

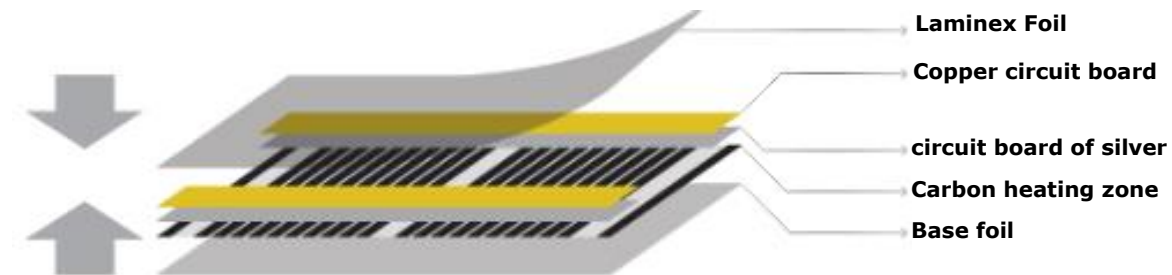
## floorino® heating foil

### Product description

The improved floorino heating foil provides for increased living comfort while reducing energy costs at the same time.

Floorino is laid between the footfall sound insulation and the vapour barrier and connected to your power supply. With floorino thermostats, the temperature can be set to the exact degree - optionally with a timer.

### Product structure



### Product advantages

#### Economical heating - 30% cheaper than conventional heating with electricity and 50% cheaper than oil heating.

- + The extremely high efficiency reduces heating costs.
- + Special infrared rays prevent discrepancies in the upper and lower temperature range. This ensures an excellent heating effect.
- + Energy costs can be reduced to a minimum by partial heating.
- + No repair or maintenance costs. (Durable heating system)

#### Healthy heating - Pleasant heat radiation through infrared rays.

- + The desired temperature is reached within a few minutes.
- + Many anions are produced on the surface of the heating foil, which increase your wellbeing in the long term.

#### Simple product and installation structure - Quick installation also possible later.

- + Place floorino heating foil between the footfall sound insulation and the vapour barrier.
- + The existing floor need not be removed and the foil can be laid directly.
- + Due to the low thickness of the heating foil (0.34mm) you lose much less room height than with conventional floor heating systems.

### Safe heating - protective coating prevents accidents.

- + No flame is necessary for ignition, so there is no danger of CO<sub>2</sub> or conduction band.
- + No freezing possible, as with water-operated heating systems.

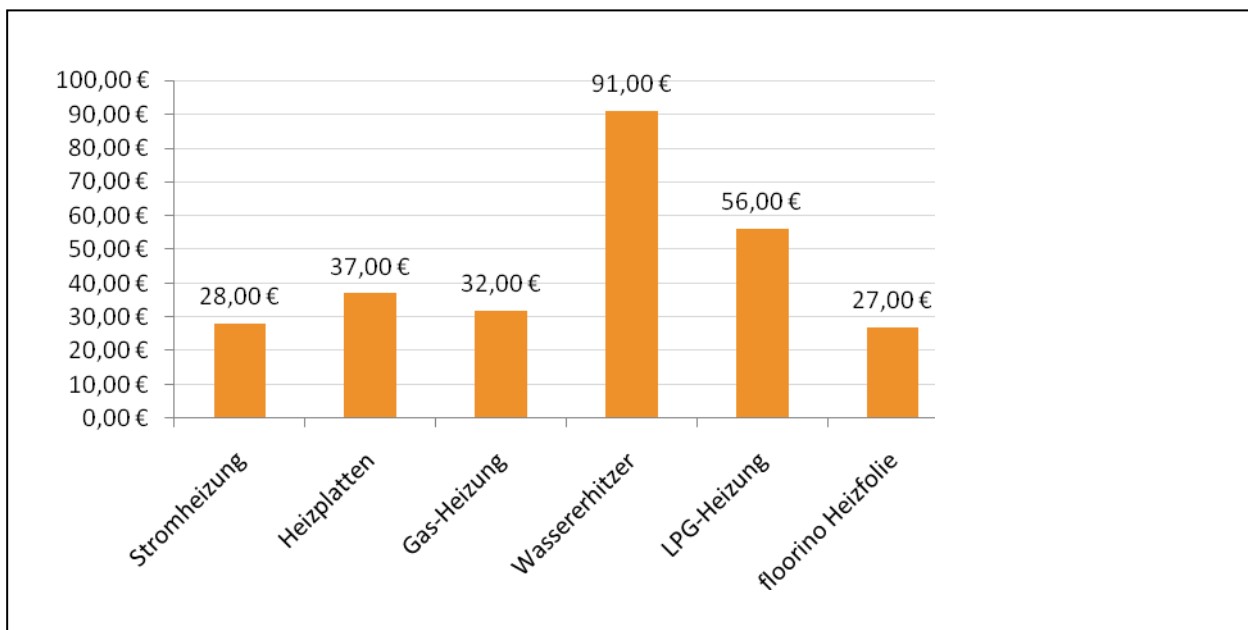
### Versatile - also suitable for hospitals, fitness studios and nursing homes.

- + There are no burns as with oil-operated heating systems.
- + Absolutely silent, vibration and emission free.

### Comparison of different heating systems

Classification	Oil / gas heating boiler	Instantaneous water heater	Hot plates	Floorino heating foil
Energy type	Fossil fuels	Electrical (current)	Electrical (current)	Electrical (current)
Heating method	Heat convection, heat conduction	Heat convection, heat conduction	heat conduction	Heat radiation
infrared rays	no	no	no	≥ 90%
Heating speed	30-60 minutes	30-60 minutes	15-30 minutes	4-10 minutes
Durability	ca. 10 years	ca. 5 years	ca. 3 years	everlasting
Disadvantages	Freezing hazard, high energy costs	susceptible to faults, poor temperature control	Water heater required, no space heating	

### Comparison of heating costs (1 day / 8 hours, 1 month / 30 days)



## Applications:

### Apartment, hotel, school and dormitory

With floorino temperature controller each room can be controlled individually.

### Commercial and office equipment

A pleasant room air is generated without additional devices.

### Restaurant

The infrared rays create a feeling of well-being and increase your income.

### Pensions, country houses, bungalow

Set the desired room temperature without malfunctions, gas and oil deliveries.

### Kindergarten

The floorino underfloor heating system provides a constant warm living space for children. The unique infrared heating system has a positive effect on health.

### Hospital, clinic

There are no waste products and emissions from combustion processes as with oil heating systems and the air we breathe remains clean.

### Church, Temple, Training Center

In contrast to fan heaters, a pleasant and refreshing climate is created.

### Containers, modular room systems

As long as there is a power connection, floorino panel heating can be installed quickly and easily.

### Balcony, reconstruction

The floorino heating foil can be installed without any restrictions under building law. The installation costs much less than conventional heating systems.

Technical data	
Material	PE, PET, silver, copper, EVA, EEA
Temperature range	0°C / +50°C
Temperature resistance	bis 80°C
Roll width	500 mm
Roll length	According to customer requirements (maximum 100 m)
Thickness of the film	0,338 mm
Power consumption	bis 80W/m <sup>2</sup>

The distribution takes place via the specialized trade.

The information given in this data sheet corresponds to our knowledge and experience at the current time. However, unless expressly agreed upon, they do not constitute a warranty in the legal sense. The state of knowledge and experience is constantly evolving. Please ensure that you always use the latest edition of this data sheet. Special conditions and circumstances in individual cases cannot be taken into account in the description of product uses. Therefore, please check our products for their suitability for the final application. Status: 03/2011

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