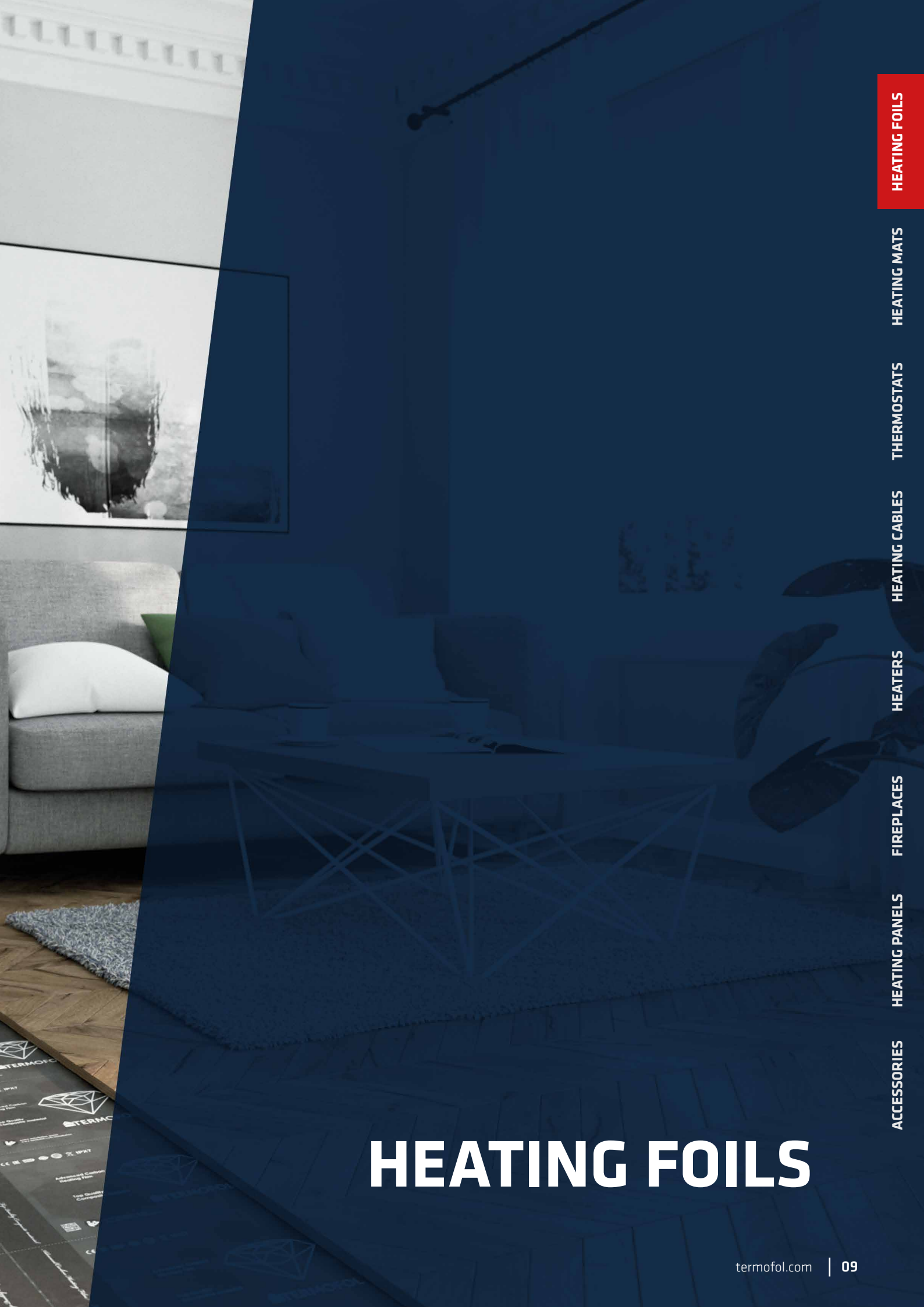


# HEATING FOLDS





HEATING FOILS

HEATING MATS

THERMOSTATS

HEATING CABLES

HEATERS

FIREPLACES

HEATING PANELS

ACCESSORIES

# HEATING FOILS



# HEATING FOIL

ISO 9001 ISO 14001



RoHS  
COMPLIANT

## Economical solution

We are pleased to present our offer including infrared heating foils and accessories for its installation. The heating foil is an ultra-thin radiator designed for installation under the floor. Thanks to its properties, it is a convenient, cheap and reliable source of heat in your home.

