



Enjoy the all year
housewarming

Electrical floor heating with Devimat™

www.devi.com

DEVI ™
Member of the Danfoss Group

The thin Devimat™ heating mats only take up three millimetres which means that the height of your floor will lift no more than 8-10 mm, making a DEVI thin floor system perfect for e.g. renovation purposes.



Live in comfort with DEVI floor heating

Feel the freedom – say goodbye to cold feet

Give your feet the ultimate treat and experience the luxury of walking around barefooted anywhere in your house – without getting cold feet. With an electrical underfloor heating system from DEVI, the way is short to pampering and well-being. The system is easy to install, gives a very high heating comfort and makes room for stylish furnishing. Enjoy warm feet 365 days a year with electric floor heating from DEVI.



Luxury meeting your budget

Conventional heating systems produce uneven heat which tends to create a concentration of the highest temperatures right under the ceiling.

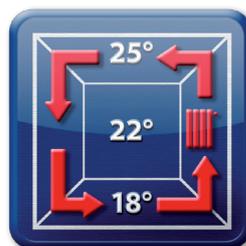
This means that most of the heat will not be enjoyed and ultimately you will pay for lost energy. DEVI floor heating – on the other hand – uses the law of nature and lets the heat rise evenly from the floor. The result is a delightful and comfortable heat with no draughts to spoil your homely

comfort. You will feel nice and warm around your feet, pleasantly warm around your body and cooler at head height. The best possible utilization of your heat energy.

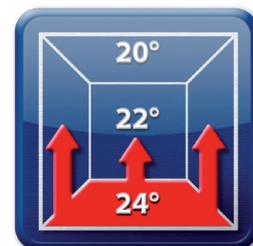
DEVI electrical floor heating is a simple and cost-effective solution that lets your bare feet ignore the weather outside. No more cold floors, thick layers of woollen socks, space-consuming radiators – just let your feet enjoy the open indoor environment.

Devimat™ – the most advanced heating mat on the market

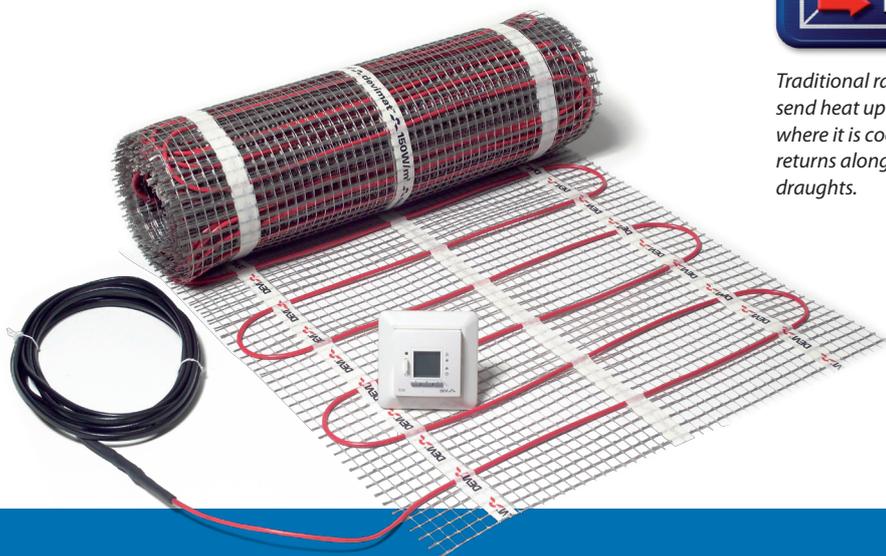
The Devimat™ is equipped with a thin 2-conductor cable with a thickness of just 3.3 mm. Devimat™ is – as the only mat on the market – self-adhesive on both the netting and the tape for maximum adhesiveness.



Traditional radiator systems send heat up under the ceiling where it is cooled off and returns along the floor as cool draughts.



A DEVI floor heating system distributes the heat across the floor surface and leaves the rest to the natural law that heat rises.





You can enjoy your daily dose of luxury with a clear conscience

Because Devimat™ heating cables are fitted just below the floor surface, the heating system reacts quickly. In combination with DEVI's precision thermostats this means that you can achieve precisely the heating comfort you dream of without wasting energy.

This way you can ensure that your family experiences the ultimate in heat comfort without wasting energy and compromising the environment. With DEVI floor heating the

average room temperature can easily be lowered by 1 to 2°C, making luxury heating cost-effective.

