heating jacket for hazardous locations, semi-round.



Simple mat with different layout combinations

Possible combinations				
Heating surface material	Plastic fabric with and without PU/PVC coating	Textile glass with silicone or PTFE coating	Textile glass without coating	Quartz fabric without coating
Fasterning / closure	Velcro fastener	Eyelets, hooks and Velcro fastener	Glass adhesive tape	Quartz lacing
Insulation of heating conductors	PTFE	Textile E-glass	Quartz fabric	Quartz fabric
Thermal insulation	Plastic foam	Needled glass fleece	Silicone foam	Needled quartz fleece, Ceramic wool
Outer jacket of thermal insulation	The following outer jackets can be used, depending on low surface temperatures on the insulation: <ul style="list-style-type: none"> <li>• Plastic fabrics up to 80°C</li> <li>• Aluminium-coated glass fabric up to 160°C</li> <li>• Textile glass with silicone coating up to 180°C</li> <li>• Textile glass with PTFE coating up to 220°C</li> <li>• Textile glass up to 450°C</li> </ul>			

Nominal temperature	80°C - 450°C (depending on materials used)
Nominal voltage	PTFE 500V / E-Glass 300 - 400V (depending on temperature and strain)
Maximum area output	Up to 12.500 W/m <sup>2</sup> (depending on heating element used)