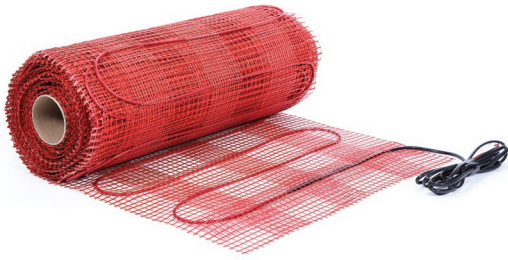


Mesh

THE SELF-ADHESIVE ELECTRIC FLOOR HEATING SOLUTION



FAST FACTS & ELECTRICAL DETAILS:

- Zero EMF cable design
- 32 kit sizes; largest 120 V covers 120 ft² and largest 240 V covers 240 ft²
- Thin, cold lead and connection joint

| | |
|---|--|
| Material | Two single conductor Tefzel-coated resistance wires covered by a tin-plated copper braid and then coated with a durable copolymer (PVC) outer jacket. Heating cable is attached to a self-adhesive fiberglass mesh material. |
| Operating Voltage | 120 V, and 240 V |
| Power Output | 12 watts per square foot |
| Maximum Continuous Exposure Temperature | 194°F (90°C) |
| Heating Cable | 2-wire, grounded, twisted air with PVC outer jacket |
| Cold Lead | 2-wire, 18 AWG plus ground braid layer; 10 ft (3 m) length |

BENEFITS:

On-site flexibility. Mesh is adjusted on-site to provide heat coverage where it is desired. Installers only need to know the approximate square footage of the area(s) that need to be heated.

Easy to layout. Mesh comes in a self-adhesive roll which is pressed onto the subfloor and adjusted on-site to provide heat coverage where it is desired.

Comprehensive selection of sizes to choose from. Mesh is available in 32 sizes in both 120 & 240 V which allows installers to choose the perfect sized kit for the area they wish to heat.

Available immediately. Find a local distributor near you at <http://www.nuheat.com/where-to-buy>

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HOW TO INSTALL:

Step 1: Roll Mesh onto the subfloor with the wire side down. Start the Mesh installation from one corner of the room.

Step 2: Lay out and secure Mesh onto subfloor. To make a turn, cut the Mesh as required (be careful not to cut/damage the heating wire). Separate heating wire from Mesh to maintain heating coverage in small, angled, or difficult areas (if necessary).


Step 3: Embed Mesh in mortar (self-leveling compound or latex-modified thinset).

SELECT MESH KIT FOR YOUR PROJECT

| CATALOG NUMBER | FT ² COVERAGE* | DIMENSIONS | WATTS | AMPS | RESISTANCE |
|-------------------|---------------------------|----------------|-------|------|------------|
| 120 V 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 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 in unheated border.

Accessories

| | PART NUMBER | DESCRIPTION |
|---|---|---|
| Mat Sense Pro  | AC0100 | The Mat Sense Pro is an electrical fault indicator that monitors hot, neutral and ground wires simultaneously during Mat or Cable installation. Mat Sense Pro produces an audible alarm if the heating wire is damaged during installation. |
| Thermostat Probe | AC0008 – 15 ft lead wire | The Thermostat Probe is installed under the flooring surface and connects to nVent NUHEAT thermostats. It is included with all nVent NUHEAT thermostats and provides a temperature reading of the floor. |
| Repair Kits – Mat & Cable | AC0014 – Mat Repair Kit: AC0016 – Lead Wire Repair Kit for Mats 120 V AC0017 – Lead Wire Repair Kit for Mats 240 V AC0040 – Cable Repair Kit | The Mat Repair Kit and Cable Repair Kit contain all the materials needed to fix Mats or Cable if they have been damaged during installation. |
| Mechanical Relay | AC0006 – Relay 120 V input & load relay 25 Amps AC0007 – Relay 240 V input & load relay 25 Amps | Relays are used to control multiple circuits with a single thermostat. They are typically used in large installations where the total amperage of the system exceeds the 15A limit of nVent NUHEAT thermostats. |
| Extra Cable Guides for Cable System – 12pc | AC0038 | Extra cable guides for the nVent NUHEAT Cable floor heating system. |
| Waterproofing Seam Tape | AC0107 – 6 in x 16 ft AC0108 – 6 in x 98 ft | Waterproof seam tape for nVent NUHEAT Membrane installations where waterproofing is necessary. |