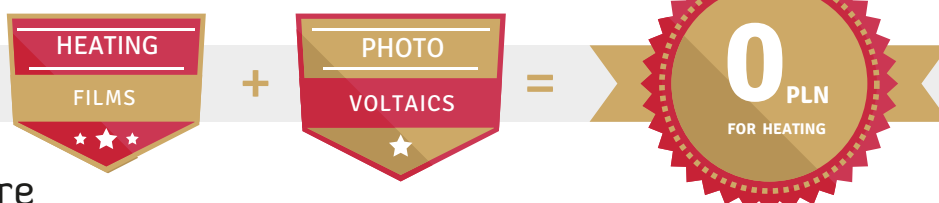


Red Snake is a leader of the heating film industry in Poland. With our heating films you can create failure-free, comfortable, and super-efficient heating systems in houses, flats, and other facilities.

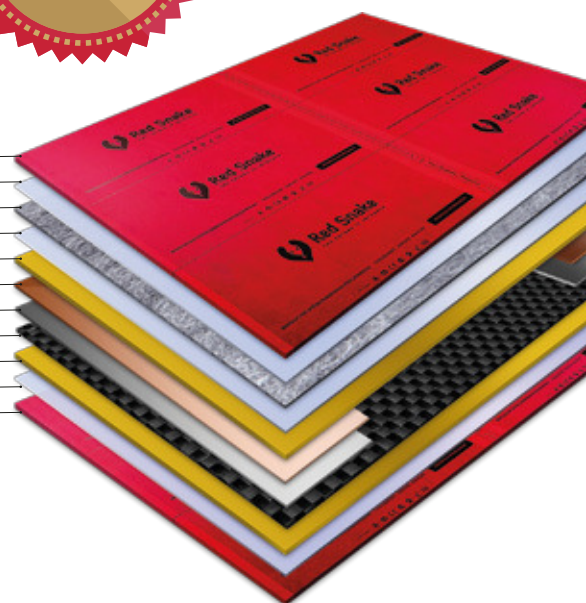


Structure

The Red Snake heating system is made from thin layers which, when combined, create an amazingly durable heating film that is resistant to external factors. The heating element is the carbon mat – its uniform structure heats with its entire surface. The whole structure is covered with several layers of plastics, which prevents penetration by moisture and oxidation of copper electrodes.

There is no combustion, so there is no danger of a carbon dioxide poisoning, fire or explosion. Thanks to the application of the infrared effect, the Red Snake heating system does not cause dust drifting, does not emit any sounds or vibrations. The infrared heating makes the system maintenance-free and there is no need for servicing. Absence of moving elements ensures a long life of the system.

HARDENING LAYER
PET FILM
UNWOVEN CLOTH
PET FILM
POLYURETHANE
COPPER BAR
SILVER BAR
CARBON MATERIAL
POLYURETHANE
PET FILM
HARDENING LAYER



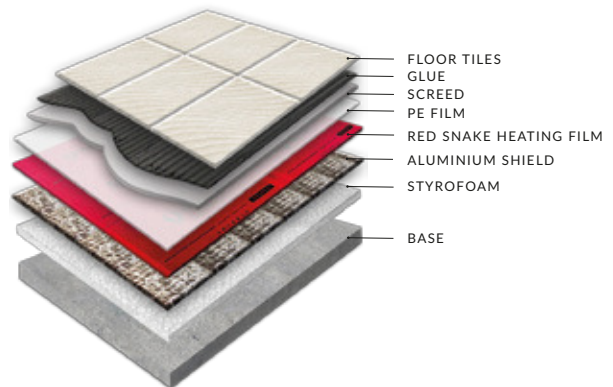
Technical parameters

PHYSICAL PARAMETERS	HF-RS 220 W	HF-RS 400 W
film thickness	0,4 mm	0,4 mm
roll width	2 x 50 cm	3 x 33 cm
roll length	75 m	75 m
roll weight	42.5 kg	43.5 kg
ELECTRIC PARAMETERS	HF-RS 220	HF-RS 400
voltage	230 V	230 V
power	220 W/m ²	400 W/m ²
power tolerance	± 10%	± 10%
degree of protection	IP 41	IP 41
maximum stripe length	6 m	3,3 m
ELECTRIC PARAMETERS	HF-RS 220	HF-RS 400
installation location	floor	ceiling/wall
maximum temperature	~ 60 °C	~ 80 °C
operating temperature	~ 40 °C	~ 60 °C
external temperature probe	yes	no
efficiency	99%	99%

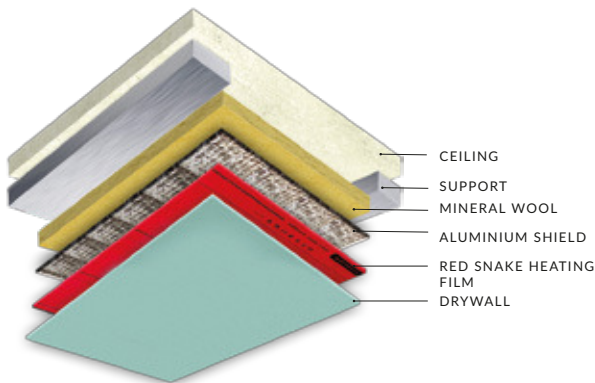
Manner of installation



INSTALLATION ARRANGEMENT FOR PANELLED FLOORS



INSTALLATION ARRANGEMENT FOR TILED FLOORS






INSTALLATION ARRANGEMENT FOR CEILINGS

Other methods of installation possible after consultation with the RED SNAKE's technical department:

TECHNICAL DEPARTMENT

Health and Safety

-  Studies conducted at Wrocław University of Science and Technology under supervision of Prof. P. Bieńkowski, PhD. Eng. have proved that heating with the Red Snake heating films is absolutely safe in terms of electromagnetic field effects on human health.
-  Red Snake heating films meet all stringent safety standards of the EU.
-  The heat emitted by Red Snake films in far infrared has a favourable effect on human health.

Installation materials and accessories



YLgY WIRE



CONNECTORS



BUTYL TAPE



INSULATING TAPE