

Schluter®-DITRA-HEAT

Electric floor warming system with
integrated uncoupling technology



PROFILE OF INNOVATION



Bare Feet 
WANTED





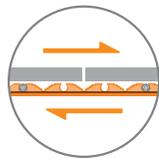
Warmth, beauty, and resilience underfoot

Ceramic and stone tiles are ideal surface coverings because they are durable, hygienic, and easy to maintain. However, two common concerns with tile are that they are prone to cracking and can be cold to the touch.

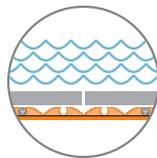
The DITRA-HEAT electric floor warming system incorporates uncoupling technology that prevents tiles from cracking, along with loose heating cables that allow you to add heat wherever desired. DITRA-HEAT allows you to protect the integrity of your investment and enjoy the luxury of heated floors.

Advantages of DITRA-HEAT

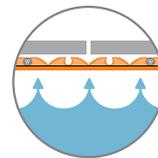
- Electric floor warming system adds luxury to any room
- Uncoupling technology is directly incorporated into the system to protect tiles from breaking
- Heating zones are easily customizable using loose cable and studded mat
- Easy to install; no need for the use of clips, fasteners, or leveling compound
- Minimal assembly thickness allows easy transitions to lower surface coverings
- Provides all the same attributes as the original award-winning DITRA: uncoupling, waterproofing, vapor management, and load support



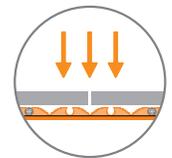
Uncoupling



Waterproofing

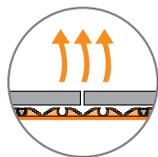


Vapor Management



Load Support

Also Available – Schluter® -DITRA-HEAT-DUO



Thermal Break



Sound Control

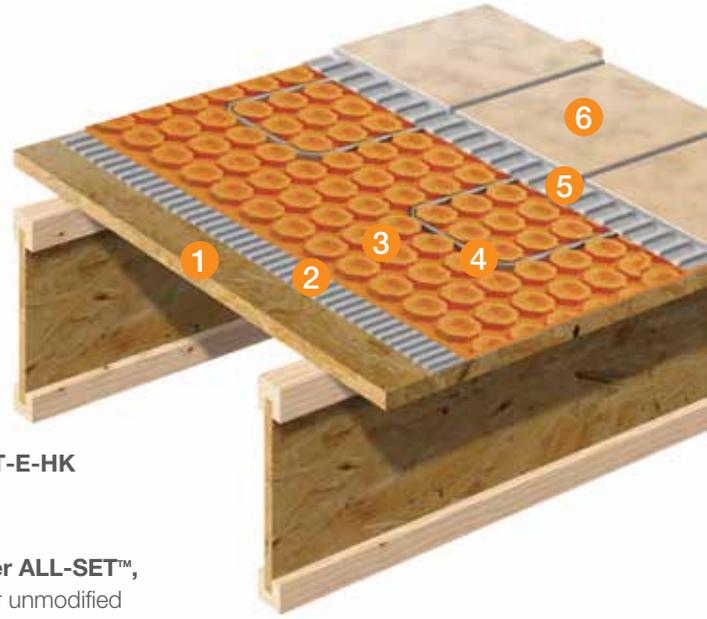
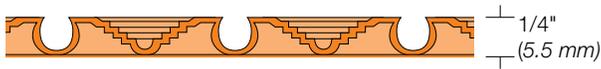
- Features integrated sound control and thermal break
- Reduces impact sound transmission through floor-ceiling assemblies, making it ideal for multi-story construction
- Provides ΔIIC contribution of 20, when tested per ASTM E2179 in a thin-set assembly with porcelain tile
- Allows for easy integration of heating cables to create a warm tiled floor
- Reduces heat loss to the substrate for up to 70% faster heat-up times over concrete

Choosing the ideal DITRA-HEAT membrane

Both DITRA-HEAT and DITRA-HEAT-DUO provide floor warming along with the benefits of uncoupling, waterproofing, vapor management, and support for a long lasting installation over virtually any substrate.

