

 Nexans

Underfloor Heating System



MILLIMAT™ – Heating Mat with hidden splice

MILLITEMP™ – Thermostat

NEW! MILLIMAT™ - Heating Mat with hidden splice

Nexans has developed MILLIMAT™ heating mat for thin floor constructions. It is ideal for both new build and renovation of all types of rooms, including bathrooms.

Applications:

MILLIMAT™ – Heating Mat is ideal for both renovation and new build projects. The heating mat consists of a thin twin conductor heating cable unit attached to an adhesive flexible glass fibre net. The heating cable unit is from the factory connected to a 2.5 m cold lead through an integrated splice.

This splice is as thin and robust as the cable itself, and eases installation as it is not necessary to modify the subfloor when placing the splice. Further more this splice technology is more reliable and safer than any type of manual splice.

Two product series are available:

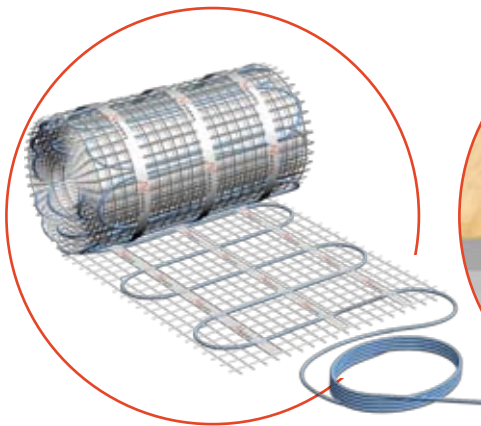
The 100 W/m² mat is recommended for living rooms, hallways, kitchens and rooms alike. The mat can be installed on any type of level and stable subfloor.

The 150 W/m² mat is recommended for bathrooms, toilets, laundry rooms and

other areas requiring high output. The mat must be installed on a solid, level, and stable subfloor.

A floor in which heating has been installed during renovation is usually very quick and easy to regulate, because the heating mat is located near the top of the floor construction, resulting in low energy consumption.

The mat is adjusted to the room shape by cutting the net.



MILLIMAT™

A slim heating cable on a self adhesive glass fibre mesh.



Ideal for all rooms

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

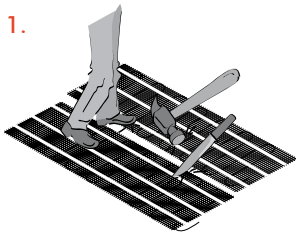


Easy to install

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

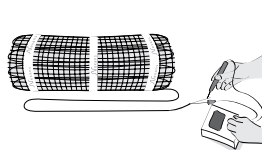
MILLIMAT™ - Brief guide to installation

1.



Take care when handling and installing the product.

2.



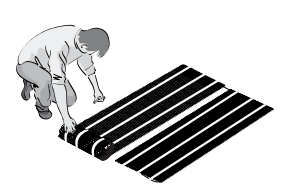
Check cable integrity and resistance.

3.



Apply primer.

4.



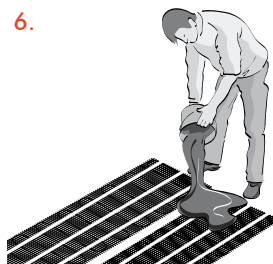
Install and adjust mat according to room shape.

5.



Check heating cable before pouring.

6.



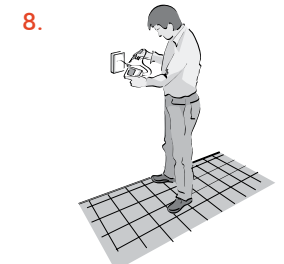
Pour screed and tile adhesive.

7.



Install tiles or floor covering.

8.



Check cable integrity. Final check.



For real installation: Please follow installation instructions enclosed in the box of the purchased MILLIMAT™.

NEW! MILLITEMP™ - puts you in control

- Modern design
- Flexible programming
- Comfort made easy



Puts you in control

Precise and accurate temperature control is important to fully achieve the advantages of floor heating without using more electric energy than necessary. Heating cables in combination with an accurate thermostat are probably the most energy efficient heating system one can have in a modern building.

Features

- Large screen with blue backlighting
- 2-event programme, or constant temperature control
- Clock - 12 hours (am/pm) / 24 hours
- Day display (Monday - Sunday)
- Sensor: Floor/Room or combined with limiting function
- Celsius or Fahrenheit display selection
- Frost protection mode

Specifications

- Accuracy: +0,5°C/1F
- Maximum load: 16A
- Power supply: 230V
- Dimensions: 86 x 86 x 13 mm (WxHxD)



MILLIMAT™ with hidden splice

MILLIMAT™ – 100 W/m²

Nexans Code no.	Mat Area	Output	Mat Length	Mat Width	Element Resistance		
	(m ²)	(W)	(m)	(m)	Min (-5%)	Nominal	Max (+10%)
10143274*	1.0	100	2	0,5	502.6	529.0	581.9
10143276*	1.5	150	3	0,5	335.0	378.9	387.9
10143277*	2.0	200	4	0,5	251.3	291.0	291.0
10143278*	2.5	250	5	0,5	201.0	232.8	232.8
10167422	3.0	300	6	0.5	167.5	176.3	194.0
10167423	3.5	350	7	0.5	143.6	151.1	166.3
10167644	4.0	400	8	0.5	125.6	132.3	145.5
10167645	5.0	500	10	0.5	100.5	105.8	116.4
10167646	6.0	600	12	0.5	83.8	88.2	97.0
10167647	7.0	700	14	0.5	71.8	75.6	83.1
10167648	8.0	800	16	0.5	62.8	66.1	72.7
10167649	10.0	1000	20	0.5	50.3	52.9	58.2
10167650	12.0	1200	24	0.5	41.9	44.1	48.5

* This mat size is not delivered with hidden splice

MILLIMAT™ – 150 W/m²

Nexans Code No.	Mat Area	Output	Mat Length	Mat Width	Element Resistance		
	(m ²)	(W)	(m)	(m)	Min: (-5%)	Nominal	Max: (+10%)
10143308*	1.0	150	2	0,5	335.0	352.7	387.9
10143309*	1.5	225	3	0,5	223.4	235.1	258.9
10167651	2.0	300	4	0.5	167.5	176.3	194.0
10167652	2.5	375	5	0.5	134.0	141.1	155.2
10167653	3.0	450	6	0.5	111.7	117.6	129.3
10167654	3.5	525	7	0.5	95.7	100.8	110.8
10167655	4.0	600	8	0.5	83.8	88.2	97.0
10167658	5.0	750	10	0.5	67.0	70.5	77.6
10167659	6.0	900	12	0.5	55.8	58.8	64.7
10167660	7.0	1050	14	0.5	47.9	50.4	55.4
10167661	8.0	1200	16	0.5	41.9	44.1	48.5

* This mat size is not delivered with hidden splice

The mats with hidden splice will be introduced throughout the range over a period of time.

MILLITEMP™

Nexans code no.	Product name
10175393	Thermostat MILLITEMP digital CDRF-003 EN



Global expert in cables and cabling system

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