www.heatingfloor.eu

Heating Floor™

YOUR WARM COMFORT

Underfloor Electric Heating Film Kit

- high quality solution for heating of laminate and wood floors

Installation Guideline and Warranty Card

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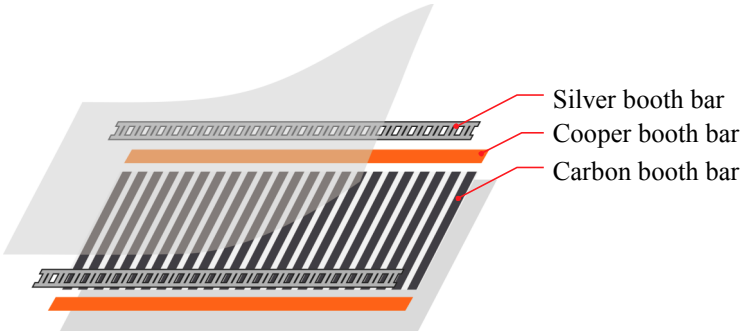
REQUEST CALLBACK: Send us your number via e-mail and we will contact you immediately

1– Introduction

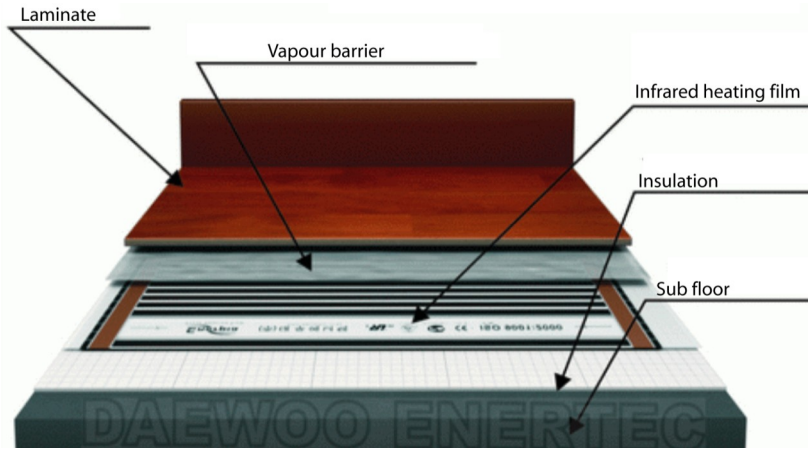
Congratulations on purchase of Heating Floor™ Film Kit!
It is the first step to making your home or other property warm and comfort.
Please take a look on this Heating Floor™ Film Kit specifics:

- Heating Floor™ Film Kit is manufactured for DIY installation with laminate or wood floors
- Heating Floor™ Film Kit is designed for dry rooms. For underfloor heating of wet rooms or rooms with high humidity please use other heating systems like Heating Floor™ Cable Mat Kit or Heating Floor™ X-L Pipe Kit
- Heating Floor™ Film Kit is easy to install. Anyway, please consult a professional electrician for electrical works.

HEATING FILM STRUCTURE



FLOOR CONSTRUCTION



2– Safety instructions

SAFETY INSTRUCTIONS

● IT IS FORBIDDEN:

- To hummer nails, dowers in the floor surface, which covers underfloor heating.
- To adjust the temperature of the thermostat to the temperature higher than 26-28 °C. The upper temperature limit for each flooring is specified in the manufacturer instructions.
- To cover underfloor heating with objects (furniture without legs or legs shorter than 5 cm, metal sheets etc.), which hinder to the efficient heat transfer with air.

● IMPORTANT:

- Keep in mind, that temperature of the heating film in places with limited heat transfer reaches high values. Keep this in mind when choosing flooring and placing furniture in the room.
- If underfloor heating does not work – it is necessary to contact qualified specialist to identify the problem and repair the damage. Intervention by an unauthorized person and attempt to repair cancel the warranty for this product, as well as can be dangerous!

● BE AWARE:

- Use thermostats intended for infrared film underfloor heating.
- Underfloor heating system should be installed by qualified specialists in accordance with applicable national rules, standards and technical requirements.
- In case of floor flooding or other contact with water, underfloor heating should be immediately shut down and dried carefully.
- It is forbidden to use underfloor heating to dry wet surfaces.
- In case of heating elements damage it is necessary to carefully insulate all damaged areas.
- When you are absent for a long time in a cold weather it is recommended to allow underfloor heating to work at a minimal level.
- Keep in mind that temperature on the thermostat display corresponds to the temperature measured with sensor installed on the surface of heating film. It differs from the temperature of floor covering. Usually the difference between these temperatures is 2-4°C and it depends on the type of floor covering and base surface.
- Keep in mind that thick base surface or flooring and carpets may serve as a good thermo insulator, which in its turn may cause a big difference in temperature above and below the floor covering.
- Note that in rooms with high heat losses, the top layer of the floor cools down rapidly, what may also cause increase in temperature difference above and below the floor covering.
- This appliance is not intended for use by people whose physical and mental capacity or lack of experience and knowledge can prevent them from using the appliance safely, if they are not supervised or were not instructed on how to use the appliance by the person responsible for their safety. It is necessary to look after children to ensure they are not playing with the appliance.