Schluter®-DITRA-HEAT Ideal for plywood and OSB substrates

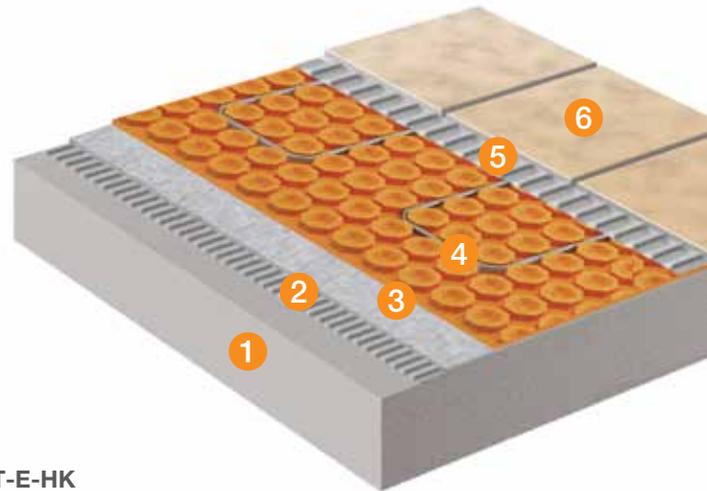
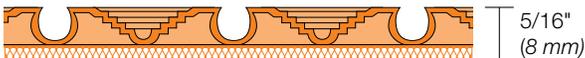
Only 1/4" (5.5 mm)-thick, DITRA-HEAT provides the thinnest possible assembly without sacrificing performance.



- 1 Plywood or OSB
- 2 Schluter ALL-SET™, Schluter FAST-SET™ or modified thin-set mortar
- 3 Schluter®-DITRA-HEAT
Uncoupling membrane with floor warming
- 4 Schluter®-DITRA-HEAT-E-HK
Heating cables
- 5 Schluter SET™, Schluter ALL-SET™, Schluter FAST-SET™ or unmodified thin-set mortar
- 6 Ceramic, porcelain, or stone* tile
(*Refer to the DITRA-HEAT Handbook)

Schluter®-DITRA-HEAT-DUO Sound control and thermal break

With its integrated thermal break, DITRA-HEAT-DUO is ideal for concrete substrates, as it increases efficiency and produces warm floors faster, resulting in saved energy costs. This system is also ideal for flooring installations that require sound control, in both commercial and residential applications.

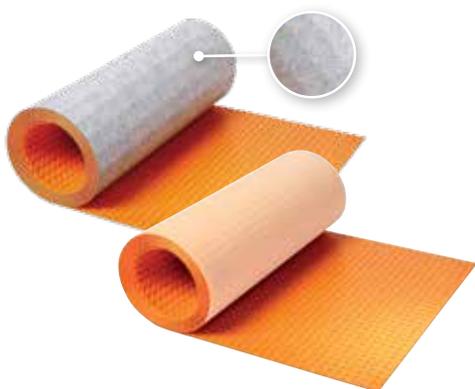


- 1 Concrete and gypsum
- 2 Schluter SET™, Schluter ALL-SET™, Schluter FAST-SET™ or unmodified thin-set mortar
- 3 Schluter®-DITRA-HEAT-DUO
Uncoupling membrane with integrated thermal break and sound control
- 4 Schluter®-DITRA-HEAT-E-HK
Heating cables
- 5 Schluter SET™, Schluter ALL-SET™, Schluter FAST-SET™ or unmodified thin-set mortar
- 6 Ceramic, porcelain, or stone* tile
(*Refer to the DITRA-HEAT Handbook)

Refer to DITRA-HEAT Handbook for complete details and requirements



Components



DITRA-HEAT Membranes

Available in both mat and roll formats, the DITRA-HEAT membranes are designed to secure the system heating cables in place while serving as universal substrates for tile coverings.

Similar to DITRA, the original uncoupling membrane, DITRA-HEAT and DITRA-HEAT-DUO neutralize the differential movement stresses between the substrate and the tile covering to prevent cracked grout and tile while also providing effective waterproofing, vapor management, and load support.



