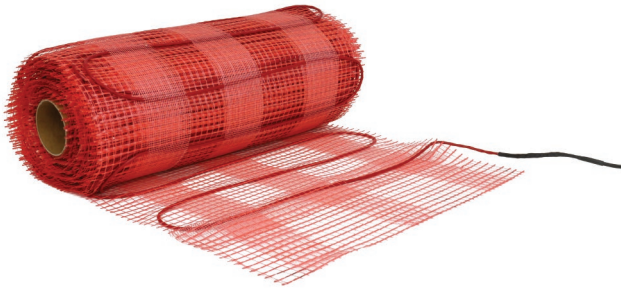


# Nuheat MESH

## 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. Nuheat Mesh's compatibility with all standard subflooring materials and its low 3/16 inch (4.76 mm) 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 10ft long cold lead which is easy to embed in the subfloor and route to the thermostat location.

The floor heating mats are available in 120V, 208-240V and in thirty-two (32) different sizes ranging from 12sqft to 240sqft in a single kit.

### KIT CONTENTS

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

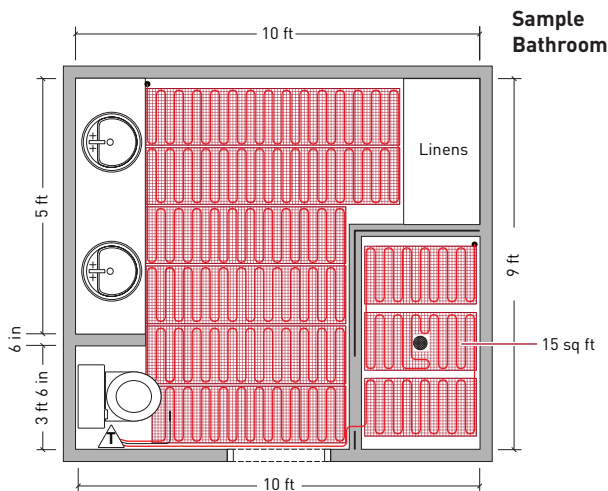
**APPROVALS**



**SPECIFICATIONS**

Operating voltage	120 V, 208 V, and 240 V
Power output	12 watts per square foot (9 watts per square foot @ 208V)
Minimum bending radius	0.5 in (12mm)
Minimum cable spacing	3 in (80 mm)
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; 10ft (3m) length

**ORDERING DETAILS**



Select the Nuheat 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 sq ft
minus the cabinet area	-	10 sq ft
minus the toilet space	-	6 sq ft
minus the linen closet	-	8 sq ft
minus the shower area	-	15 sq ft*
<b>Total area to be heated</b>	<b>=</b>	<b>51 sq ft</b>

**Solution:**

Choose the N1M050 - 50sqft for 120V or N2M045 - 45sqft for 240V.

\* If the shower area is to be heated, select a N1M015 - 15sqft for 120V or N2M015 - 15sqft for 240V.

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

<b>240 V Nuheat Mesh</b>					
N2M015	15	20" x 9 ft	165	0.7	349
N2M020	20	20" x 13 ft	224	0.9	258
N2M025	25	20" x 16 ft	302	1.3	191
N2M035	35	20" x 21 ft	403	1.7	143
N2M045	45	20" x 28 ft	523	2.2	110
N2M055	55	20" x 32 ft	632	2.6	91
N2M065	65	20" x 39 ft	742	3.1	78
N2M070	70	20" x 43 ft	842	3.5	68
N2M085	85	20" x 52 ft	1020	4.3	57
N2M090	90	20" x 55 ft	1102	4.6	52
N2M100	100	20" x 61 ft	1211	5.0	48
N2M120	120	20" x 73 ft	1427	5.9	40
N2M135	135	20" x 82 ft	1621	6.8	36
N2M145	145	20" x 87 ft	1704	7.1	34
N2M160	160	20" x 97 ft	1914	8.0	30
N2M170	170	20" x 102 ft	2054	8.6	28
N2M190	190	20" x 117 ft	2314	9.6	25
N2M215	215	20" x 131 ft	2589	10.8	22
N2M240	240	20" x 147 ft	2905	12.1	20

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

**ACCESSORIES**

	Catalog number	Description
<b>Electric Fault Indicator</b>	AC0100	The Electric Fault Indicator is used to verify the continuity of the heating cable and the integrity of its outer jacket during the installation process. The device connects to the cold leads of the cable and if the heating cable is damaged, the alarm on the monitor will sound. The monitor can also be re-used for subsequent installations and to help troubleshoot any problems that may arise.
<b>Heating Wire Repair Kit</b>	AC0014	The Heating Wire Repair Kit is for repairing Nuheat Mesh heating cable that has been damaged during installation.



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