

ORDERING INFORMATION

Electric Underfloor Heating - devimat®				
Area to be warmed (m ²)	devimat® DTIF-100 100W/m ² for timber based floors		devimat® DTIF-150 150W/m ² for concrete based floors	
	Heating Loads (watts)	Product Code ⁽¹⁾	Heating load (watts)	Product Code ⁽¹⁾
1.0	100	83030101	150	83030121
1.5	150	83030102	225	83030122
2.0	200	83030103	300	83030123
2.5	250	83030104	375	83030124
3.0	300	83030105	450	83030125
3.5	350	83030106	525	83030126
4.0	400	83030107	600	83030127
5.0	500	83030108	750	83030128
6.0	600	83030109	900	83030129
7.0	700	83030110	1050	83030130
8.0	800	83030111	1200	83030131
9.0	900	83030112	1350	83030132
10.0	1000	83030113	1500	83030133
12.0	1200	83030114	1800	83030134

Please note: (1) comes complete with a 4m connection tail and 2m length of flexible conduit to accommodate the floor sensor.

Thermostat & Cable Monitor		
Feature	Type	Product Code
Intelligent, 7 day programmable, White	devireg 550	19150028
Intelligent, 7 day programmable, Silver	devireg 550	19150062
Easy to use, room thermostat	devireg 130	19112012
Cable Monitor	deviguard	30953095

CONNECTIONS

Thermostat Switching Limits	
Mat Type	Maximum Mat Area
100 W/m ² , for wooden floor structure	35.0m ²
150 W/m ² , for concrete floor structure	23.0m ²

Please note: If the area to be heated exceeds the values above, use multiple thermostats, or use a suitable sized load contractor to switch the load.

It is recommended that the devimat® is connected to the mains via a 30mA residual current device.

Areas up to 29m² for timber floors, and 19m² for concrete floors can be connected to a standard 13amp switched spur.

For floor areas larger than these, please consult a qualified electrician.

ADDITIONAL PRODUCTS



A **deviguard®** cable monitor is also available and can be connected to the heating mat during the installation. The monitor measures circuit resistance raising an alarm if the heating cable is cut or damaged.



Like all Danfoss products, the devimat® system is available to purchase from your local merchant, stockist or wholesaler.

devimat® Electric Underfloor Heating

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Simple electric underfloor heating with the devimat® system



Danfoss Randall is pleased to introduce a range of electric underfloor heating products to its range. With an increasing interest in ceramic or stone tiled floors in kitchens and bathrooms, consumer desire for the comfort of a warmed floor can be achieved using simple to install electrically heated mats.

Electric underfloor heating is growing rapidly in popularity, but it is important for both consumer safety and long operating life that only high quality professional products are fitted. The Danfoss **devimat®** system is produced in Denmark by the world-leading floor heating manufacturer Devi A/S who are now part of the Danfoss Group. All heating cables are earth screened for extra safety and carry a 10-year warranty against failure.

The **devimat®** is a thin electrically heated mat specifically designed for installation, within an adhesive layer, under floor tiles. The product is ideal for use in areas such as bathrooms and kitchens in both new build and renovation situations.



