

Schlüter®-DITRA-HEAT-E

Integrated surface heating system
for tiles and natural stone

Material and shopping checklist

You will need the following materials to install a Schlüter-DITRA-HEAT-E heating system for a floor or wall:

- Schlüter®-DITRA-HEAT or -DUO
Uncoupling mat for attachment of heating cables
- Schlüter®-DITRA-HEAT-E-HK heating cable
- Schlüter®-DITRA-HEAT-E-R-WIFI smart thermostat
- Schlüter®-DITRA-HEAT-E-R3 touchscreen feature thermostat
- Schlüter®-DITRA-HEAT-E-R touchscreen thermostat
- Schlüter®-DITRA-HEAT-E-R4 basic thermostat with on/off switch

Complete floor sets for Schlüter-DITRA-HEAT-E

- DH S1
- DH S2
- DH S3

Complete floor sets for Schlüter-DITRA-HEAT-E-DUO

- DH D RT5 S1
- DH D RT5 S2
- DH D RT5 S3
- DH D RT5 S4
- DH D RT5 S5
- DH D RT5 S6
- DH D RT5 S7
- DH D RT5 S8
- DH D RT5 S9

Optional:

- Schlüter®-DITRA-HEAT-E-CT cable tester *
- Schlüter®-KERDI-KEBA sealing membrane for joints
- Schlüter®-KERDI-COLL-L sealing adhesive
- Tile\Stone
- Grout
- Adhesive approved for the application



Complete sets for Schlüter®-DITRA-HEAT-E

Convenient complete sets for floor and wall heating are available for a number of common room dimensions.

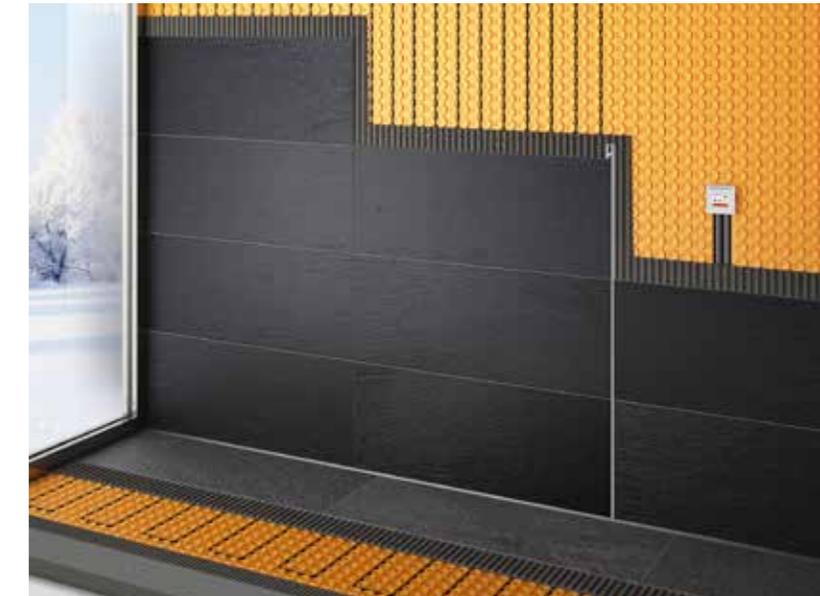


Complete sets at a glance

Sets contain: Schlüter-DITRA-HEAT-MA or Schlüter-DITRA-HEAT-DUO-MA uncoupling matting, Schlüter-DITRA-HEAT-E-HK heating cable, Schlüter-DITRA-HEAT-E-R touchscreen thermostat including sensors. The Schlüter-DITRA-HEAT-E-DUO-S kits included the Schlüter-DITRA-HEAT-E-R-WIFI smart thermostat.

Schlüter®-DITRA-HEAT-E-S			
Complete set for floor			
uncoupled area in m ²	heated floor area in m ²	Art.-No.	P = Set
5.6	3.8	DH S1	4
8.0	5.5	DH S2	4
3.2	2.2	DH S3	9

Schlüter®-DITRA-HEAT-E-DUO-S with WiFi Stat			
Complete set for floor with WiFi thermostat. -DUO mat features an integrated thermal break and acoustic fleece			
Uncoupled area in m ²	Heated floor area in m ²	Art.-No.	P = Set
1.6	1.1	DH D RT5 S1	9
2.4	1.6	DH D RT5 S2	9
3.2	2.2	DH D RT5 S3	9
4.0	2.7	DH D RT5 S4	8
4.8	3.3	DH D RT5 S5	8
5.6	3.8	DH D RT5 S6	5
6.4	4.4	DH D RT5 S7	5
7.2	5.0	DH D RT5 S8	4
8.0	5.5	DH D RT5 S9	4



With patented Schlüter®-DITRA technology



More information.

For further details and to find out more, visit www.ditraheat.co.uk



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Schlüter®-DITRA-HEAT-E

Electrical surface heating for tiles and natural stone

Schlüter-DITRA-HEAT-E is designed for installation in floors and walls, where it provides surface heating exactly where it's wanted. The unique combination of features of DITRA-HEAT-E make it the perfect companion for crack-free, and heated ceramic tile and natural stone coverings. Thus, the tile or stone is protected against permeating moisture, and cracks from the substrate are not transferred to the covering, direct load transfer, and uncoupling guarantees the long life expectancy of floor and wall coverings.

