

ThermoFloor® for Laminate, Carpet, and Vinyl

PRODUCT DESCRIPTION

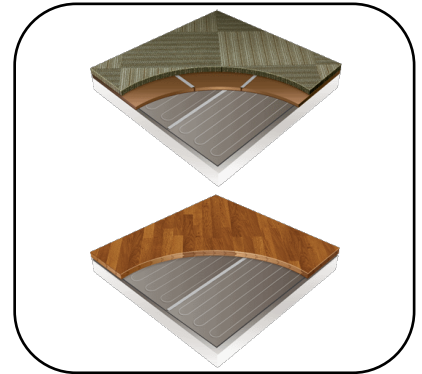
ThermoFloor® is a fabric heating underlayment with Thermal Cut-off, ThermoSoft®'s patented FiberThermics® technology. It is a 4-in-1 (heating, insulating, noise reducing, moisture abating) radiant floor heating pad specifically designed for laminate, carpet, and vinyl.

FEATURES AND BENEFITS

- Provides for a heated floor installation without cement.
- Includes FiberThermics®, the safest and most advanced that can be installed with peace of mind directly under laminate and wood floors.
- Replaces typical flooring foam underlayments.
- Combines radiant floor heating with an upgraded laminate flooring underlayment that provides:
 - Subfloor thermal insulation (R=0.5)
 - Laminate floor noise reduction (FIIC=60)
 - Anti-microbial resistance to mold and mildew
- Can be used with laminate flooring with attached underlayment backing.
- Simply roll out the heated underlayment and lay the laminate flooring.
- Factory-attached 20' lead wires on only one end of the underlayment pad facilitates electrical connections.

APPLICATIONS

- Laminate
- Carpet
- Vinyl



CONSTRUCTION



A. Underlayment Mat

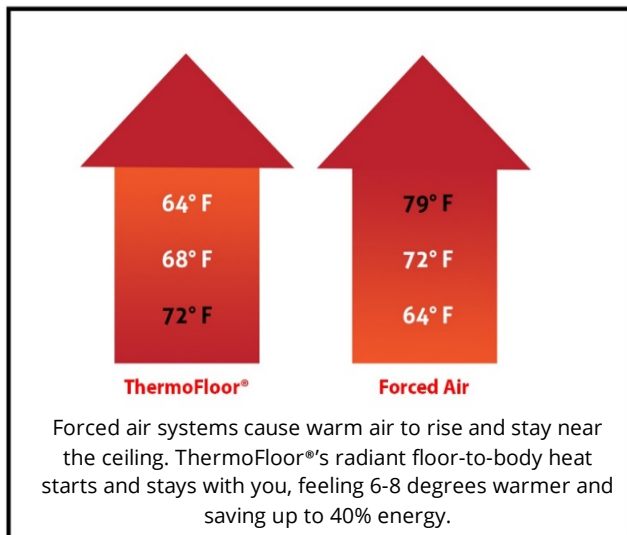
4-in-1 (heating, insulating, noise reducing, moisture abating) radiant floor underlayment mat allows for fewer materials, less hassle and minimal floor elevation.

B. Heating Wires

Heating wires are spaced equal distances apart on mat to ensure even heating.

C. Lead Wire

20' lead wire that connects to energy source such as electrical box.



