



Flexible Silicone Heating Elements

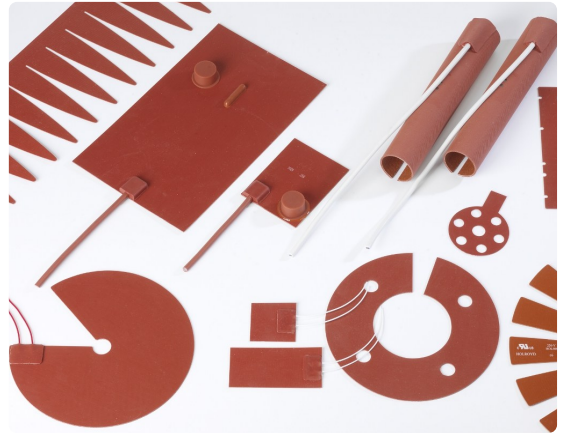
The highly efficient solution for homogeneous surface heating

Heating a large area with little installation space?

It's easy with flat or pre-rounded silicone heaters from Freek. Whether round, rectangular or polygonal; whether 6V, 230V or 575V. From -60 to +250°C, many things are possible.

Freek silicone heaters have become indispensable in a wide range of applications. Their flat construction and flexible, customised design are particularly suitable for tight installation spaces. An application-specific power output ensures highly efficient heating.

The high degree of design freedom allows easy installation, even on rounded or uneven surfaces, starting from a quantity of 1. Freek heating mats can be pressed on, tensioned with springs or attached with self-adhesive film. Additional process reliability is possible by attaching temperature limiters, PT 100, thermocouples and other sensors as an option.



Your **advantages** at a glance

- **Flexibility:** Maximum freedom in design, shape and power distribution.
- **Fitting:** Ideal for cylindrical, conical and rounded surfaces.
- **Installation:** Very simple with self-adhesive foil, tensioned with springs or tapes or vulcanised ex factory.
- **Process reliability:** Add-on parts such as sensors, limiters, fuses or special cables according to customer requirements.
- **Certifications:** As required UL/CSA - VDE - CE/UK CA - IP
- **Availability:** Standard dimensions available within 24 hours.

Successful applications for Freek silicone heaters:

- Keeping **aerials** and **parabolic antenna** frost-free
- Preheating **batteries**
- Maintaining the temperature in **hoses** or **pipes**
- Warming **wood** before bending (e. g. in bow or violin making)
- Heating print beds in **3D printers**
- Heating aluminium heating plates in **medical technology**
- Process heat for the production of **blister packs**
- Heating plates in **wafer production**



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Examples of our silicone heaters:

Self-adhesive



Simple installation

Preformed



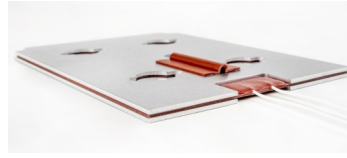
Accurate fit

Spiral heater



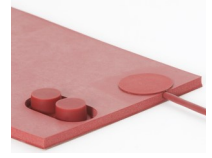
Variable diameters
for tubes

With alu plate



Even heat distribution

With foam



Reduced heat losses

Subject to technical changes.