## What is the difference between heating foil and traditional heating?

First of all, it uses infrared radiation, which does not heat the air, as is the case in standard systems. Infrared heats specific objects and people. A characteristic feature of our foils is their simple design and quick heating - the room in which the heating foil is installed reaches the set temperature in several minutes. Thanks to this, it is a cheap and ecological source of heat. The lack of mechanical parts makes this system failure-free.

**15-YEAR**

**WARRANTY  
FOR FOIL\***



*\*15 years when installed by an authorized Termofol partner*

## ▼ A simple and economical heating system that features:



■ No radiators or pipes



■ No boiler room



■ Quick assembly – house  
120 m<sup>2</sup> in 1 – 2 days



■ It does not require  
floor reinforcement



■ It does not raise dust mites  
or dust, making it friendly  
to allergy sufferers



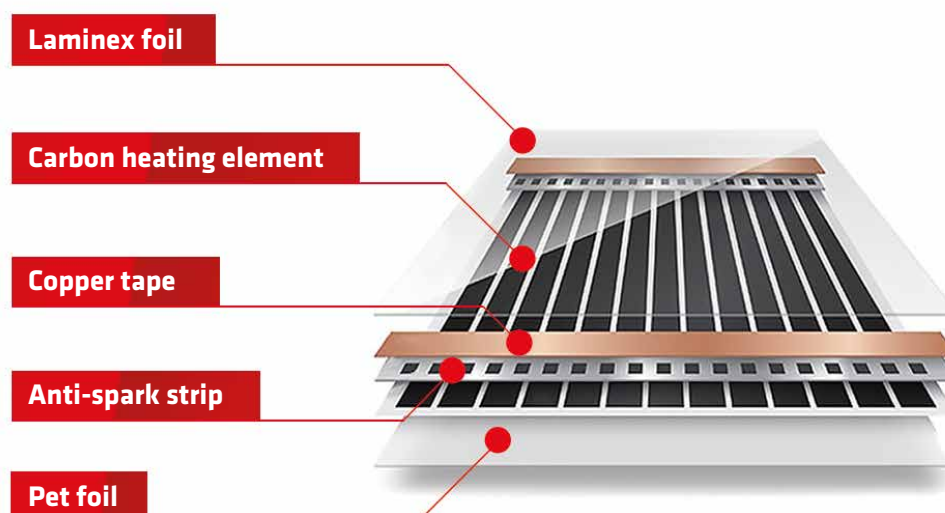
■ It can be used in new  
and existing buildings

## ▼ Benefits at the use stage

- Failure-free
- No maintenance required
- Different temperature in each room
- Uniform heat distribution
- Fast heating of rooms
- Programmable thermostat



## ▼ Construction of the heating foil



# HEATING FOIL

## Usage



### ■ Heating houses and apartments

Use of the foil system as basic heating of houses, apartments or as an alternative to the currently installed heating. Additionally, the foil can be used as a heater and a mirror anti-fog system.



### ■ Hotels and guesthouses

Individual heating of individual rooms in hotels guarantees the lowest heating costs. We avoid unnecessary heating of interiors at low occupancy.



### ■ Restaurants

The lack of radiators on the walls allows for free interior design. Surface heating controlled by a thermoregulator allows full control of the temperature in each zone, reducing operating costs.



### ■ Churches

Heating religious buildings with heating foils is an efficient way to provide warmth to the faithful. The heating foil system guarantees immediate heat and low operating costs.



### ■ Office

Heating with our heating system guarantees thermal comfort in the workplace. Our modern thermostats allow you to set a work schedule so that the system lowers the temperature outside office opening hours.



### ■ Fitness

The use of surface heating guarantees precise temperature regulation, the heat spreads evenly, creating an ideal atmosphere for people exercising.



### ■ Kindergartens

The heating foil gives the effect of a warm floor. Unlike other forms of heating, it creates ideal conditions for children to learn and play.