3– Check-list

YOU WILL NEED:

Heating Floor™ Film Kit contains:		Additional materials to buy:
Professional electric underfloor heating film, 50cm width		Insulation sheets with thickness over 5mm
Dampproofing bitumen based insulation tape		Polyester vapour barrier
Connecting clamps (compressor terminals)		Thermostat
Stranded conductor		Pliers
Scotch tape		
Installation guideline		

GETTING STARTED

- SCHEME OF THE ROOM
  - measure the area of the room and make a scheme of how the heating film will be put on the floor
  - show on the scheme placement of furniture
  - leave 10 cm between walls and heating film
- CLEANING
  - clean the floor, make sure the floor is flat, has no sharp spikes and other similar things, which could hurt the film

Bedroom heating scheme example

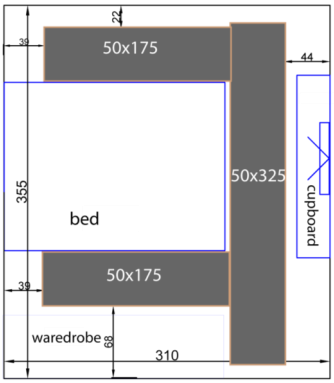
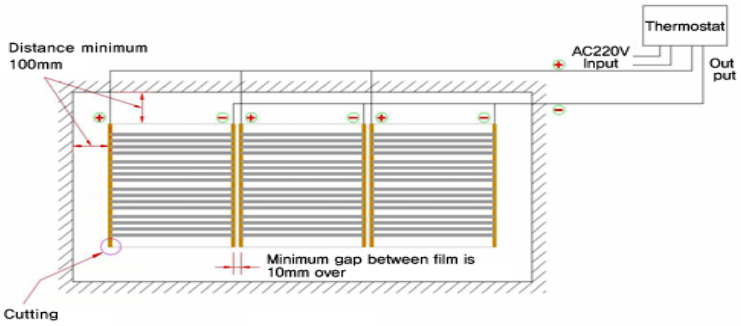


DIAGRAM of Heating Film installation:



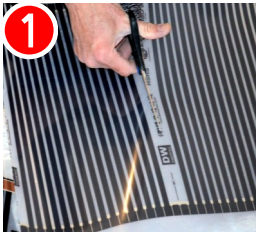
INSULATION

1. Measure and cut the required insulation and then fix it on the floor with scotch tape. You might also insulate the intervals between the sheets with the same material.

INSTALLATION

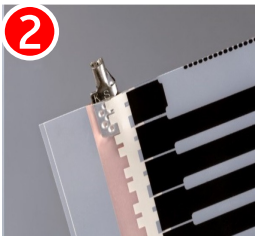
- ***Laying of infrared heating film***

1. Cut heating film with a knife or scissors by the dashed line.
2. Lay heating film on the insulated floor. Do not overlap the film sheets. Leave an interval of 1-2cm between them. The interval to the walls must be at least 10cm.
3. Fix the edges of the film with scotch tape for fixation.



- ***Connecting clamps with power supply cables***

1. Separate the copper strip from silver strip in order that you could insert one of the edges of the clamp.
2. Fix properly the clamp onto copper-silver strip, so that one of its edges is put on the top of the strip and the one is inserted inside between the two layers of the strip (silver and silver).



5– Installation

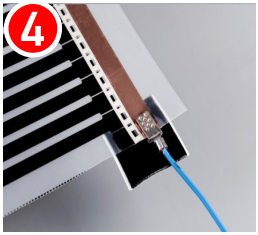
3. Press it firmly with pliers. This should be done with two diagonal applications.