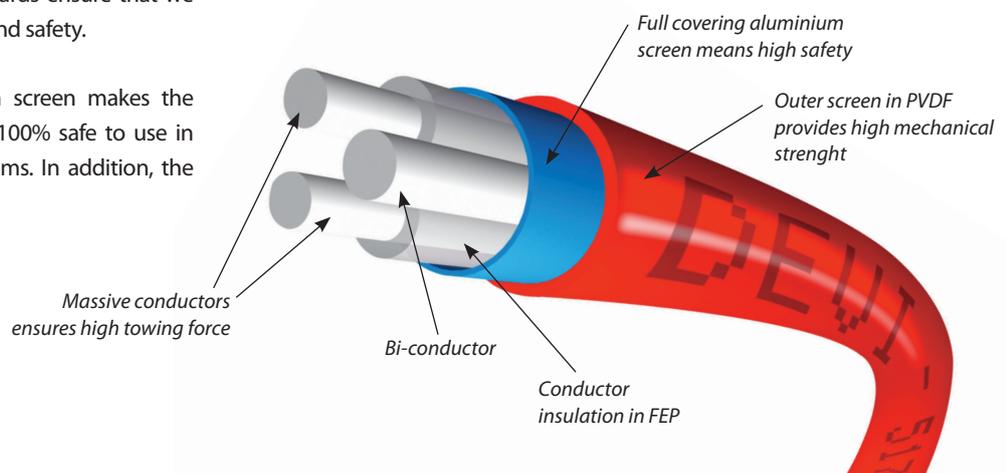
If your floor is averagely well insulated, you should budget for an annual consumption of approx. 100 kWh per m² when the room is heated by DEVI floor heating alone. By way of comparison, you use approx. 500 kWh per year on your chest freezer, 291 kWh on your washing machine and 369 kWh annually on your tumble dryer.

Decades of experience give you the best

DEVI was founded in Denmark in 1942 and for decades DEVI has manufactured cables and thermostats for electrical floor heating. This experience, our dedication to innovation and our compliance with every current EU standards ensure that we are offering you only the best in quality and safety.

The Devimat™ full covering aluminium screen makes the solution not only very strong, but also 100% safe to use in wet areas such as kitchens and bathrooms. In addition, the

complete technical back-up and ten-year manufacturers warranty give you the most unique under-floor heating system on the market today.



The perfect choice for your well-being

High quality mats as well as our full range of powerful electronic temperature controls make DEVI floor heating the perfect choice for the ultimate comfort.

Devimat™ plus Devireg™ means full value

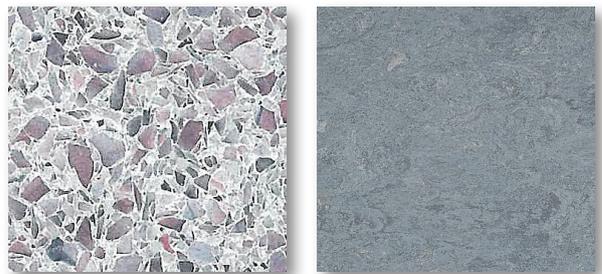
Devireg™ thermostats are developed to make sure you have full control of your overall room temperature. Integrated with Devimat™ as one complete solution, Devireg™ ensures that you have the most comfortable indoor environment you could ever dream of.



Integrate your Devimat™ with the advanced Devireg™ thermostats and gain accurate control of both floor and room temperature.

All-round floor heating

Devimat™ cable mats work efficiently underneath all kinds of floor covering - ceramic tiles, natural stone tiles like marble, terrazzo, wooden parquet, wood laminates and any type of wall-to-wall carpet and linoleum. Whatever the covering, Devimat™ provides you with a nice and warm floor.



When fitting Devimat™ underneath wooden floors, it is important that you always follow the maximum temperature recommendations of the floor manufacturer to prevent malfunctions from occurring. This you can ensure by using a Devireg™ 535 or 550 timer/thermostat with temperature control.



10-year warranty

The Devimat™ comes with a comprehensive 10-year warranty, covering not only the product, but also any possible associated cost. DEVI is the world's largest manufacturer of electrical heat cabling systems for room heating and DEVI is part of the Danfoss Group, Denmark's largest industrial enterprise.

Easy to plan – quick to install

In order to obtain the optimal floor heating solution it is important that you choose the correct Devimat™ to fit your needs – both in regards to size and wattage.

You do this quickly and simply by using a tape measure, pencil and paper – and by using the product programme on the back of this brochure.

How to choose the right Devimat™

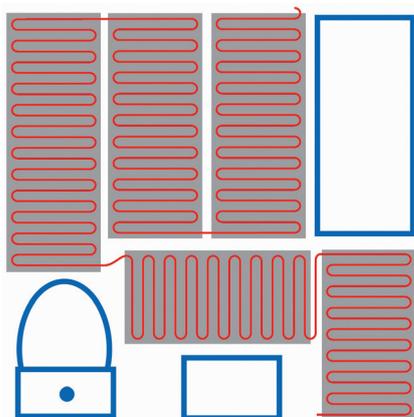
You start by measuring the free surface area in the room where you want to install Devimat™ and then draw a sketch of the room to ensure you have something to refer to during the installation of the heating mats.