### ■ Camping / Caravaning

Heating foil powered by direct current is an ideal source of heat in caravans, campers and wherever we do not have access to 230V.

## ▼ Specification

Model	Width	Thickness	Power rm	Power m <sup>2</sup>	Length per roll	Roll weight	Maximum temperature	Voltage
TF-3025T	25cm	0.338mm	55W	220W	150m	19kg	55 °C	AC230V
TF-305T	50cm	0.338mm	110W	220W	150m	39kg	55 °C	AC230V
TF-310T	100cm	0.338mm	220W	220W	100m	49kg	55 °C	AC230V
TF-3025TL	25cm	0.338mm	35W	140W	150m	19kg	42 °C	AC230V
TF-305TL	50cm	0.338mm	70W	140W	150m	39kg	42 °C	AC230V
TF-310TL	100cm	0.338mm	140W	140W	100m	49kg	42 °C	AC230V
TF-3025TT	25cm	0.338mm	20W	80W	150m	19kg	32 °C	AC230V
TF-305TT	50cm	0.338mm	40W	80W	150m	39kg	32 °C	AC230V
TF-310TT	100cm	0.338mm	80W	80W	100m	49kg	32 °C	AC230V
TF-3025TH	25cm	0.338mm	15W	60W	150m	29kg	29 °C	AC230V
TF-305TH	50cm	0.338mm	30W	60W	150m	39kg	29 °C	AC230V
TF-310TH	100cm	0.338mm	60W	60W	100m	49kg	29 °C	AC230V
TF-305ET	50cm	0.338mm	200W	400W	150m	38kg	75 °C	AC230V
TF-303DC12V	30cm	0.338mm	67W	220W	150m	23kg	55 °C	DC12V



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# HEATING FOIL - SETS

## Heating foil with a thermostat for self-assembly

Infrared heating foils can be installed yourself thanks to ready-made assembly kits. The set includes all the necessary elements for quick assembly. The attached instructions will guide you through the entire foil installation process.



### ▼ The kits contain all the necessary elements:

- TERMOFOL heating foil
- Selected TERMOFOL thermoregulator
- Flush-mounted electric mounting box
- Plastic protective conduit
- Tape for mounting the TERMOFOL heating foil
- Additional accessories - meter, knife, clear instructions installation and warranty card

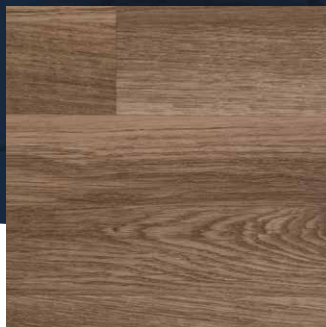


## ▼ Types of floating floors under which heating foils can be installed

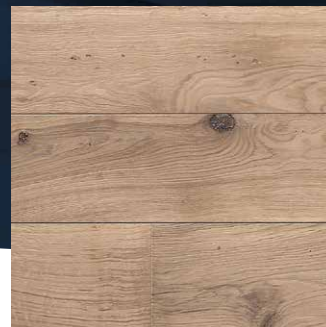
■ Laminate panels



■ Vinyl panels



■ Layered board



## ▼ Detailed information



■ Thickness



■ Power



■ Width



■ Cutting every 25 cm





## PREMIUM HEATING FOIL



# TERMOFOL DIAMOND

A technologically advanced product using the latest scientific experience in the field of nano-molecular carbon structures.

**TERMOFOL DIAMOND** is a PREMIUM brand of TERMOFOL products characterized by special attention to above-standard design and quality. Heating foils from the TERMOFOL DIAMOND line are produced based on ultra-modern technological solutions. In the production process, we use the latest scientific experience in the field of nano-molecular carbon structures. This allows you to achieve the highest quality and durability of the product while maintaining all the advantages of infrared heating.

Similarly to the classic version, the base of the TERMOFOL DIAMOND line heating foil is PET foil, however, thanks to its increased thickness and stiffness, it is characterized by much higher resistance to mechanical damage and abrasion. It also has a high insulation factor and is fireproof, making the entire system safe. The heating foil of the TERMOFOL DIAMOND line is powered by a highly conductive copper connecting tape, powering modified carbon heating sections.

