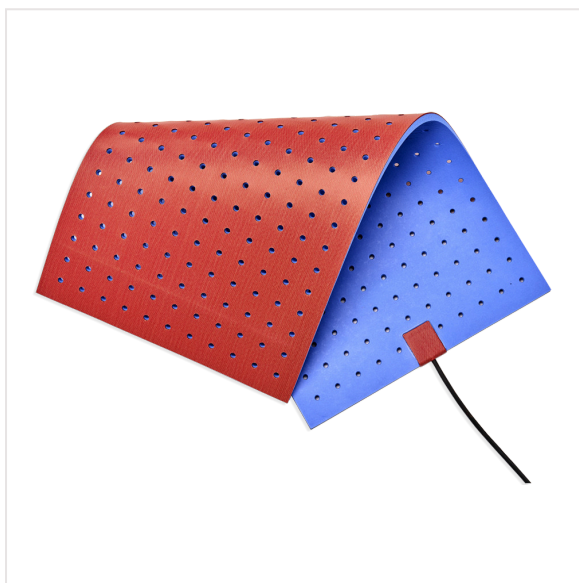


Silicone Heating Mats

Flexible wire-wound silicone heaters — mats, blankets and wraps made to your shape

A silicone heating mat brings even, controllable surface heat to almost any object. Thin, flexible and hard-wearing, each one is built to the shape, size and power your application needs. For industrial use only.



AT A GLANCE

- ✓ Wire-wound silicone rubber — precise, even surface heating
- ✓ Flexible & lightweight — wraps around pipes, tanks and curved surfaces
- ✓ Wide temperature range — -60°C to 250°C
- ✓ Moisture & chemical resistant — IP64 or IP65, UL & VDE available
- ✓ Bespoke design — any shape, size and power, with adhesive backing or straps
- ✓ Made in Europe to a premium quality standard — built to last in industrial use

DESCRIPTION

Each mat is built from evenly spaced resistance wires laminated between sheets of silicone rubber. The result is thin and flexible, yet tough — it delivers precise, even heat across the whole surface.

Because the heater bends and drapes, it sits directly against the object it heats — flat plates, curved tanks, pipes and awkward shapes alike — for efficient, direct heat transfer.

The silicone withstands moisture, weather and a wide range of chemicals, so the same heater suits catering, laboratory, telecom, battery and process duty — anywhere reliable surface heat is needed.

Every mat is made in Europe to a premium quality standard, specified for demanding industrial duty and a long service life. For industrial use only — operate with trained personnel familiar with heating-equipment safety.

APPROVALS



Made to your shape

There is no fixed catalogue — every heater is designed around the job. Choose the outline, cut-outs, fixings and power, and we build it. A few examples:



Wrap-around sleeves

Rolled to a set diameter to heat pipes, cylinders and tubes evenly from all sides.



Strap-on mats

Quick-release straps and buckles hold the mat firmly against tanks, drums or frames.

TECHNICAL DATA

Construction	Wire-wound silicone rubber
Temperature range	−60°C to 250°C
Self-adhesive range	−30°C to 180°C
Thickness	1,1–3,0 mm

Max size	940 × 3000 mm
Protection	IP64 / IP65
Thermal conductivity	0,22 W/m/K
Power rating	Variable — to application

Good resistance to weather & ageing, fungus & bacteria, acetone, alcohol, acids, brake fluid, greases, waxes and plasticisers. Steam resistant to 130°C / 2,5 Bar. Complies with BS EN 60335-1; install on a supply protected by a residual-current circuit breaker. Adhesive backing, high-temperature and low-smoke / low-toxicity material options available.

TYPICAL APPLICATIONS

- Industrial catering
- Battery warming
- Telecommunications
- Laboratory equipment
- Snow melting
- Anti-condensation
- GRP pipe curing
- Process & surface heating

How the technologies compare

Flexible surface heaters come in a few constructions. Wire-wound silicone reaches the widest temperature range and the largest sizes — the reason it is our standard for demanding industrial duty.

	KAPTON	SILICONE WIRE WOUND	SILICONE ETCHED FOIL
TEMPERATURE RANGE	−40°C to 200°C	−60°C to 250°C	−60°C to 200°C
THICKNESS RANGE	0,2–0,3 mm	1,1–3,0 mm	0,8–1,5 mm
MAXIMUM SIZE	285 × 550 mm	940 × 3000 mm	595 × 2500 mm
UL & VDE APPROVAL AVAILABLE	—	✓	✓
SUITABLE FOR HIGH QUANTITY	✓	—	✓
LOW SMOKE / LOW TOXICITY AVAILABLE	—	✓	✓

Figures are indicative maximums for each construction; the right choice depends on the application. Ask us and we will recommend the best fit.



Made in Europe to a premium quality standard

Our silicone heaters are manufactured in Europe and specified for demanding industrial duty and a long service life — the same materials, tolerances and testing on every unit, whether a single bespoke mat or a production batch.

Plug options

Supplied without plug as standard. Add the plug that matches your installation – other plugs on request.

STANDARD  No plug Open cable end Supplied as standard —	230 V  Type F · Schuko CEE 7/7 EU · 16 A K-9099ADE	230 V  CEE 16 A, 3-pin IEC 60309 (blue) Industrial · 16 A · IP44 K-9099AEU230	230 V  Type G · UK 13 A BS 1363 UK / IE · 13 A K-9099AGB
230 V  Type J · Swiss 10 A SEV 1011 CH · 10 A · IP55 K-9099ACH	230 V  Type K · Danish DS 60884-2-D1 DK · 13 A K-9099ADK	230 V  Type I · Australian 10 A AS/NZS 3112 AU / NZ · 10 A K-9099AU	

Other plugs available on request. Specify the plug item number when ordering.

Contact your distributor for a quote

Quote the item number from this brochure when you order.