Heating Cable

The twisted pair heating cables are specifically designed to be used with the DITRA-HEAT membranes. There is no need for clips, fasteners, or self-levelers as the cables are easily snapped into place. Available in 120 and 240 Volt formats, the cables can be installed without returning to the thermostat and produce virtually no electromagnetic fields.



Thermostats and Power Module

There are three thermostat options to choose from: programmable touchscreen (RT), programmable touchscreen with Wi-Fi capability (WiFi), and digital non-programmable (R). All thermostats support both the 120 and 240 Volt cables and feature a built-in Ground Fault Circuit Interrupter (GFCI) of the Class A type.

When heating a large expanse of tile, the DITRA-HEAT-E-RR power module extends the power output when used in conjunction with the DITRA-HEAT-E-WiFi, DITRA-HEAT-E-RT, or DITRA-HEAT-E-R thermostats.

*A floor temperature sensor is provided with both the thermostat and the heating cable.



Schluter®-DITRA-HEAT-E-KIT

All the components needed to warm your floors, in one convenient kit. Add luxury to any room—easily!

Installation Overview



Using a thin set mortar appropriate for your sub-floor, apply DITRA-HEAT or DITRA-HEAT-DUO to the floor, fleece side down.



Embed the heating cables between studs, at a spacing of 3 studs or at a continuously alternating 3 stud - 2 stud sequence, depending on your application. For details, see the Ditra-Heat Installation Handbook in the Floor Warming section at www.schluter.com or www.schluter.ca



Using Schluter SET™, ALL-SET™, FAST-SET™, or unmodified thin-set mortar, tile can be installed over DITRA-HEAT and DITRA-HEAT-DUO immediately; no need for self-levelers.

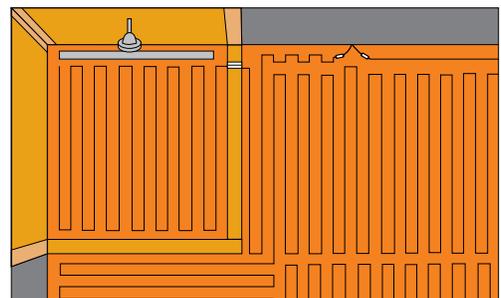
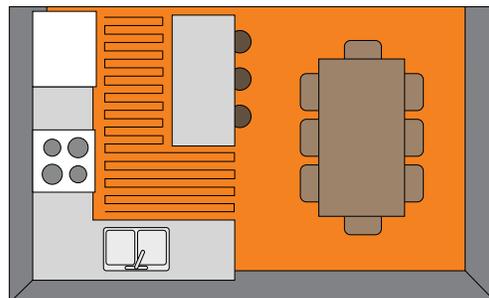
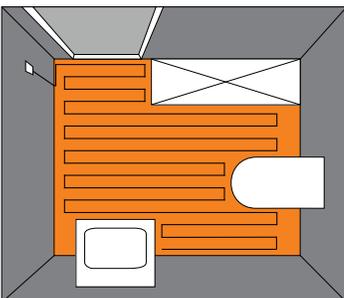


Schluter® Thin-set Mortar

Specifically formulated for Schluter membranes and boards, such as DITRA-HEAT.

Customizable heating zones

With DITRA-HEAT, the installer has the advantage of combining a mat that can be easily cut to the size and shape of the room with loose cable. Cables can be placed wherever heat is desired to achieve customized heating zones, or placed throughout the room to heat the entire floor.



We stand behind our products.



Membrane + Cables = **System Warranty!**

DITRA-HEAT is a complete system involving components that are designed to work together. As such, DITRA-HEAT-E-HK cables must be used in conjunction with the DITRA-HEAT membrane to benefit from the full system warranty. For full warranty details, please visit: [schluter.com/warranty](https://www.schluter.com/warranty)

Visit **Schluter.com** for everything you need to know about DITRA-HEAT, including:



Videos



Calculator



Downloads



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