Schluter®-DITRA-HEAT
Electric floor warming system with integrated uncoupling technology
Bare Feet
WANTED
DITRA-HEAT is the first electric floor warming system with integrated uncoupling technology to ensure that floors are both comfortable, and resistant to cracked tiles and grout. Cables can be placed wherever heat is desired for customized heating zones, and no leveling compounds are required for ceramic, porcelain, and stone tiles – making for a quick and easy installation.

- Heating and uncoupling in a single layer
- No self-levelers required to encapsulate heating cables for ceramic, porcelain, and stone tiles (no need to wait for curing)
- Place the heating cables exactly where they are needed, without clips or fasteners
- Combines the flexibility of loose cable with the ease of installation of a mat system
- Minimizes assembly thickness for easy transitions to lower surface coverings

**Alternative Floor Coverings**

DITRA-HEAT is also suitable for applications with alternate floor coverings such as engineered wood, luxury vinyl, wood and stone plastic composite, and laminate flooring. Please refer to “Alternative Floor Coverings” in the DITRA-HEAT Installation Handbook at www.schluter.com.

**Product Highlights**

- DITRA-HEAT-DUO: Uncoupling membrane with integrated sound control and thermal break.
- DITRA-HEAT-E-WiFi: Access your floor heating system, anywhere, anytime.
Easy to Install

1. Apply DITRA-HEAT or DITRA-HEAT-DUO to the floor, fleece side down. Solidly embed the matting into the mortar.

2. Embed the heating cables between studs, at 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 on www.schluter.com.

3. 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.
Customizable Heating Zones and Power Output

Heat your whole floor...

Or heat a specific area...

With DITRA-HEAT, it’s your tile floor, warmed the way you want it.

For complete product information, visit schluter.com
Membrane is selected according to the size of the area to be tiled.

Heating cable is selected according to the size of the area to be heated. Be sure to measure the heated area accurately.

The allowable heated area is limited by the minimum required spacing from fixed elements such as:

- Walls/partitions/fixed cabinets = 2” (50 mm)
- Heat sources (baseboard heaters, fireplaces, etc.) = 8” (200 mm)
- Plumbing drains and forced air heating ducts = 4” (100 mm)
- Centerline of toilet drains = 7” (180 mm)

Select a heating cable closest to, but not exceeding the area determined in step 3 below. Do not select a heating cable according to the size of the area to be tiled; this will be too much heating cable. Only select a heating cable according to the size of the area to be heated, and to your choice of cable spacing depending upon the specific application.

IMPORTANT: HEATING CABLES CANNOT BE CUT TO FIT

Never install the heating cable under vanities without air space underneath, bathtub platforms, free standing bathtubs with no airspace beneath, kitchen cabinets or in storage or clothing closets. Excessive heat will build up in these confined spaces and may cause cable overheating.

Please refer to the Schluter®-DITRA-HEAT Installation Handbook for complete installation details and warranty criteria.
Step 1  Draw Room
Draw the room on a sheet of paper.

Step 2  Calculate Membrane Required
Measure areas where the membrane will be installed. The total will tell you how much DITRA-HEAT or DITRA-HEAT-DUO membrane is required.

<table>
<thead>
<tr>
<th>Area</th>
<th>Dimensions (Inches)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A₁</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A₂</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A₃</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A₄</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Divide total by 144 to get measurement in ft² ÷ 144</td>
<td></td>
</tr>
</tbody>
</table>

Calculated Area in Square Feet
Add at least 5% for cutting losses

Grand Total Membrane

Step 3  Calculate Cable Size(s)
Measure areas where the heating cable is to be installed. The total represents the maximum required length of DITRA-HEAT-E-HK heating cable.

<table>
<thead>
<tr>
<th>Area</th>
<th>Dimensions (Inches)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>B₁</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B₂</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B₃</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B₄</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Divide total by 144 to get measurement in ft² ÷ 144</td>
<td></td>
</tr>
</tbody>
</table>

Grand Total Heating Cable

Use this guide... or download our App with the DITRA-HEAT Estimator!

Scan Here
**Example**

**DITRA-HEAT or DITRA-HEAT-DUO Membrane**

<table>
<thead>
<tr>
<th>Area</th>
<th>Dimensions</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A₁</td>
<td>64&quot; x 48&quot;</td>
<td>3072 in²</td>
</tr>
<tr>
<td>A₂</td>
<td>80&quot; x 72&quot;</td>
<td>5760 in²</td>
</tr>
<tr>
<td>A₃</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>A₄</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Divide total by 144 to get measurement in ft²

8832 in² ÷ 144

**Calculated Area in Square Feet**

Add at least 5% for cutting losses 3.1 ft² +

61.3 ft²

**Grand Total Membrane**

64.4 ft²

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**DITRA-HEAT-E-HK Heating Cable**

<table>
<thead>
<tr>
<th>Area</th>
<th>Dimensions</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>B₁</td>
<td>15&quot; x 48&quot;</td>
<td>720 in²</td>
</tr>
<tr>
<td>B₂</td>
<td>28&quot; x 68&quot;</td>
<td>1904 in²</td>
</tr>
<tr>
<td>B₃</td>
<td>48&quot; x 72&quot;</td>
<td>3456 in²</td>
</tr>
<tr>
<td>B₄</td>
<td>25&quot; x 24&quot;</td>
<td>600 in²</td>
</tr>
</tbody>
</table>

Divide total by 144 to get measurement in ft²

6680 in² ÷ 144

**Grand Total Heating Cable**

46.4 ft²
Components

DITRA-HEAT Membranes
The DITRA-HEAT and DITRA-HEAT-DUO membranes are available in both mat and roll formats. They are each designed to secure the system heating cables and serve as a universal substrate for tile coverings. DITRA-HEAT-DUO also features an integrated thermal break designed to provide up to 70% faster heat-up times over concrete substrates and reduce impact sound transmission through floor-ceiling assemblies.

DITRA-HEAT membrane:
U.S. Patent Nos. 8,950,141; 9,428,920; 9,797,146 and
U.S. DES. PAT. No. D708,459. Other patents pending.

Heating Cable
The twisted pair heating cable is available in 120 and 240 Volt formats. The cables can be installed without returning to the thermostat and produce virtually no electromagnetic fields.

Digital Thermostats
The digital thermostat controls the floor temperature and is offered in touchscreen, programmable with or without WiFi capability, and non-programmable formats. A power module can be used in large floor applications where the heating load exceeds 15 amps.

Schluter®-Systems offers practical kits for common room configurations that include all necessary system components in the right dimensions.

For complete product information, visit schluter.com
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

Download our App with the DITRA-HEAT Estimator!

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

Videos Estimator Downloads