**30-YEAR**

**WARRANTY**  
FOR PREMIUM FOIL



## ▼ Specification

Model	Width	Thickness	Power m	Power m <sup>2</sup>	Length per roll	Roll weight	Maximum temperature	Voltage
DTF-505T	50 cm	0,370 mm	110 W	220 W	130m	39kg	55 °C	AC230V
DTF-510T	100 cm	0,370 mm	220 W	220 W	80m	41kg	55 °C	AC230V
DTF-505TL	50 cm	0,370 mm	70 W	140 W	130m	39kg	42 °C	AC230V
DTF-510TL	100 cm	0,370 mm	140 W	140 W	80m	41kg	42 °C	AC230V
DTF-505TT	50 cm	0,370 mm	40 W	80 W	130m	39kg	32 °C	AC230V
DTF-510TT	100 cm	0,370 mm	80 W	80 W	80m	41kg	32 °C	AC230V
DTF-505TH	50 cm	0,370 mm	30 W	60 W	130m	39kg	29 °C	AC230V
DTF-510TH	100 cm	0,370 mm	60 W	60 W	80m	41kg	29 °C	AC230V

**TERMOFOL DIAMOND** line products are available only in combined sales with the design and installation service provided by Termo-fol Sp. z o. o., and a network of installers certified for this brand. This allows you to maintain greater control over the quality of both technical advice and the installation and user training process.

Thanks to cyclical theoretical and practical training and strict compliance with the guidelines for the design and implementation of installations, we **can offer investors a 30-year warranty!** However, the research conducted allows us to estimate its service life at approximately 100 years!





# SUPERTERM INSULATION PAD

THICKNESS  
**6mm**

## Designed for the highest efficiency of floor heating

The Termofol Superterm insulation pad is intended for insulation between floor panels and the concrete substrate. It can be used in residential houses and public buildings. It perfectly protects against heat loss, levels the floor and reduces unwanted sounds in rooms. It is an excellent barrier to the development of fungi and molds. The Superterm underlay has been tested in accordance with the standards used in the recommendations of the European Association of Laminate Flooring Manufacturers and has a declaration of compliance with the European standard PN-EN 16354:2018.



compressive  
strength

**$C_s=400$  kPa**



flammability  
class

**E**



thermal  
conductivity

**$\lambda=0,035$  W/m·K**

1. Concrete base    2. Superterm underlay (6 mm)    3. Heating foil    4. Vapor barrier foil    5. Vinyl panels, laminated boards, sandwich boards





**”** The Termofol Superterm 6 mm underlay is perfect for underfloor heating and in rooms particularly exposed to moisture.

## ▼ Specification

	Parameter name	Symbol [unit]	Standard	Superterm (1200 x 800 x 6mm)
1	Tolerance for thickness	[mm]	EN 822	± 0,5
2	Tolerance for length	[mm]	EN 822	± 5
3	Tolerance for width	[mm]	EN 822	± 1
4	Rectangularity	[mm/m]	EN 824	≤ 5
5	Density (bulk)	kg/m <sup>3</sup>	EN 1602	> 30
6	Thermal conductivity	λ [W/(m·K)]	EN 13164	0,035
7	Tensile strength	kPa	EN 1607	≥600
8	Reaction to fire	flammability class	EN 13501-1	E
9	Deformation at specified compressive load and temperature: 40 kPa, 70 °C, 168h	[%]	EN 1605	≤ 5
10	Dimensional stability 70 °C, 90% RH, 48h	DS.(70,90) [%]	EN 1604	≤ 5
11	Compressive strength Compressive stress at 10% relative strain	CS(10/Y) [kPa]	EN 826	400
12	Long-term water absorption by immersion	WL(T) [% obj]	EN 12087	≤ 1
13	Water vapour permeability Coefficient of water vapour diffusion resistance	[m]	EN 12086	mar.16
14	Temperature range	°C	–	-50/+75
15	Coefficient of linear expansion (A) / thermal expansion (J)	[mm/m delta T60 °C] / mm / m·K	–	0,07

