

NUHEAT MESH



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. Nuheat Mesh's compatibility 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, 208 V, 240 V and in thirty-two (32) different sizes ranging from 12 ft² to 240 ft² in a single kit.

KIT CONTENTS

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



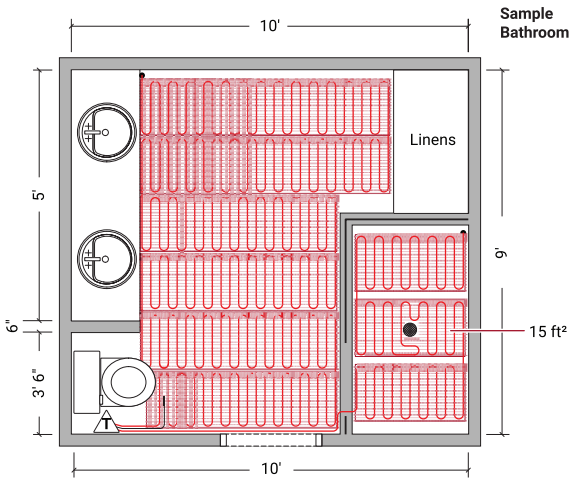
APPROVALS



SPECIFICATIONS

Operating voltage	120 V, 208 V, and 240 V
Power output	12 W/ft ² (9 W/ft ² @ 208 V)
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



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 for 120 V or
N2M045 - 45 ft² for 240 V.

* If the shower area is to be heated, select a N1M015
- 15 ft² for 120 V or N2M015 - 15 ft² for 240 V.

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.

Catalog number	Coverage (ft²)*	Dimensions	Watts	Amps	Resistance
120 V 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
240 V Nuheat Mesh					
N2M015	15	20 in x 9 ft	165	0.7	349
N2M020	20	20 in x 13 ft	224	0.9	258
N2M025	25	20 in x 16 ft	302	1.3	191
N2M035	35	20 in x 21 ft	403	1.7	143
N2M045	45	20 in x 28 ft	523	2.2	110
N2M055	55	20 in x 32 ft	632	2.6	91
N2M065	65	20 in x 39 ft	742	3.1	78
N2M070	70	20 in x 43 ft	842	3.5	68
N2M085	85	20 in x 52 ft	1020	4.3	57
N2M090	90	20 in x 55 ft	1102	4.6	52
N2M100	100	20 in x 61 ft	1211	5.0	48
N2M120	120	20 in x 73 ft	1427	5.9	40
N2M135	135	20 in x 82 ft	1621	6.8	36
N2M145	145	20 in x 87 ft	1704	7.1	34
N2M160	160	20 in x 97 ft	1914	8.0	30
N2M170	170	20 in x 102 ft	2054	8.6	28
N2M190	190	20 in x 117 ft	2314	9.6	25
N2M215	215	20 in x 131 ft	2589	10.8	22
N2M240	240	20 in x 147 ft	2905	12.1	20

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

ACCESSORIES

	Catalog number	Description
Electric Fault Indicator	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.
Heating Wire Repair Kit	AC0014	The Heating Wire Repair Kit is for repairing Nuheat Mesh heating cable that has been damaged during installation.

North America

Tel: 1.800.778.9276

Fax: 1.604.529.4404

res.customercare@nvent.com



nVent.com/NUHEAT

Our powerful portfolio of brands:

CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER

©2018 nVent. All nVent marks and logos are owned or licensed by nVent Services GmbH or its affiliates. All other trademarks are the property of their respective owners. nVent reserves the right to change specifications without notice.

Nuheat-DS-H59982-MeshFloorHeatingSystem-EN 18/08