

TECHNICAL DATA

THE FUTURE OF HEATING



Mi-Heat High Power Heating Film 1000W/m²

Dimensions	26 x 160 cm / 56 x 220 cm
Power supply	230V / 50 Hz
Power consumption per m²	1500 W/m ² (+/- 10%)
Power consumption per cut	416 W / 1232 W (+/- 10%)
Material thickness	0,3mm
Heating surface per m²	ca. 96%
Efficiency	98%
Protection type / class	0 / IP00
IR spectrum	7-12 Micrometres
Insulation	none
Shortenable	yes
Temperature resistance	up to 150°C



The Mi-Heat High Power heating film consists of a carbon fibre fabric coated with a conductive polymer. Copper bus bars are attached to the outer edges of the coated fabric by a special sewing process to supply voltage to the element.

As soon as a voltage is applied to the copper strips of the heating film, the carbon material heats up and emits long-wave infrared radiation with an IR wavelength of 7-12 micrometres (IR-C radiation).

The heating films are supplied uninsulated! Depending on the application and operating temperature, they can be electrically insulated within polyester/polyethylene laminate films or incorporated between layers of mica film (0.2 or 0.3 mm thick).

The Mi-Heat High Power heating film is used, for example, for low temperature wall/ceiling radiant panels, industrial process heaters and floor/ceiling heating elements.

When installing the heating element, attention must be paid to the thermal and mechanical protection of the film according to the applicable standards. The fabricator acts here as the manufacturer and distributor of the product on the market and is obliged to comply with all applicable standards and regulations.



Mi-Heat Heizsysteme GmbH

Ol Streek 39a | 26607 Aurich | Deutschland

Tel.: +49(0)4941-6971930 | Web: mi-heat.de | Mail: info@infrarot-fussboden.de