HEATING MAT SELECTION GUIDE

1. Select Mat Voltage and Size

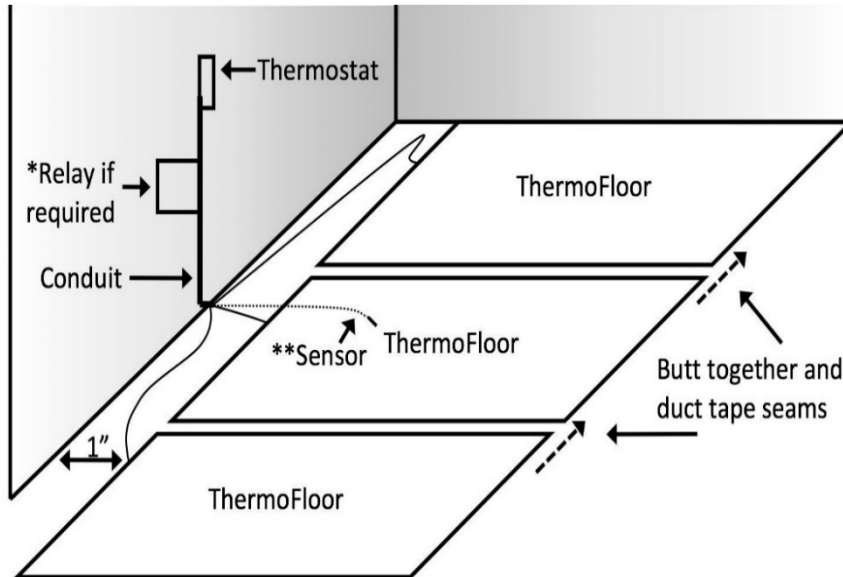
Using the model chart, determine mat voltage and size.

2. Calculate Heating Mat Quantity

According to the heated space's layout and dimensions, calculate how many mats are needed to properly fit the area. Remember to subtract space of items fixed to the ground such as toilets, dressers and appliances.

3. Determine Circuits/Circuit Protection

Refer to user manual for specifics and directions. Always consult a licensed electrician.



To calculate the total square footage needed:

- Length of desired area
- Width of desired area
- Multiply
- Note objects that sit on the ground directly such as shelves, room fixtures and entertainment systems. Calculate area of objects and subtract from total square footage.

Example:

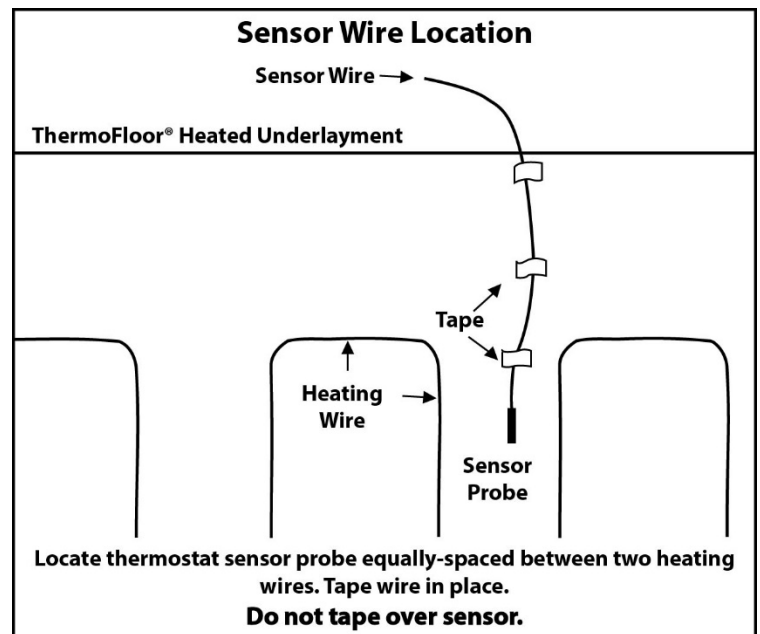
Bedroom Length: 10ft total
 Bedroom Width: 8 ft. total
 (Minus area of bathtub and toilet)

Total area: 80 sq. ft.
 (minus area of bathtub and toilet)

- Leave 1" space from wall for wires. Small perimeter gaps do not need to be covered by underlayment.
- *A contactor/relay may be required for large installations. Consult an electrician.
- **Sensor can be run down the wall or in a separate conduit from the power leads.