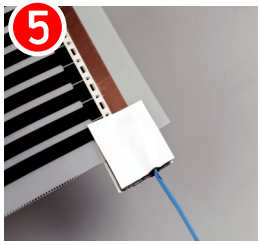
4. Connect clamps with power supply cables. **If it is not fixed properly it may occur contact resistance, so be careful.**

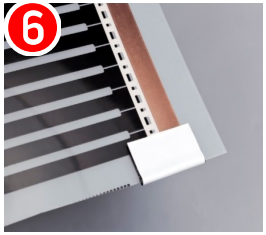
5. Insulate connections of power supply cable with clamps with the help of bitumen based insulation tape. Then fix the cables with the help of scotch tape. Piece of insulation tape should be at least 40mmx50mm. Leave at least 5mm between the end of the clamp and the end of the insulation tape piece.

6. Insulate all exposed sides of the copper strip.

7. Connect heating film with power supply cables in parallel.







- Attaching the temperature sensor.

1. Put the temperature sensor (thermo sensor) on the bottom of the strapping. Fix it with scotch tape.

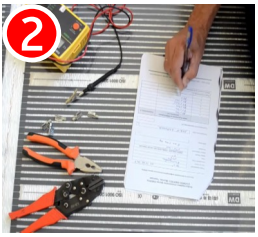
2. Below the sensor cut a slot into insulation.

3. Put a sensor insulated with bitumen based insulation tape in the slot in order to not get bumps.

- Thermostat connection

1. Install the thermostat using manufacturer's instructions.

2. Check the overall capacity by measuring with special measuring device while testing the produced heat. If you have an existing electric contact and you will use it to connect to the power line, you should consider that the maximum power capacity is 15A. If the installed load exceeds the thermostat controller power rating, you should use a contactor. All the measurements should be mentioned in the Warranty Card by electrician.



Please, consult a professional electrician for electrical works

- Connecting with the power line:

1. The power line should be in line and not be tangled.

2. Use different color wires for both "L" and "N" in order to be able to trace and repair the problem if one occurs.

3. Use conduit and wire mold to prevent leakage and moisture.

4. Use the required thickness of the wire according to the capacity being installed.

- Laying of vapour barrier

1. Roll out the vapour barrier, cut the necessary length, lay it on the heating film.

2. Fix vapour barrier with scotch tape. Cover only heated areas.

The next step is putting of floor covering- laminate, parquet or any wooden flooring.

7– Warranty

WARRANTY CARD

This document enables you to use a 5 year warranty on our products.
Correct completion of this document ensures full and free removal of all defects and/or damages covered by this warranty.
We are obliged to replace each item and/or segment of our heating system, which has shown a defect and/or does not function according to the specifications that relate to it within and under the warranty conditions.
In order for our warranty to be valid on a product you have purchased, it has to be mounted and/or installed by a person who has necessary knowledge and skills.
We note, that our products are extremely easy to install.
The person who has committed the installation/mounting of our products must indicate his/her data in the warranty card, thus certifying the warranty itself.
The warranty period starts from the date of purchase.
Please note that improper installation and/or mounting of the product may result in the loss of warranty.

WARRANTY CONDITIONS

The customer is obliged to complete accurately and clearly mandatory test report after mounting, carefully following the rules described in the installation instructions.
Removal of damage caused due to improper transportation, storage, use of the product and/or improper laying of the flooring upon the installation or inappropriate preparation of the surface upon which the product is to be installed, which resulted in physical damage and respectively in product failure, shall be performed at the expense of the customer.
In case of replacement of the product and/or product part, warranty shall be extended to the time necessary for repair of damage.
This is a manufacturer's warranty!
Cases when unforeseen circumstances and/or force majeure lead to product failure will not be considered as warranty events.
The warranty does not cover damages caused by war, unrest or acts of military nature, riots, civil unrest and of that ilk; terrorist act; earthquake or atomic and nuclear explosions, radioactive products and contamination, radiation (ionizing) emission; intentional or unintentional criminal actions.
In case of a manufacturing defect of the product, the customer does not pay transportation costs.
In all other cases, transportation costs are borne by the customer.
Without duly completed test report warranty shall be declared void.

8– Warranty

Please, complete these forms after installation to ensure validity of your 5 year warranty.

Owner's data	
First name	
Last name	
Contact number	
E-mail	
Address	
Date of purchase	

Installer's data	
First name	
Last name	
Contact number	
E-mail	
Address	

Electrician's data	
Organization name	
First name	
Last name	
Contact number	
E-mail	
Address	

9– Warranty

TEST REPORT

Please, complete these forms after installation to ensure validity of your 5 year warranty.