## ▼ Product properties

- Developed specifically for vinyl floating floors
- Levels local surface unevenness up to 0.88 mm eliminating the need to repair the substrate
- Ensures quick disassembly of the floor without damaging the floor
- Improves acoustic comfort - high level of soundproofing floors in the room
- High load resistance factor
- The product is 100% recyclable, does not contain freons, protects the ozone layer
- Environmentally friendly
- XPS material



# LAMINATE INSULATION PAD

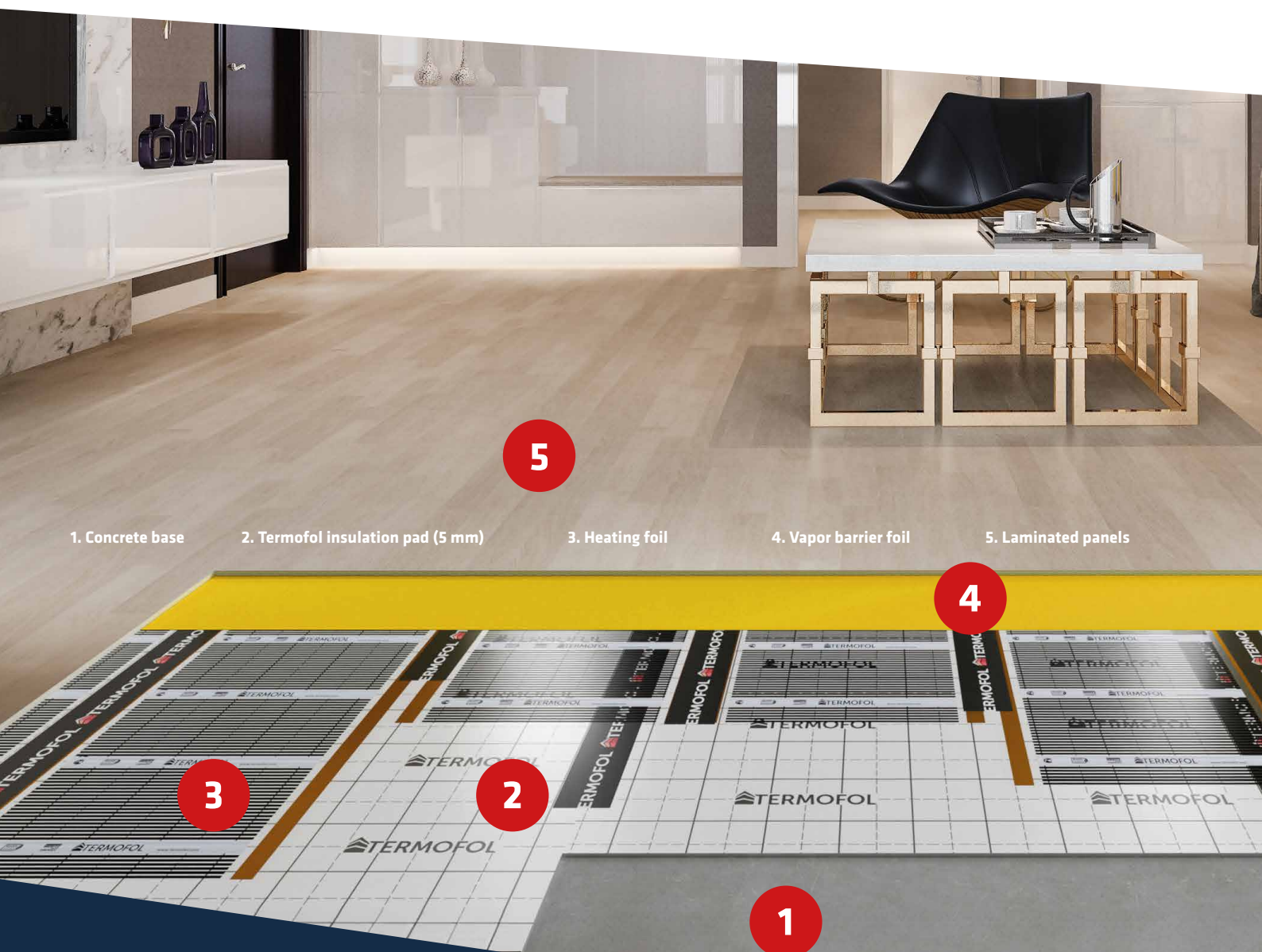
THICKNESS  
**3mm**

THICKNESS  
**5mm**

## Double laminated insulation pad under laminated panels and layered board

TERMOFOL 3mm and 5mm is an underlay laminated on both sides for use with underfloor heating. It is used for wooden floors, wood-based floors and laminated panels. TERMOFOL underlay is used to even out and compensate for slight surface irregularities.

