

nVent NUHEAT Mesh

CONNECT AND PROTECT

Electric floor heating system

PRODUCT OVERVIEW



nVent 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 nVent 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 nVent 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 ft² to 120 ft².

KIT CONTENTS

- 1 nVent NUHEAT Mesh floor heating system
- 1 Installation instruction manual

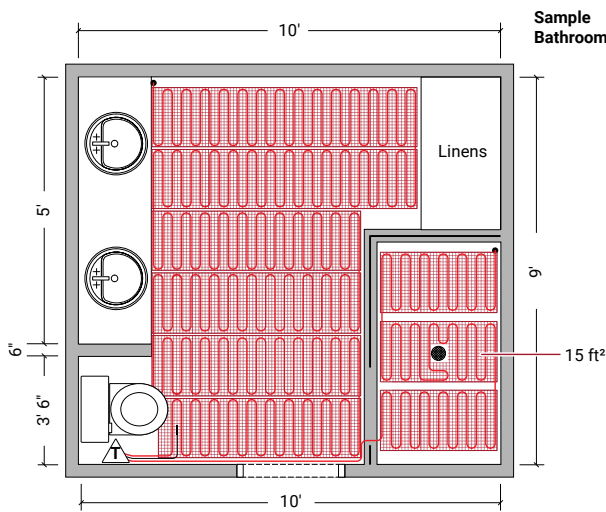
APPROVALS



SPECIFICATIONS

Operating voltage	120 V
Power output	12 W/ft ²
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 ²
minus the cabinet area	-	10 ft ²
minus the toilet space	-	6 ft ²
minus the linen closet	-	8 ft ²
minus the shower area	-	15 ft ² *
Total area to be heated	=	51 ft ²

Solution:

Choose the N1M050 - 50 ft²

*If the shower area is to be heated, select a N1M015

- 15 ft²

Catalog number	Coverage (ft ²) *	Dimensions	Watts	Amps	Resistance
120 V nVent NUHEAT Mesh					
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

	Catalog number	Description
Install Pro Alarm	AC0200	nVent NUHEAT Install Pro Alarm (AC0200) is an electrical fault indicator that simultaneously monitors the hot, neutral and ground wires during installation of any line voltage floor heating system. If a wire is damaged during installation, the Install Pro Alarm will sound an alert, prompting the installer to stop and correct the problem before continuing.
Heating Wire Repair Kit	AC0040	The Cable Repair Kit contains all the materials needed to repair the nVent NUHEAT Cable or Mesh if it has been damaged during installation. The kit includes easy-to-follow instructions.

North America

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