General information			
System installed for:	☐ Primary heating ☐ Secondary heating		
Thermostat type:			
Room dimensions:		Heated area:	
Insulation type:			
Type of flooring:			
Measuring device (brand, No):			

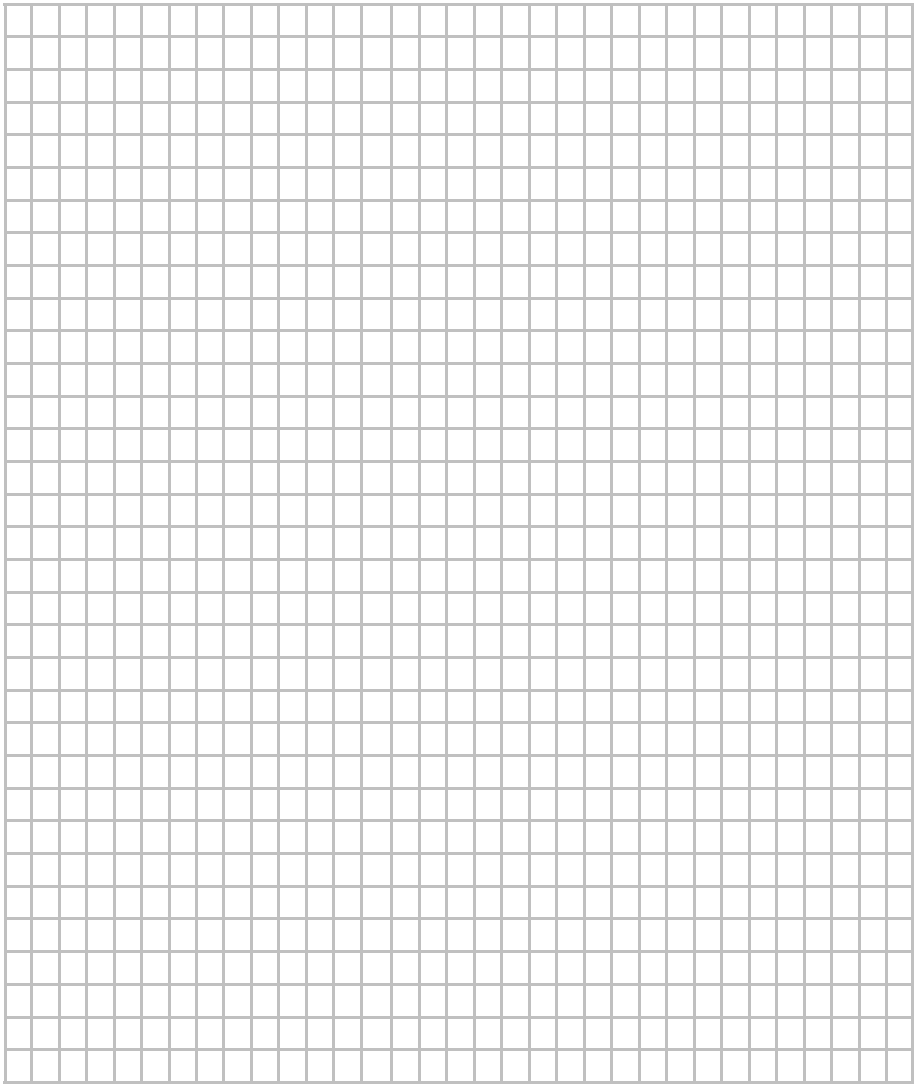
No	Length of the installed film		Resistance	
1		m		Ω
2		m		Ω
3		m		Ω
4		m		Ω
5		m		Ω
6		m		Ω
7		m		Ω
Floor sensor resistance:				kΩ
Total resistance:				Ω
Total load of system:				W

Signed by			
Electrician's full name:			
Date of installation:		Signature:	

Keep in mind, that a completed warranty card with test report and proof of purchase must be presented in connection with warranty claims.

INSTALLATION PLAN

Please provide a detailed plan of installed elements, including position of junction box and position of thermostat. Don't forget to number the elements of the diagram.



- We recommend you to make pictures for better visualization and control.
- Save this plan, test report and photos in an easily accessible place near the electrical panel

Installation Guideline and Warranty Card

Congratulations, you have successfully installed Heating Floor™ Film Kit!

From that moment on you will enjoy warm comfort of you home or other property. Nevertheless, if you require assistance with installation, do not hesitate to contact us and to request callback.

CONTENT:

INTRODUCTION	**1**
SAFETY INSTRUCTIONS	**2**
CHECK-LIST	**3**
INSTALLATION	**4-6**
WARRANTY CARD	**7-8**
TEST REPORT	**9**
INSTALLATION PLAN	**10**

You can find video guide on Heating Floor™ Film Kit installation on our YouTube channel TEZOLTD: [https://www.youtube.com/watch?v=TNKLU-0Aaic]

If you liked our product, we'll be grateful if you share this information with your friends and leave a feedback on our website.

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