

## VERSATILE & PRECISE SILICONE HEATER MATS

- ⊕ COMPUTER DESIGNED TO YOUR EXACT SPECIFICATION
- ⊕ LIMITLESS APPLICATIONS FROM -60°C TO 250°C
- ⊕ INTEGRATED SENSOR AND SYSTEM CONTROLS
- ⊕ VIRTUALLY ANY SIZE, SHAPE OR CUTOUTS

MANUFACTURED IN THE UK FROM HIGH QUALITY MATERIALS  
WITH CE, UL AND VDE APPROVALS

**hawco** 

**Silicone rubber heater mats** offer a versatile and completely customisable alternative to other process heating methods within a precise wattage range. This provides **limitless design possibilities**.

Mats can be produced to fit in the palm of your hand up to a maximum of 940mm wide and 3 metres long. To accommodate the exact area to be heated, **any shape can be produced**, complete with holes and cutouts.

Every customised mat is computer designed and can be supplied with multiple options for fixing securely into place or controlling the set temperature. We can also provide **detailed power calculations** or offer advice on watt density to achieve the desired warm-up time.

Standard items can be supplied within a few days and lead time on customised items is typically two weeks from concept to delivery.



### COMPLETELY CUSTOMISED

Virtually any custom size, shape or cutouts can be designed into each heater mat

- Consistent, uniform and rapid temperatures between -60°C and 250°C
- Can be supplied as 12, 24, 110, 230 or 240v
- Available with adhesive backing for quicker installation and and more accurate heat transfer

### QUALITY MATERIALS

Moisture and chemical resistant materials, using either wire wound or etched foil elements

- Range of silicone thickness between 1.1mm and 3mm
- High temperature tolerance and excellent insulating properties
- Reinforced fibreglass PTFE or Kapton also available when higher temperatures required

### TOTAL CONTROL

Directly integrate temperature sensors, thermocouples and overtemperature cutouts

- Design advice on the most appropriate control options for your application
- Can be positioned anywhere on the mat and with your choice of lead type and length
- Directly and securely bonded to the heater mat using proven production techniques

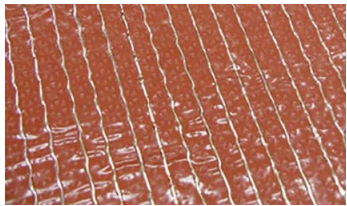
### EFFICIENT PRODUCTION

Manufactured in the UK to ISO9001 standards

- Products meet all relevant European directives and are CE marked accordingly
- VDE approval and UL/CSA recognised products available on request
- Lead times typically 10 working days for customised items. Stock holding agreements available for regular orders.

## Wire Wound

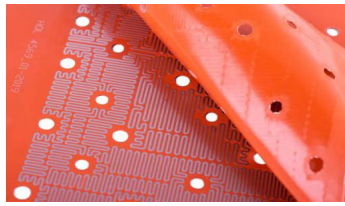
Max 180°C - ideal for small quantities and prototypes



Also suitable for larger heater mats

## Etched Foil

Max 180°C - best for high power densities and larger quantities



## Standard Sizes



Standard rectangular or round mats available at short notice ranging from 1.25w to 533w and 25mm to 550mm

## Custom Shapes



## Spiral Heaters & Formed to Fit Pipes



We supply heater mats for a vast array of applications. Many of our customers use them within professional catering equipment, often fitted under a Schott Ceran ceramic glass panel in a heated cooktop assembly - but the versatile nature of silicone rubber heater mats means that they are also used as ceiling mounted radiant heating panels, as part of laboratory equipment and analytical instruments and for protecting electrical equipment during cold weather, to name but a few.

## Customisable Options



Adhesive Backing for Easy Fixing or Repositioning



Temperature Sensors & Thermocouples



Thermal Limiters and Safety Cutouts



Insulation



### Other applications include:

Battery warming, car tyre warmers, vending machines, brewery fermentation, printing machines, plastic bonding and pipe curing



## Available for Next-Day Delivery

Supplied with an adhesive backing. Typically used under Ceran glass as heating elements for catering and food service.

### 230V Heaters

PART	SIZE	WATTAGE
308-080-131	200mm x 400mm	150w
308-080-261	250mm x 150mm	200w
REP HEATER 400X500 M	350mm x 450mm	275w
REP HEATER 450X500 M	400mm x 450mm	350w
REP HEATER 500X500 M	450mm x 450mm	350w
REP HEATER 530X323 M	480mm x 273mm	350w
REP HEATER 600X500 M	550mm x 450mm	400w
308-080-281	450mm x 450mm	500w

## Available Within 5 Days

A selection of standard sizes using etch foil, silicone rubber insulated heating element with adhesive backing. 0.13mm thick pressure sensitive acrylic.

### 12V Heaters

PART	SIZE	WATTAGE
SRM004	25mm x 50mm	1.25W
SRM013	50mm x 50mm	2.5W
SRM017	50mm x 75mm	3.75W
SRM005	50mm x 100mm	5W
SRM006	50mm x 150mm	7.5W
SRM018	75mm x 100mm	7.5W
SRM007	75mm x 200mm	15W
SRM019	100mm x 100mm	10W
SRM014	100mm x 150mm	15W
SRM003	150mm x 200mm	30W
SRM012	200mm x 300mm	60W
SRM008	200mm x 400mm	80W
SRM009	50mm Diameter	2W
SRM023	75mm Diameter	4W
SRM024	100mm Diameter	8W

### 240V Heaters

PART	SIZE	WATTAGE
SRM015	100mm x 150mm	50W
SRM016	100mm x 150mm	100W
SRM020	150mm x 200mm	100W
SRM002	150mm x 200mm	200W
SRM021	200mm x 300mm	200W
SRM010	200mm x 300mm	400W
SRM022	200mm x 400mm	267W
SRM011	200mm x 400mm	533W

Includes a 17mm diameter hole in the centre

## Available On Request

Contact us for all bespoke or customised applications for a detailed specification and estimated lead times.

## GOT A PROJECT IN MIND? WE CAN HELP

Every day, our in-house design team advise OEM customers on the components they need.

We can source a suitable part from an existing design specification or set of technical drawings. Or we can investigate a number of different solutions based on original requirements.

If you want advice on how to improve your product or reduce its cost, discuss your project with us.



**REQUEST A TEST SAMPLE  
FOR YOUR PRODUCT DESIGN**



**ARRANGE A MEETING  
WITH A TECHNICAL EXPERT**



**SEND US YOUR  
PROJECT SCOPE**

TO TALK TO OUR EXPERT TEAM,  
CALL +44 (0)1483 869 070 OR  
EMAIL [SALES@HAWCO.CO.UK](mailto:SALES@HAWCO.CO.UK)

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