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MILLIMAT™ – Nexans Underfloor Heating

 Nexans



MILLIMAT™ – Heating Mat
Nexans Underfloor Heating



Since 1926 we have produced underfloor heating for habitants in one of the world's coldest countries

Nexans heating cables are a Norwegian invention and product. We have been producing heating cables since 1926. Over the years we have continued developing our products to meet the changing demands of the marketplace.

Nexans heating cables meet the highest quality standards and are certified by local electrical appliance organizations in all major markets. Our heating cables come with a 10 year warranty given that they are installed correctly according to the manufacturer's installation instructions.

Nexans – global expert in cables and cabling systems

Nexans is the worldwide leader in the cable industry, with industrial presence in more than 30 countries and commercial activities throughout the world. Nexans employs 21.000 people and had sales in 2006 of euros 7.5 billion. Nexans' know-how and innovation skills are used for developing increasingly competitive cables for any industry; from energy networks and telecommunications to railway projects, the oil and gas industry etc.

Solutions for all room types

Nexans underfloor heating is ideal in most types of rooms, for example; bathrooms, toilets, hallways, living rooms,

kitchens and rooms where children play. The floor is a large area with a low surface temperature. Producing heat under the floor however will ensure radiant heat from the floor and a favourable heat distribution throughout the room.

Renovation of existing rooms improves the standard and value of any home. It is also the perfect time to install electrical floor heating, as electrical floor heating is a cost effective and environmentally friendly way of keeping your home comfortable and warm. No maintenance is required.

Thin floor solution!

When renovating a building, it is usually the constructional depth that is the limiting factor. People do not want to have to carry out expensive, time-consuming work such as raising door sills, adapting doors etc.

MILLIMAT™ - Heating Mat

Nexans has developed this heating mat for renovation projects. It is ideal for renovation of all types of rooms, including bathrooms.

The mat consists of a slim heating cable on a self adhesive glass fiber mesh. The mat is only 4 mm thick and can be installed in most rooms with a thin floor construction. The mat is easily adapted to the shape of the room and may be installed directly in the tile adhesive.

The mat is delivered with 130 W/m² or with 80 W/m² at 230 VAC.

The 130 W/m² mat is usually installed in bathrooms and other barefoot areas, whereas the 80 W/m² is usually installed in living rooms, kitchens, hallways etc.

The 80 W/m² mat may also be used under parquet or other wooden floor coverings, the use of a thermostat with a temperature limit of max. 35°C is recommended.



MILLIMAT™

A slim heating cable on a self adhesive glass fiber mesh. The mat is only 4 mm thick and is available as 230 V, 80 W/m² and 230 V, 130 W/m².



Ideal for all rooms

Tiles, parquet or other wooden floor coverings can be installed in most rooms with a thin floor construction.

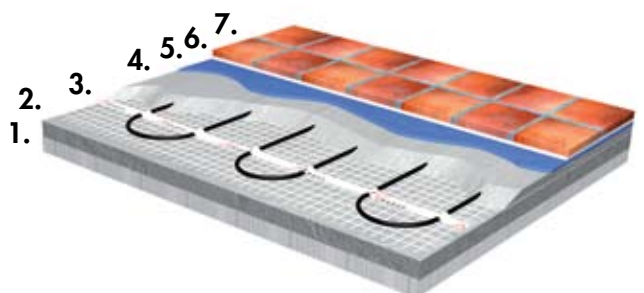


Easy to install

The mat is easily adapted to the shape of the room and may be installed directly in the tile adhesive.

Basic solution for MILLIMAT™ floor:

1. Insulation
2. Non combustible sub floor
3. MILLIMAT™
4. Thin screed/ slab
5. Membrane
6. Tile glue
7. Tiles/ floor covering



For our full Nexans product range of heating cable systems and technical details, please visit our heating cable website www.nexans.com/heating

MILLIMAT™ – Heating Mat 80 W/m²

Output	Mat width	Mat length	Mat area	Min. room area	Nominal element resistance (Ω)			Nexans code no.
					Min. (-5%)	Nominal	Max (+10%)	
(W)	(m)	(m)	(m ²)	(m ²)				
150	0.4	4.6	1.8	1.9	335	352.7	387	10044268
200	0.4	6.1	2.4	2.6	251	264.5	291	10044269
300	0.4	9.2	3.7	3.9	168	176.3	194	10044270
400	0.4	12.2	4.9	5.2	126	132.3	145	10044271
500	0.4	15.3	6.1	6.5	100	105.8	116	10044272
600	0.8	9.4	7.5	7.8	84	88.2	97	10044273
700	0.8	10.9	8.7	9.1	72	75.6	83	10044274
840	0.8	13.1	10.5	10.9	60	63.0	69	10044275
1000	0.8	15.8	12.6	13.0	50	52.9	58	10044276

MILLIMAT™ – Heating Mat, 130 W/m²

Output	Mat width	Mat length	Mat area	Min. room area	Nominal element resistance (Ω)			Nexans code no.
					Min. (-5%)	Nominal	Max (+10%)	
(W)	(m)	(m)	(m ²)	(m ²)				
150	0.4	2.7	1.1	1.2	335	352.7	387	10024202
200	0.4	3.6	1.5	1.6	251	264.5	291	10022462
300	0.4	5.3	2.1	2.4	168	176.3	194	10024203
400	0.4	7.1	2.8	3.2	126	132.3	145	10022463
500	0.4	8.8	3.5	4.0	100	105.8	116	10022464
600	0.8	5.5	4.4	4.7	84	88.2	97	10022467
700	0.8	6.5	5.2	5.5	72	75.6	83	10022468
840	0.8	7.7	6.2	6.6	60	63.0	69	10022469
1000	0.8	9.2	7.4	7.8	50	52.9	58	10022470





Benefits of using MILLIMAT™ - Heating Mat

Comfortable

The heating mat provides comfortable heat which is evenly distributed throughout the room.

Affordable

Consisting of only a mat and a thermostat, the heating mat system should be affordable for most house owners. When the heating mat is controlled by an electronic thermostat, the thermostat will react immediately and independently to any temperature change in the room. This ensures a highly energy efficient heating system for your home.

Easy installation

The mat is just rolled out before the tile adhesive is applied. It is self adhesive and is attached by pressing it lightly against the base. The mat can easily be adjusted to fit the shape of the room. The cable on the mesh is twin conductor, and no return to the power supply is required. The heating system may be used in any existing room where you want to install tiles.

Reliable and safe

The mat is designed in accordance with the international standards and safety regulations. It is manufactured in accordance with the quality assurance standard ISO 9001 and the environmental control standard ISO 14001. It is supplied with a 10 year warranty, subject to correct installation and operation. Furthermore, the mat requires no maintenance. The twin conductor cable is free of electro-magnetic field radiation and represents no electrical hazard when properly installed.

Invisible

The mat doesn't take up any wall space, making it much easier to plan the layout of your room.



Website for Nexans heating cables!

www.nexans.com/heating



Global expert in cables and cabling system

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NEXANS NORWAY AS reserves the right to implement product changes without prior notice.