

Schluter®-DITRA-HEAT Membrane for Ceramic, Porcelain, and Natural Stone Tile

PRODUCT DESCRIPTION

Now you can easily install ThermoSoft® ThermoTile® heating cable to your tile floor with uncoupling SCHLUTER®-DITRA-HEAT technology for improved protection against tile and grout cracking. DITRA-HEAT-DUO also features an integrated thermal break that provides up to 70% faster warm-up times over concrete substrates.

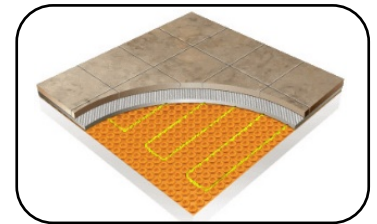
FEATURES AND BENEFITS

- Combines radiant floor heating with DITRA-HEAT uncoupling technology to prevent tile and grout cracking and quicker, easier positioning of loose heat cable.
- Features the DITRA-HEAT polypropylene mat that protects substrate from moisture penetration.
- Loads are transferred from the tile floor to the virtually incompressible DITRA-HEAT column-like mortar structures to the substrate creating uncoupling without sacrificing point-load distribution capability.
- Heat cables are easily and uniformly spaced between DITRA-HEAT mat studs.
- Allows for maximum customization of the heated area simply by placing heat cable between DITRA-HEAT mat studs wherever needed.
- DITRA-HEAT-DUO's integrated thermal break reduces heat loss to the substrate and improves floor warming response time.
- DITRA-HEAT-DUO's nominal 5/16" (8mm) thickness minimizes tile assembly thickness.

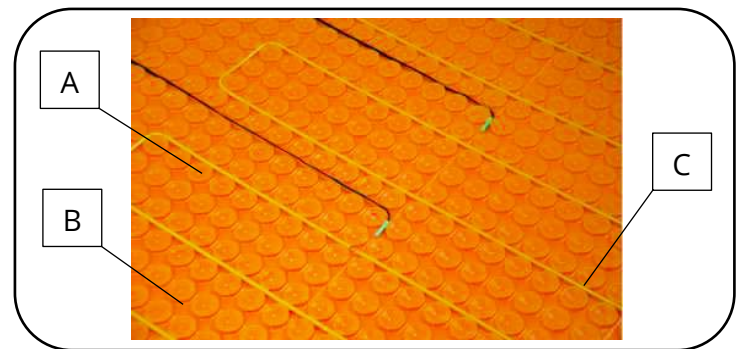
Note: ThermoTile® cable is made in the USA and is not affiliated or specifically endorsed by Schluter Systems®.

APPLICATIONS

- Ceramic Tile
- Porcelain Tile
- Natural Stone Tile



CONSTRUCTION



A. Geometric Studs

Raised, octagonal studs are equally spaced across the sheet's surface. The stud's 8-sides allow for cable to wrap around edges gradually, so not to damage the wire. When mortar is poured over sheet, columns are generated between studs to reinforce load distribution.

B. Polypropylene Sheet

The polypropylene sheet resists moisture while maintaining structural integrity. Flexible enough to bend and cut, but durable enough to withstand heavy loads. Reduces sound, virtually incompressible, and strengthens floor. Can also be used without heating cable for leveling floors.

C. Cable Channels

Equally distributed channels allow for endless options of cable layout and spacing. The studs provide awning-like ridges that encapsulate cable. Channels beneath sheet provide vapor management.

*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.



SCHLUTER®-DITRA-HEAT MEMBRANE IS AVAILABLE IN UNCOUPLING AND UNCOUPLING WITH THERMAL BREAK IN THESE SIZES:

Schluter®-DITRA-HEAT Uncoupling Membrane

Model	Width x Length	Coverage S.F.
DH5-MA	3'3" x 2'7"	8.4
DH5-12M	3'3" x 41'1"	134.5

Schluter®-DITRA-HEAT-DUO Uncoupling Membrane with Thermal Break

Model	Width x Length	Coverage S.F.
DHTB8-MA	3'3" x 2'7"	8.4
DHTB8-10M	3'3" x 33'	108

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 warrantied life.

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

SEE ALSO

- ThermoTile® Heating Mat with Anti-Fracture Holding Mesh for Wood, Laminate, Vinyl and Carpet
- PROVA HEAT-FLEX® Membrane for Ceramic, Porcelain and Natural Stone Tile for ThermoTile® Cable
- Prodeso® Heat Membrane for Ceramic, Porcelain and Natural Stone Tile for ThermoTile® Cable



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HEATING MEMBRANE SELECTION GUIDE

1. Calculate Membrane 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 the ground such as toilets, dressers and appliances.

2. Select Mat Size

Using the model chart, determine mat size. Remember cable should be installed 1" away from walls and fixed items. Cut mats to accommodate spaces or combine multiple mats.

3. Select ThermoTile® Heat Cable

Select the proper voltage and length of heating cable. If the heated area is over 150 sq. ft., ThermoSoft® recommends 240V cable. Length will depend on cable spacing between relief studs. See the ThermoTile® Heat Cable Installation Guide or Submittal Sheet for more options and information. Refer to user manual for

specifics and directions. Always consult a licensed electrician before making connections.

