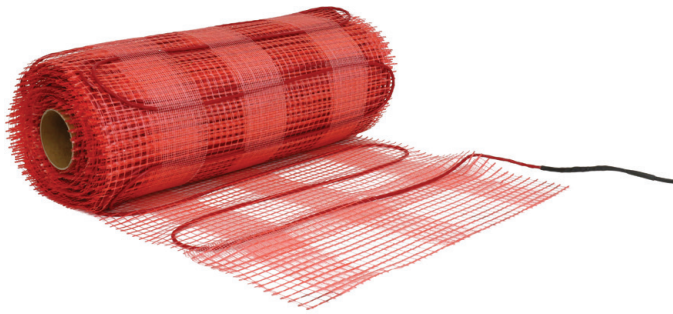


FLOOR HEATING SYSTEM



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 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 120 V, 208-240 V and in thirty-two (32) different sizes ranging from 12 sq ft to 240 sq ft in a single kit.

KIT CONTENTS

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



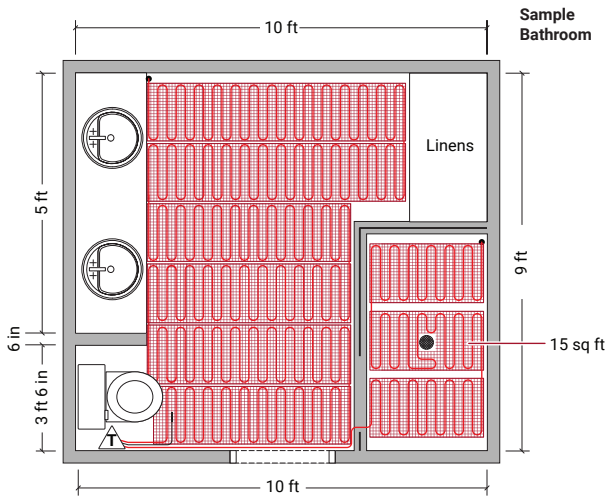
APPROVALS



SPECIFICATIONS

| | |
|----------------------------------|--|
| Operating voltage | 120 V, 208 V, and 240 V |
| Power output | 12 watts per square foot (9 watts per square foot @ 208 V) |
| Minimum bending radius | 0.5 in (12 mm) |
| 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; 10 ft (3 m) 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* |
| Total area to be heated | = | 51 sq ft |

Solution:

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

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

| Catalog number | Sq Ft Coverage* | Dimensions | Watts | Amps | Resistance |
|--------------------------|-----------------|--------------|-------|------|------------|
| 120 V NUHEAT Mesh | | | | | |
| 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 |
| 240 V NUHEAT Mesh | | | | | |
| 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 |
|---------------------------------|----------------|---|
| 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. |

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