



The deviheat underfloor heating system

# deviheat underfloor heating – a simple, invisible and efficient alternative to conventional heating systems

Whether you are building a house, conservatory, extension or carrying out a renovation, the deviheat underfloor heating system provides a professional heating package, combining simple installation, high product performance and minimal running costs.

## Invisible comfort

deviheat radiates even heat across the whole floor surface, providing a total heating solution and a comfortable, efficient and economical alternative to conventional heating. Furthermore, as the system is beneath the floor, you have total freedom when decorating and furnishing your home!

## Economical

Typically, electric underfloor heating makes it possible to lower the average room temperature by 2°C without affecting the level of comfort. The deviheat system costs approximately 1.2p per hour per m<sup>2</sup> to run.



## Capital cost savings

Once installed, there are no future maintenance costs to consider.

## Health benefits

Underfloor heating makes a substantial contribution to eradicating the house dust mite, the most common trigger of allergy in the UK, helping to create a cleaner, dust-free environment.

## Fully compliant with current EU regulations

The deviheat system is rated at 200 W/m<sup>2</sup>, to enable total comfort heating. Current regulations state that systems exceeding 150W/m<sup>2</sup> should be installed within the floor construction, i.e. beneath the screed. This ensures that the surface floor temperature does not reach potentially unsafe levels

## Ideal for conservatories

deviheats' individual controllability means it complies fully with Part L of the building regulations for the heating of conservatories.

## 10-year warranty and complete technical support

DEVI provides complete technical support and all mats and cables are backed up by a ten-year manufacturer's warranty. Thermostats are backed up by a two-year manufacturer's warranty.



## Installation



The devifast metal fixing strip is used to secure the heating cables.

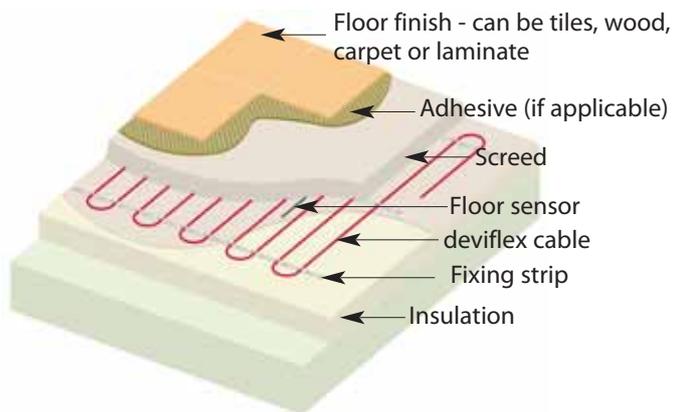


The fixing strip is laid at regular intervals across the floor using either masonry nails or tape, which ensure s that the cable can be evenly spaced. The cable can either be laid on a concrete base or foil backed insulation.



A piece of flexible tubing is used to connect the sensor led back to the thermostat.

## Recommended floor structure and finishes



Here the insulation is laid on top of the concrete slab, followed by the heating cable. The cable is covered with a minimum of 65mm\* sand and cement screed. The chosen floor covering is then laid; this can be tiles, wood, laminate, carpet or vinyl.

\* NB. According to BS 8204 based on using a sand and cement screed. Please refer to manufacturers guidelines for other screeds, where a lesser thickness may be possible.

## Controlling your system

### devireg 535

- Flush mounted, fully programmable 7-day combined thermostat and timer. Can be set to monitor floor temperature, room temperature or a combination of the two.



- Fits into a standard 47mm single socket box.

### devireg 550

- Flush mounted, fully programmable 7-day combined thermostat and timer.



- The thermostats' built in intelligence learns how each installation operates and adjusts the switching on time accordingly, which ensures minimal running costs.

- Available in polar white and 'brushed' silver; both thermostats fit into a standard 47mm single socket box.

## Choosing your system

From the table, select the deviheat product pack nearest to the available FREE floor area of your room, excluding any floor obstructions such as kitchen units, bath, WC.

The product packs include deviflex heating cables stated in the table, a devireg 550/535 controller and sufficient fixing strip.

\* Please note that the devireg 550/535 controller has a switching limit of 16 amps, therefore those packs with a '\*' will need a contactor supplied and fitted by the electrical contractor as the total heating load exceeds the amount the controller is able to switch.

Pack number	Floor area (m <sup>2</sup> )	Output (Watts)
DA01	5	1070
DA02	6	1260
DA03	7	1465
DA04	8-9	1820
DA05	10-11	2215
DA06	12-13	2640
DA07	14-16	3170
DA08*	17-19	3855
DA09*	20-23	4565
DA10*	24-26	2640 & 2640
DA11*	27-29	2640 & 3170
DA12*	30-32	3170 & 3170
DA14*	33-35	3170 & 3855
DA15*	36-37	3855 & 3855
DA16*	38-43	3855 & 4565
DA17*	44-46	4565 & 4565
DA18*	47-50	2 x 3170/3855



Wiring is used to house the floor cable connection point.



The heating cable and floor sensor are tested prior to screeding.



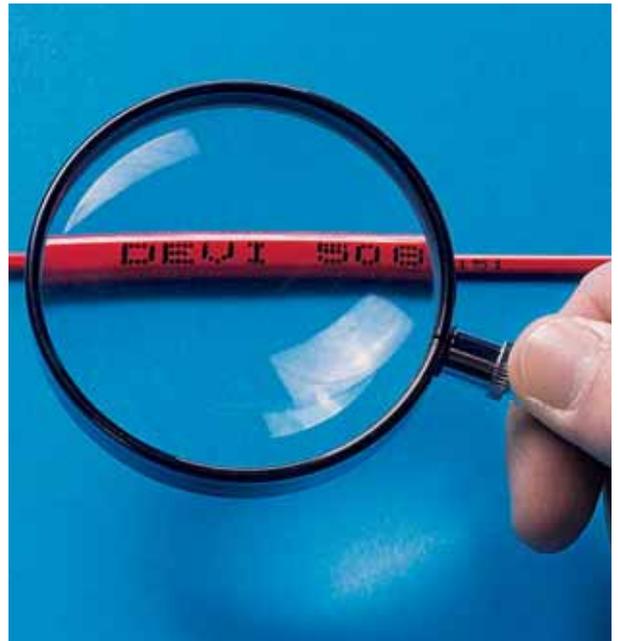
The heating cables are covered with sand and cement screed. Once the screed is dry, the heating should be turned on gradually over a 48 hour period.

# Complete technical support

Established for over 40 years, DEVI is the worlds leading manufacturer of electric underfloor heating systems and the preferred partner of many of the UK's leading housebuilders and developers. DEVI has a long track record of delivering successful projects in the UK, ranging from single properties, through to large apartment developments.

DEVI provides complete technical support and after-sales care. Furthermore, all mats and cables are supplied with a ten-year manufacturer's warranty and thermostats are supplied with a two-year manufacturer's warranty.

As a member of the international Danfoss group we have extensive research development and manufacturing units working to the highest EU standards. As an ISO9001 compliant company, you can have total confidence in the quality and reliability of our products and service.



# A wealth of experience



Omega 3, Bow, Londongreen Developments



Celtic Shores, Whitsand Bay, Cornwall



Kew Riverside, London, St James Group.



Contact your local distributor for futher information on our devimat, devireg and devicell product ranges.