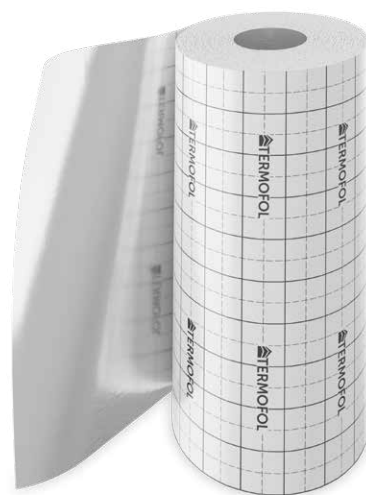
The upper layer of the underlay is laminated with PET film with a printed grid (5cm x 5cm) to facilitate installation. The bottom layer is laminated with metallised reflective PET film (ALU). The insulating underlay is used under laminate panels, layered board. It is not used under vinyl panels.



**”** The only insulating pad on the market dedicated to heating foil, designed for surface heating with heating foil.

## ▼ Product properties

- Printed grid for easy installation
- Specially developed for laminated panels
- Evens out local surface unevenness by eliminating the need to repair the substrate
- Ensures quick disassembly of the floor without damage floors
- Designed for highest performance efficiency of underfloor heating
- Improves acoustic comfort - high level soundproofing the floor in the room
- High load resistance factor
- Eco-friendly



- It has a declaration of compliance with the European standard PN-EN ISO CEN/TS 16354:2013.

## ▼ Specification

Model	Width	Thickness	Length per roll	Roll weight
TF-PI-5MM	100 cm	5 mm	50 m.b.	22 kg
TF-PI-3MM	100 cm	3 mm	50 m.b.	18 kg

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## HEATING FOIL UNDER THE MIRROR

### TERMOFOL self-adhesive heating foil under the mirror

The heating foil prevents water vapor from settling on the mirror surface. Installation is hassle-free thanks to the self-adhesive foil surface. We connect the foils to a light switch, thanks to which the electricity consumption is low and a thermoregulator is not required. The mirror with the foil installed can be hung loosely on the wall surface or glued into the wall facade.



## ▼ Specification

Model	Dimensions	Power	Ohms [ $\Omega$ ]	Voltage [V]	Amp
TF-AF-1	400x400 mm	30 W	1,76 k $\Omega$	230 V	130 mA
TF-AF-2	400x600 mm	44 W	1,20 k $\Omega$	230 V	191 mA
TF-AF-3	520x520 mm	45 W	1,18 k $\Omega$	230 V	195 mA
TF-AF-4	640x640 mm	100 W	529 $\Omega$	230 V	434 mA
TF-AF-5	540x800 mm	88 W	601 $\Omega$	230 V	383 mA
TF-AF-6	700x900 mm	108 W	489 $\Omega$	230 V	469 mA
TF-AF-7	300x400 mm	30 W	1.76 k $\Omega$	230 V	130 mA
TF-AF-10	Diameter 300 mm	30 W	1.76 k $\Omega$	230 V	130.43 mA
TF-AF-11	Diameter 450 mm	45 W	1.18 k $\Omega$	230 V	195.65 mA
TF-AF-12	Diameter 600 mm	60 W	881.67 $\Omega$	230 V	260.87 mA

Our offer includes several types of heating foils for mirrors, characterized by different sizes and power - the larger the surface, the greater the amount of heat generated to effectively prevent the mirror from fogging. When choosing a product, take into account that the heating foil must be slightly smaller than the surface of the mirror.

**TF-AF-10**  
diameter 30 cm

**TF-AF-5**  
54x80 cm

**TF-AF-4**  
64x64 cm

**TF-AF-11**  
diameter 45 cm