Now choose the closest size of Devimat™ (always choose the closest MINOR size).

Depending on which type of floor you are building, you can choose Devimat™ DTIF in 100 or 150 W/m². Devimat™ DTIF 100 with 100 W/m² is optimally suited for wooden floors and DTIF 150 with 150 W/m² is especially suited for fitting on top of concrete and below tiled floors.

Example:

A bathroom is to be heated with Devimat™ as the only source of heat. The free space (i.e. the floor surface of the room minus toilet, bathtub, etc.) is calculated as 6.3 m². The floor will be tiled and the base of the floor is concrete. The correct choice of Devimat™ is Devimat™ 150, 6.0 m².



How to pick the optimum DEVI thermostat

You can choose between four fully electronic thermostat series covering all requirements - from simple and precise permanent room control to intelligent, adaptive timer control.

The Devireg 130 series



The Devireg™ 130 surface-mounted electronic thermostat is used for floor temperature regulation only, e.g. for applications where another heating source is supplying the room heat.

The Devireg™ 130 ensures simple and precise control of electrical floor heating in rooms with all kinds of flooring.

The Devireg 530 series



The built-in Devireg™ 530 thermostat is a classic, high-quality thermostat: simple to use, yet extremely precise electronic control.

The 530 is the correct choice whenever timer controls are considered expendable, e.g. in a bathroom where users want a precise, fixed floor temperature 24 hours a day all year round.

The Devireg™ 535

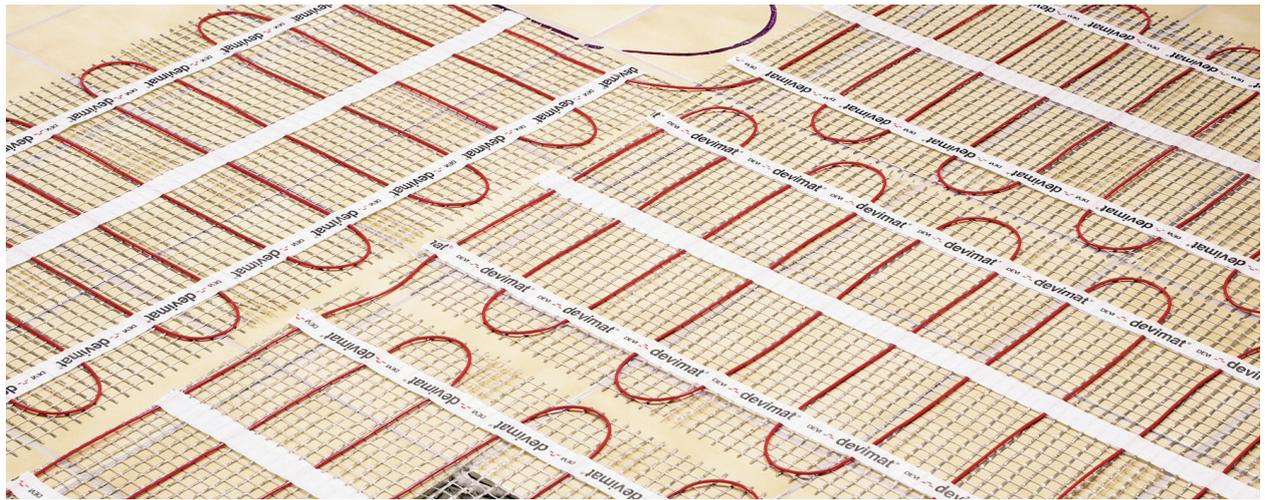


The Devireg™ 535 is a digital thermostat that has three functions in one: floor sensor, room sensor or a combination of the two. The thermostat can be locked at a maximum temperature, which enables it to be used together with wooden flooring or with a minimum temperature so that a bathroom floor, for example, can always be kept at a fixed, comfortable minimum temperature. An IP 31 certification makes the 535 well suited for bathrooms and other wet rooms.

The Devireg™ 550



The Devireg™ 550 TimerThermostat is an intelligent timer-thermostat. The Devireg™ 550 work out for itself the time to turn on the heat to achieve the right temperature at the right time. Set the program for 22°C at 7 am and the 550 will make sure that the temperature is right at that time. During the year it will continually adjust itself to the climate situation. The Devireg™ 550 uses a sophisticated, unique regulator which enables it to work actively within comfort parameters, room temperature and economy in order to improve on comfort and – at the same time – save on energy.