IMPORTANT NOTES ON MAT SELECTION

- Do not tape over ThermoFloor® heating wires.
- Do not overlap heating mats or heat while rolled up.
- Do not cut ThermoFloor®. Doing so will damage heating wires and result in voided warranty.
- Fill in unheated areas with underlayment pad.
- Mat sizes are designed to be mixed to cover almost every area configuration. Keep all mats the same voltage when missing sizes.
- For more information, call (800)308-8057 or visit www.ThermoSoft.com.



*This document serves as a general guideline and should be used as a supplemental source of information only. See official product manual for specific directions and instructions.

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THERMOFLOOR® HEATING MATS ARE AVAILABLE IN 120 AND 240 VOLT IN THESE SIZES:

Volts	Model	Width x Length	Coverage S.F.	Watts	Amps
120	TF1504-120	1.5' x 4'	6	47	0.4
120	TF1505-120	1.5' x 5'	7.5	59	0.5
120	TF1506-120	1.5' x 6'	9	72	0.6
120	TF1508-120	1.5' x 8'	12	97	0.81
120	TF1510-120	1.5' x 10'	15	122	1
120	TF1512-120	1.5' x 12'	18	147	1.2
120	TF3002-120	3' x 2'	6	48	0.4
120	TF3003-120	3' x 3'	9	76	0.63
120	TF3004-120	3' x 4'	12	103	0.9
120	TF3005-120	3' x 5'	15	131	1.1
120	TF3006-120	3' x 6'	18	158	1.3
120	TF3008-120	3' x 8'	24	215	1.7
120	TF3010-120	3' x 10'	30	269	2.2
120	TF3012-120	3' x 12'	36	323	2.7
240	TF1508-240	1.5 x 8'	12	97	0.41
240	TF1510-240	1.5 x 10'	15	122	0.51
240	TF1511-240	1.5 x 11'	16.5	134	0.56
240	TF1512-240	1.5' x 12'	18	147	0.62
240	TF1514-240	1.5' x 14'	21	172	0.72
240	TF1516-240	1.5' x 16'	24	197	0.83
240	TF1518-240	1.5' X 18'	27	222	0.93
240	TF1520-240	1.5' x 20'	30	247	1.03
240	TF1524-240	1.5' x 24'	36	297	1.24
240	TF3004-240	3' x 4'	12	103	0.43
240	TF3005-240	3' x 5'	15	131	0.55
240	TF3006-240	3' x 6'	18	158	0.66
240	TF3008-240	3' x 8'	24	213	0.89
240	TF3010-240	3' x 10'	30	268	1.12
240	TF3012-240	3' x 12'	36	323	1.35
240	TF3014-240	3' x 14'	42	378	1.58
240	TF3016-240	3' x 16'	48	433	1.81
240	TF3018-240	3' x 18'	54	488	2.04
240	TF3020-240	3' x 20'	60	543	2.27
240	TF3024-240	3' x 24'	72	653	2.73

SEE ALSO

- WarmStep® Fabric Heating Mat with Thermal Cut-Off for Laminate, Wood, Carpet and Vinyl
- ThermoFilm® Polymer Film Heating Mat for Laminate, Carpet and Vinyl



CONTROLS – THERMOSTATS

Code	Description
UWG4-4999	OJ Wi-Fi Touch Screen Thermostat 15A load, 5mA GFCI, 15' floor sensor (120V or 240V Programmable)
UDG4-4999	OJ Thermostat 15A load, 5mA GFCI, 15' floor sensor (120V or 240V Programmable with touch screen)
UDG-4999	OJ Thermostat 15A load, 5mA GFCI, 10' floor sensor (120V or 240V Programmable w/air & floor limit)
TH115-AF-GA/U	OJ Thermostat 15A load, 5mA GFCI, 15' floor sensor (120V or 240V manual)
TH114-AF-GA/U	Aube Thermostat 15A load, 5mA GFCI, 15' floor sensor (120V or 240V Manual)
MTC-2991UFH	OJ Thermostat 15A load, 10' floor sensor (120V Manual)
MTC-1991UFH	OJ Thermostat 15A load, 10' floor sensor (240V Manual)
USG-4000	OJ Power Module 120V or 240V power relay with 5mA GFCI. 15A max load. For use ONLY with OJ Electronics' UDG-4999 Thermostats. (120V or 240V)
ETF-110/99C	OJ Backup Floor Sensor 15' floor sensor for OJ thermostats. A redundant sensor is recommended to be installed since sensors are difficult to replace. If installing a backup sensor, only connect one at a time.
AC112-01/U	Aube Backup Floor Sensor 15' floor sensor for Aube thermostats. A redundant sensor is recommended to be installed since sensors are difficult to replace. If installing a backup sensor, only connect one at a time.