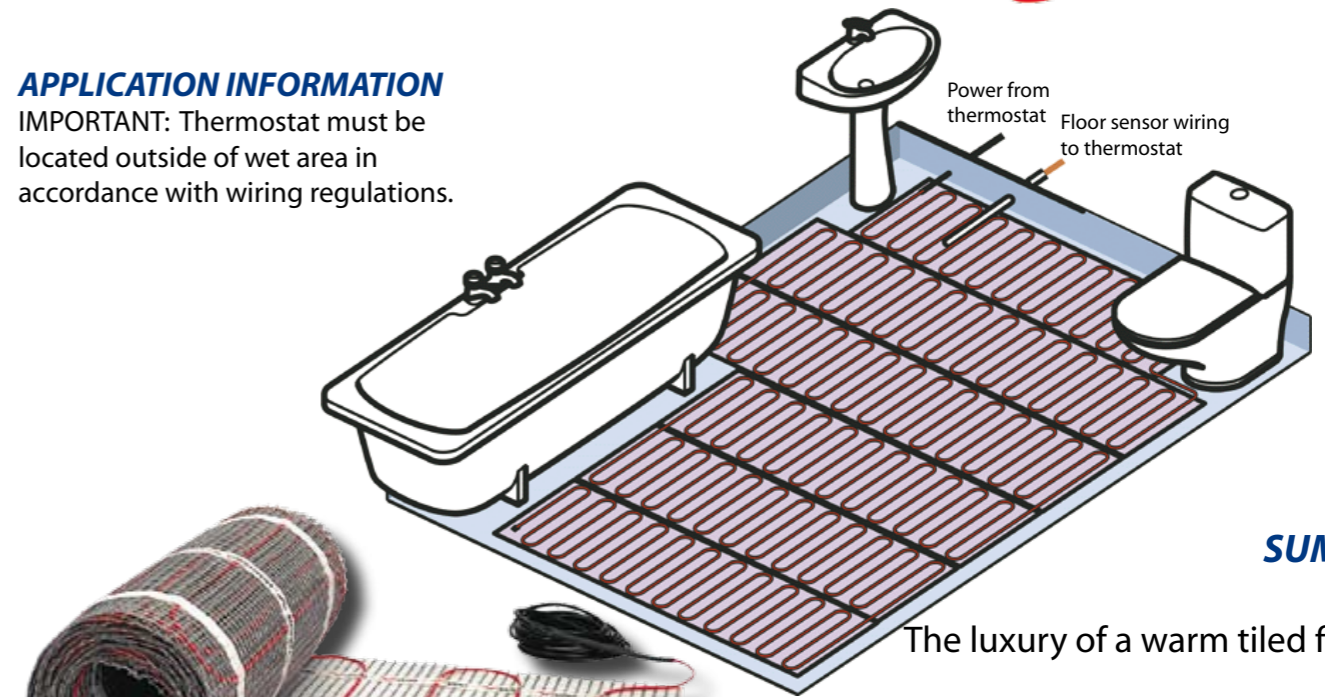
The picture above shows devimat® fitted underneath marble tiles in a bathroom.

The system provides a cost effective method of providing warmed floors as opposed to full space heating. Available in two versions, one for timber based floors and another for concrete based floor systems, **devimat®** is easy to size and install.

The mat is prefabricated for easy installation and comprises a self adhesive open mesh onto which a thin heating cable is attached. The mat is laid onto the floor and is then covered by a flexible tile adhesive which is used to fix the tiles to the floor. Mats are available in a range of sizes (see over for Ordering Information).

Control is by an intelligent programmable thermostat, type **devireg® 550**, which is used to control floor temperature. The 550 is a flush mounting thermostat which can control up to 3600 Watts, and comes complete with a floor sensor on a 2.5m cable.

APPLICATION INFORMATION
IMPORTANT: Thermostat must be located outside of wet area in accordance with wiring regulations.



devimat®



devireg® 550 White and Silver

SUMMARY

- The luxury of a warm tiled floor
- Even heat across the floor
- Simple to install
- No significant increase in floor height
- Dry floor removes the possibility of mould growth
- Ultra-thin mat, just 3.5mm deep
- Devimat is guaranteed for 10 years

INSTALLATION INFORMATION



1. The free area where the floor heating is to be fitted must be measured to determine which size devimat® is needed.

2. A groove is cut into the floor and wall approximately 10mm deep and wide for the floor sensor and tube. The tube allows for easy removal of floor sensor if required.

3. Before laying the self-adhesive mat, the floor should be clean and dry, primed if necessary. Once the mat has been tested, it is then rolled out and laid on the floor.

4. On reaching the end of the mat run, simply cut the mesh, turn the mat and lay the next piece beside the first. The red heating cable must NOT be cut.

5. If required the mat can be fixed to the floor using staples or tape on a timber floor, or a glue gun. With the mat in place the floor is ready to be covered.

6. The devimat® can be covered by one layer of flexible tile adhesive/self-levelling compound and allowed to dry before tiling, or lay the tile adhesive and tiles in one operation. Always use flexible tile adhesive and grout.

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