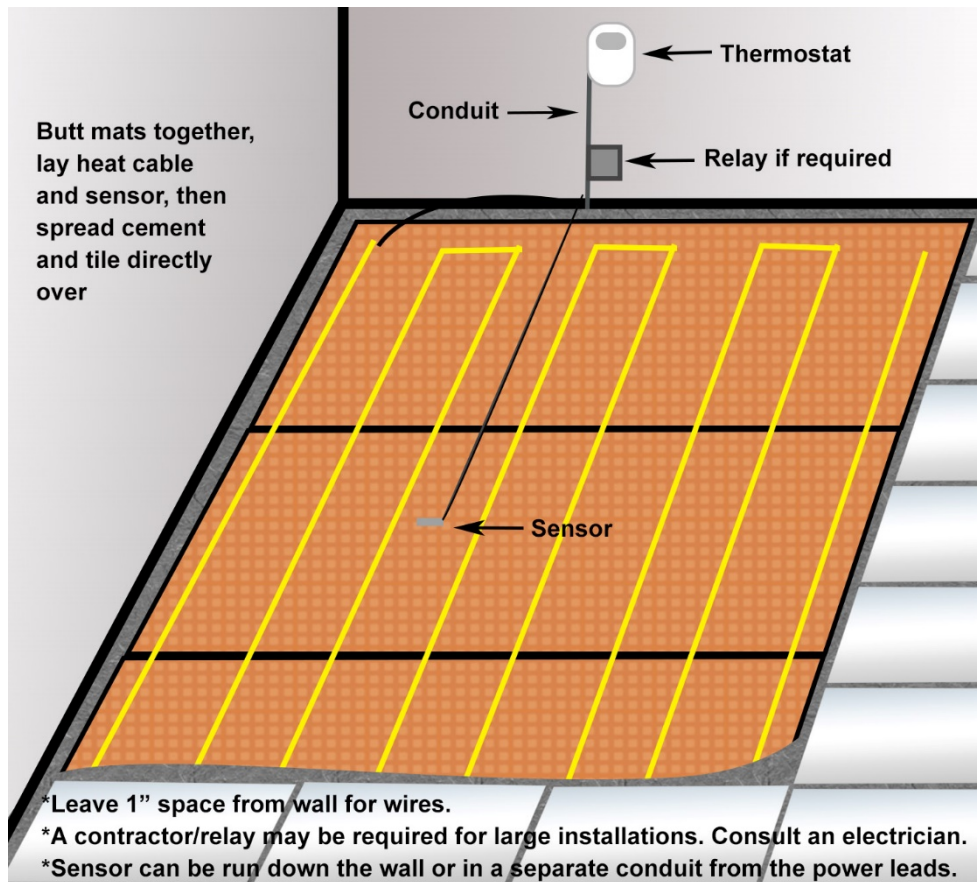
To calculate the total square footage needed:

- Multiply room length x width
- Note objects that sit on the ground directly such as toilets, bathtubs, and appliances. Calculate area of objects and subtract from total square footage.

Example:

Bathroom Length: 10ft
 Bathroom Width: 8ft
 (Minus area of fixtures)

Total = 80 sq. ft. (minus area of fixtures)



IMPORTANT NOTES ON CABLE SELECTION

- Do not overlap heating cables or heat while rolled up.
- Do not cut heating cable. Doing so will damage heating wires and result in voided warranty.
- For more information, call (800)308-8057 or visit www.ThermoSoft.com.



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 Heating Cable for on Uncoupling Membrane. Use only ThermoSoft® Heating Cable accessories to ensure the performance of the system.

Code	Description
TS38-0248	ThermoStrips Self-adhesive Synthetic Cork Barrier Strips for Self-Leveling Cement. Size: 3/8" x 24" x 2" Each
FIXFAST	FixFast (Cutttable Cable Hold Down Strap) For Directly Securing Cable to Subfloor, Mortar Bed or Sand Bed. Length: 25ft
DT-105	Easy 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 Cable 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 Cable 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	Heating Cable on Uncoupling Membrane Lead Wire Extension Kits Available
TRWL3812	Anti-Rust Heavy Duty Plastic Trowel With 1/2in. x 3/8in. Notch for Installing Large Tiles (12" and Up) to Avoid Wire Nicking
TRWL3838	Anti-Rust Heavy Duty Plastic Trowel With 3/8in. Square Notch to Avoid Wire Nicking. Available in Following Kits: TT Deluxe Install Kit (IK-TAMKGS), TT Safe Install Kit (IK-TAM), TT Basic Install Toolkit (IK-TA)
GG-40120	ThermoGun Glue Gun for Speedy and Simple Mat Installation. Available in TT Deluxe Install Kit (IK-TAMKGS)
GS-11200	ThermoGun Hot Melt Glue Adhesive Sticks for Use with ThermoGun. Size: 8.0" x 7/16"
BBB013	Back Butter Buddy for 12" and Larger Tile Buttering of Thinset Mortar