For floors and walls

Due to their ability to retain and evenly distribute heat, ceramic tiles and natural stone are not only ideally suited for floor heating, but also for use in walls. We therefore have consistently optimised the innovative Schlüter-DITRA-HEAT-E system for heating applications in comfort zones located in floors and walls.

Applications in floors:

- Heating tiled floors in living rooms and bathrooms to supplement full-scale heating systems (barefoot zones)
- Backup heating in buildings with very low heating energy needs (e.g. passive energy homes)
- Temporary heating of buildings that are only occupied occasionally, e.g. weekend homes
- Suitable as a full-scale heating system in conjunction with a corresponding thermostat

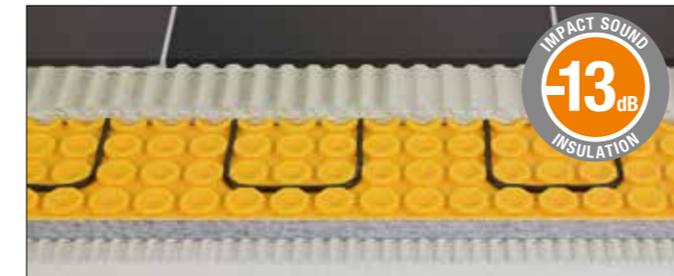
- ✓ **Creates cosy warmth**
- ✓ **Heating zones can be configured individually**
- ✓ **Low assembly height is ideally suited for renovation projects**
- ✓ **Uncoupling with proven DITRA technology**
- ✓ **Warms tiles even on problematic substrates**
- ✓ **Certified system components**
- ✓ **Suitable as full-scale heating system**

Applications in walls:

- Point heating of wall zones, for example for drying towels.
- Heating of walls to prevent mould growth, for example in shower areas
- Creating comfort zones in relaxation areas, dining corners, at desks or around seating arrangements
- Suitable as a full-scale heating system in conjunction with a corresponding thermostat

Schlüter®-DITRA-HEAT-E-DUO

Fast heat-up response - reduced impact sound



Schlüter-DITRA-HEAT-E-DUO is quick and quiet, providing optimal heating response, and impact sound reduction within its unique integrated fleece fabric on the underside of the membrane drastically reduces heat radiation into the substrate.

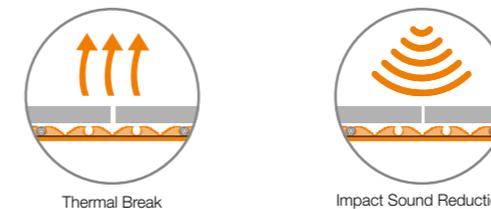
The thermal break on the membrane's underside pushes 80% of the supplied heat to the surface during the heat-up phase. Enabling a significantly faster heat-up response in the covering without any change in the low energy supply. The new DITRA-HEAT-DUO membrane is the ideal solution whenever heat is needed quickly and for a short time.

To give an example, a residential bathroom that is only used in the morning and evening for 1-2 hours needs a particularly responsive system with high efficiency. Warmth is required on demand in defined comfort zones, for instance in front of a vanity.

The thermal break in the form of an integrated fleece fabric is installed together with the DITRA mat and offers certified impact sound reduction of up to 13dB, equivalent to a 50% reduction to the human ear!

All this and the proven functions of the DITRA technology, uncoupling, crack-bridging, vapour pressure equalization, load distribution and CE marked waterproofing.

One membrane - two functions:



Advantages of Schlüter®-DITRA-HEAT-E

- ✓ **Pleasant room climate suitable for allergy sufferers**
Rooms are heated with gentle radiated heat and maintain their natural air humidity so that no allergens are stirred up. This creates a pleasant, healthy room environment.
- ✓ **Precise control**
With a choice of smart, digital and analogue thermostats, preferred temperatures can easily and precisely be set in every room. Smart control is available with the free Schluter-HEAT-CONTROL app for Android and Apple iOS devices.
- ✓ **Full-scale heating system**
Suitable as a full-scale heating system in conjunction with a corresponding thermostat.
- ✓ **Cost efficient**
System savings are calculated based on the expense of purchase, installation, maintenance and operation. Schlüter-DITRA-HEAT-E-DUO reacts faster during the heat-up phase saving time and money by pushing 80% of the heat to the surface.
- ✓ **Durable and maintenance-free**
Absence of wear and tear makes the system virtually maintenance-free with a long life expectancy.
- ✓ **Easy retrofitting**
Low assembly height (from 5.5 mm).
- ✓ **Simple to install**
The heating wires are installed within the uncoupling mat, with tiles adhered in the adhesive directly above.
- ✓ **Convenient complete sets**
Schlüter-Systems offers convenient sets for common sizes that include all necessary system components.
- ✓ **Ideal for use in combination with the ceramic thermal comfort floor**
The system components Schlüter-DITRA-HEAT-E supplement the floor heating system Schlüter-BEKOTEC-THERM.