

## Electric floor heating system

### PRODUCT OVERVIEW



Nuheat Mesh is an electric floor heating system for installation under the following surfaces:

- Ceramic or porcelain tile
- Granite
- Marble
- Natural stone
- Laminate/Engineered wood floors

The Nuheat Mesh floor heating system provides comfort heating in bathrooms, showers, kitchens, entryways and other living areas. Mesh is compatible with all standard subflooring materials and its low 3/16 in profile make it ideal for renovation projects.

The Nuheat Mesh floor heating system consists of a self-adhesive mesh which allows installers to stick the heating system onto the subfloor during the layout process. The heating cable is attached to the self-adhesive mesh layer using three mesh bands. The mesh bands help keep the heating cable spacing consistent while allowing easy removal of the heating cable during installation in hard-to-reach areas.

The PVC coated heating cable emit no measurable electromagnetic fields due to its twisted pair design and features a thin mechanical splice and a thin, flexible 10 ft long cold lead which is easy to embed in the subfloor and route to the thermostat location.

The floor heating mats are available in 120 V and in 13 different sizes ranging from 12 ft<sup>2</sup> to 120 ft<sup>2</sup>.

#### Kit Contents

- 1 Nuheat Mesh floor heating system
- 1 Installation instruction manual



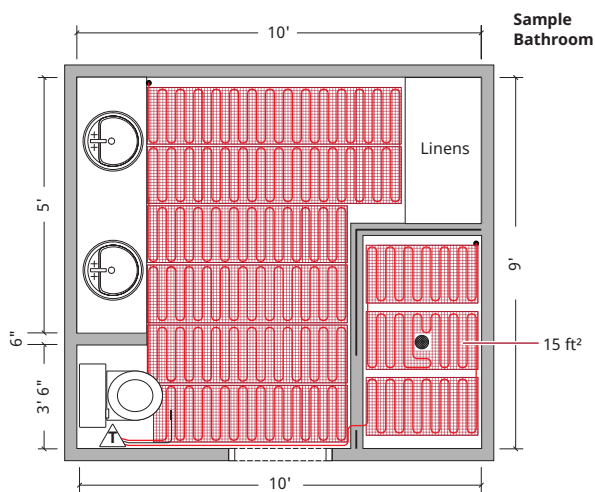
## APPROVALS



## SPECIFICATIONS

Operating voltage	120 V
Power output	12 W/ft <sup>2</sup>
Minimum bending radius	0.5 in
Minimum cable spacing	3 in
Maximum ambient temperature	194°F (90°C)
Minimum installation temperature	50°F (10°C)
Heating cable	2-wire, grounded, twisted pair with PVC outer jacket
Cold lead	2-wire, 16-18 AWG plus ground braid; 10 ft length

## ORDERING DETAILS



Select the Mesh kit that is no larger than the heated area. The heated area is the area of the floor that does not include permanent fixtures such as cabinets, toilets, sinks or tubs. The selected kit can be configured on the jobsite to fit the shape of the area to be heated.

For example:

If your bathroom is 9 ft x 10 ft	=	90 ft <sup>2</sup>
minus the cabinet area	-	10 ft <sup>2</sup>
minus the toilet space	-	6 ft <sup>2</sup>
minus the linen closet	-	8 ft <sup>2</sup>
minus the shower area	-	15 ft <sup>2</sup> *
Total area to be heated	=	51 ft <sup>2</sup>

**Solution:**

Choose the N1M050 - 50 ft<sup>2</sup>

\*If the shower area is to be heated, select a N1M015 - 15 ft<sup>2</sup>

Catalog number	Coverage (ft²) *	Dimensions	Watts	Amps	Resistance
<b>120 V nVent Nuheat Mesh</b>					
N1M012	12	20 in x 8 ft	139	1.2	103
N1M015	15	20 in x 9 ft	170	1.4	85
N1M025	25	20 in x 15 ft	300	2.5	48
N1M030	30	20 in x 19 ft	344	2.9	42
N1M040	40	20 in x 23 ft	442	3.7	33
N1M050	50	20 in x 29 ft	563	4.7	26
N1M060	60	20 in x 36 ft	720	6.0	20
N1M070	70	20 in x 41 ft	809	6.7	18
N1M080	80	20 in x 49 ft	947	7.9	15
N1M085	85	20 in x 52 ft	1022	8.5	14
N1M095	95	20 in x 58 ft	1161	9.7	12
N1M110	110	20 in x 65 ft	1299	10.8	11
N1M120	120	20 in x 73 ft	1461	12.2	10

\* Square foot coverage based on square room with 2" unheated border.

## ACCESSORIES

	Part #	Description
Conductor Thermostat	2000005250	Wifi and Bluetooth-enabled floor heating thermostat with touch-sensitive, vanishing display. Control via app & smart home devices, including Apple Home.
Signature Thermostat	AC0055	Wifi-enabled, programmable floor heating thermostat with full-color touchscreen display. Control via app & smart home devices.
Home Thermostat	AC0056	Programmable floor heating thermostat with full-color touchscreen display.
Element Thermostat	AC0057	Non-programmable floor heating thermostat
Install Pro Alarm	AC0200	Electric fault indicator for floor heating installation

## North America

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