ACCESSORIES

ThermoSoft® has a complete line of accessories specifically designed for use with ThermoFloor® mats. Use only ThermoSoft® ThermoFloor® accessories to ensure the performance of the system.

Code	Description
TH-180408X5	Protect-a-Heat™ Fiberboard Tempered MDF Hardboard Underlayment. Size: 40 s.f. total 24" X 48" X 1/8"
FLX-MB100	Moisture Barrier Top rated 6 Mil (.006") Low Density Polyethylene Film. Size: 2.5 ft x 40 ft (100 S.F.)
DT-105	Dry Tear TacTape 1" Wide, 10 Yards Long Duct Tape
DT-17860	Easy Tear Duct Tape 1-7/8" Wide, 60 Yards Long Tape
INSTALRM	InstAlarm Monitor for Short or Open Circuits During Installation. Available in Following Kits: TT Deluxe Install Kit (IK-TAMKGS), TT Safe Install Kit (IK-TAM), TF Install Toolkit (IK-DAMK), TT Basic Install Toolkit (IK-TA)
FLX-BLOCK	Wago Connector 222-415 Terminal Blocks for Multiple Floor Heating Mat Connections
MULTIMTR	Digital Multimeter for Monitoring Electrical Resistance During Installation. Available in Following Kits: TT Deluxe Install Kit (IK-TAMKGS), TT Safe Install Kit (IK-TAM), TF Install Toolkit (IK-DAMK)
KNPD-318	Ultra-Light Kneepads for Preventing Mat Damage. Available in Following Kits: TT Deluxe Install Kit (IK-TAMKGS), TF Install Toolkit (IK-DAMK)
ETF-110/99C	OJ Backup Floor Sensor 15' for OJ Thermostats
AC112-01/U	Aube Backup Floor Sensor 15' for Aube Thermostats
NEUP	Non-Heated Underlayment Padding for Fill-In Areas – Multiple Sizes Available
EK-X	ThermoFloor® Lead Wire Extension Kits Available

WARRANTY & MAINTENANCE

When installed according to the installation manual and proper testing has been performed throughout, the system requires no maintenance for the duration of its warranted life.

The ThermoSoft® ThermoFloor® mat is warranted for 10 years against manufacturer's defects.

See www.ThermoSoft.com for full warranty details.

TECHNICAL SUPPORT

ThermoSoft® is available at (800)308-8057.

For quotes, layouts and specific technical information, contact us at:

ThermoSoft International Corporation
 701 Corporate Woods Parkway, Vernon Hills, IL 60061
Support@ThermoSoft.com
www.ThermoSoft.com



Scan here to go to the product page





ThermoFloor® Fabric Heating Underlayment with Thermal Cut-Off

UNDERLAYMENT PAD SPECIFICATIONS

- 98% Recycled fiber core
- 3mm thick
- Professional grade
- Impact Isolation Class (IIC): Up to (70) dB per ASTM E 492 / ASTM E 989
- Delta Impact Isolation Class (Δ IIC): Up to (21) dB per ASTM E 2179
- Sound Transmission Class (STC): Up to (65) dB per ASTM E 90
- Compressive Strength @ 25%: \geq 9.5 psi per ASTM D 3575

THERMOSOFT INTERNATIONAL CORPORATION

Tel.: 1-800-308-8057

Fax: 1-847-279-8845

www.ThermoSoft.com



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