Fitting your new Devimat™ in 6 simple steps

Fitting Devimat™ is simple to do by yourself, should you choose to. However, please bear in mind that all electrical connections must always be carried out by a qualified

electrician. A step-by-step procedure is provided below to make it as easy as possible for you.

1 Start by measuring the area where you want your floor heating. This way you can determine which size of Devimat™ you need. Always select a Devimat™ package that is slightly smaller than the floor area.



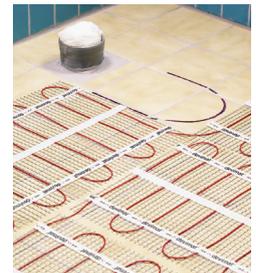
2 Then cut a 10 mm wide groove into the floor and wall for the floor sensor and tube. The tube allows for easy removal of the floor sensor, if required. Glue the tube housing the floor sensor into the channel and seal the end of the pipe with duct tape.



3 Before laying the self-adhesive mat, your existing floor should be clean and dry and primed if necessary. Once the mat has been tested, it can be 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 next to the first one. The red heating cable must NOT be cut. The mat can withstand 3-5 adjustments as long as you do not press the mat to the floor. When you are happy with the result, press the mat to the floor. Devimat™ will now adhere firmly to the surface.



5 Cover with one layer of flexible tile adhesive/self-levelling compound and allow it to dry before tiling or lay the adhesive and tiles in one operation. A flexible adhesive and grout should always be used.



6 Mount the new tiles on the adhesive. Joint the tiles and let the floor dry for two weeks before turning on the heating.



Programme

 <p>84 x 84 mm</p> <p>Devireg™ 130</p>		 <p>84 x 84 mm</p> <p>Devireg™ 530</p>		 <p>84 x 84 mm</p> <p>Devireg™ 535</p>		 <p>84 x 84 mm</p> <p>Devireg™ 550</p>	
Art. no.	Description	Art. no.	Description	Art. no.	Description	Art. no.	Description
19112000	Electronic thermostat with floor sensor, on wall mounting.	19116400	Electronic thermostat with floor sensor, flush mounting.	19116600	Digital timer/ thermostat with floor room and combined sensor, flush mounting.	19150026	Intelligent, adaptive timer thermostat with floor, room and combined sensor, flush mounting.

Devimat™ 100 heatmat 100W/m ²				Devimat™ 150 heatmat 150W/m ²			
Art. no.	Area cut	Width x length	Output (W)	Art. no.	Area cut	Width x length	Output (W)
83030101	1,0 m ²	50 x 200	100	83030121	1,0 m ²	50 x 200	150
83030102	1,5 m ²	50 x 300	150	83030122	1,5 m ²	50 x 300	225
83030103	2,0 m ²	50 x 400	200	83030123	2,0 m ²	50 x 400	300
83030104	2,5 m ²	50 x 500	250	83030124	2,5 m ²	50 x 500	375
83030105	3,0 m ²	50 x 600	300	83030125	3,0 m ²	50 x 600	450
83030106	3,5 m ²	50 x 700	350	83030126	3,5 m ²	50 x 700	525
83030107	4,0 m ²	50 x 800	400	83030127	4,0 m ²	50 x 800	600
83030108	5,0 m ²	50 x 1000	500	83030128	5,0 m ²	50 x 1000	750
83030109	6,0 m ²	50 x 1200	600	83030129	6,0 m ²	50 x 1200	900
83030110	7,0 m ²	50 x 1400	700	83030130	7,0 m ²	50 x 1400	1050
83030111	8,0 m ²	50 x 1600	800	83030131	8,0 m ²	50 x 1600	1200
83030112	9,0 m ²	50 x 1800	900	83030132	9,0 m ²	50 x 1800	1350
83030113	10,0 m ²	50 x 2000	1000	83030133	10,0 m ²	50 x 2000	1500
83030114	12,0 m ²	50 x 2400	1200	83030134	12,0 m ²	50 x 2400	1800

Facts about DEVI floor heating

- DEVI provides a strong and completely maintenance-free heating system – without pipes, valves and radiators.
- DEVI's heating cable mat, Devimat™, has been approved for use in wet rooms – also in shower cubicles.
- A DEVI floor heating system uses less energy than radiators because the system exploits the thermal law of nature: Heat rises.
- A DEVI floor heating system uses less energy than water-based floor heating systems because the thermostat controls the system very precisely.
- A DEVI floor heating system which is used for all the heating in a well-insulated bathroom uses approx. 100 kWh/m² per year.
- If DEVI is used solely for comfort heating of the floor, consumption is approx. 50 kWh/m² per year – at the same time consumption is reduced correspondingly on the rest of the heating system.