

# QuickNet Floor Heating Mat



nVent RAYCHEM QuickNet is a electrical floor heating mat with 2 power output variants (90 W/m<sup>2</sup> and 160 W/m<sup>2</sup>) and available in kits with and without thermostat, ideal for renovation and suitable for new build. The product is self-adhesive and particularly suited for use under ceramic tiles or natural stone but also under parquet, engineered wood or vinyl floors, available in 1 m<sup>2</sup> to 12 m<sup>2</sup> sizes.

## FEATURES

Easy installation: 3.5 mm thick, flexible, self adhesive, pre-terminated with power cable, simply roll out the mat, no need for return cable, packaged in ready to use boxes, installed directly in tile/natural stone adhesive

Safe to install on timber subfloors with 90W per m<sup>2</sup>

Available in EcoDesign compatible kits including the energy efficient and advanced SENZ WIFI touchscreen thermostat that can be controlled through the SENZ WIFI app or through voice control using Alexa or Google Assistant compatible smartspeakers.

Fast heat up time with 160W per m<sup>2</sup>

Safe and efficient operation

Reliable during long life: 12 to 20 year total care warranty available, no maintenance required

## SPECIFICATIONS

|                                      |                    |
|--------------------------------------|--------------------|
| <b>Cold Lead Length:</b>             | 2.5 m              |
| <b>Outer Diameter:</b>               | 3.5 mm             |
| <b>Min Installation Temperature:</b> | 5 °C               |
| <b>Nominal Voltage:</b>              | 230 V              |
| <b>Color:</b>                        | Blue               |
| <b>Heating Cable Technology:</b>     | Constant Wattage   |
| <b>Ground Path Type:</b>             | Foil and Drainwire |
| <b>Outer Jacket Material:</b>        | LSZH               |

Table 1/2

| Catalog Number | Item Name | Nominal Power Output | Power | Resistance Range | Width | Length |
|----------------|-----------|----------------------|-------|------------------|-------|--------|
|----------------|-----------|----------------------|-------|------------------|-------|--------|

|            |                                 |                      |        |                 |        |      |
|------------|---------------------------------|----------------------|--------|-----------------|--------|------|
| SZ18300261 | R-QN-P-<br>1.0M2/SENZ-<br>WIFI  | 160 W/m <sup>2</sup> | 160 W  | 306.8 – 355.2 Ω | 500 mm | 2 m  |
| SZ18300262 | R-QN-P-<br>1.5M2/SENZ-<br>WIFI  | 160 W/m <sup>2</sup> | 240 W  | 199.9 – 231.5 Ω | 500 mm | 3 m  |
| SZ18300263 | R-QN-P-<br>2.0M2/SENZ-<br>WIFI  | 160 W/m <sup>2</sup> | 320 W  | 151.9 – 175.9 Ω | 500 mm | 4 m  |
| SZ18300264 | R-QN-P-<br>2.5M2/SENZ-<br>WIFI  | 160 W/m <sup>2</sup> | 400 W  | 121.8 – 141.1 Ω | 500 mm | 5 m  |
| SZ18300265 | R-QN-P-<br>3.0M2/SENZ-<br>WIFI  | 160 W/m <sup>2</sup> | 480 W  | 103.1 – 119.4 Ω | 500 mm | 6 m  |
| SZ18300266 | R-QN-P-<br>3.5M2/SENZ-<br>WIFI  | 160 W/m <sup>2</sup> | 560 W  | 87.3 – 101 Ω    | 500 mm | 7 m  |
| SZ18300267 | R-QN-P-<br>4.0M2/SENZ-<br>WIFI  | 160 W/m <sup>2</sup> | 640 W  | 77.6 – 89.9 Ω   | 500 mm | 8 m  |
| SZ18300268 | R-QN-P-<br>4.5M2/SENZ-<br>WIFI  | 160 W/m <sup>2</sup> | 720 W  | 68.3 – 79.1 Ω   | 500 mm | 9 m  |
| SZ18300269 | R-QN-P-<br>5.0M2/SENZ-<br>WIFI  | 160 W/m <sup>2</sup> | 800 W  | 61.3 – 71 Ω     | 500 mm | 10 m |
| SZ18300270 | R-QN-P-<br>6.0M2/SENZ-<br>WIFI  | 160 W/m <sup>2</sup> | 960 W  | 53.6 – 62.1 Ω   | 500 mm | 12 m |
| SZ18300271 | R-QN-P-<br>7.0M2/SENZ-<br>WIFI  | 160 W/m <sup>2</sup> | 1120 W | 43.4 – 50.3 Ω   | 500 mm | 14 m |
| SZ18300272 | R-QN-P-<br>8.0M2/SENZ-<br>WIFI  | 160 W/m <sup>2</sup> | 1280 W | 38.5 – 44.6 Ω   | 500 mm | 16 m |
| SZ18300273 | R-QN-P-<br>9.0M2/SENZ-<br>WIFI  | 160 W/m <sup>2</sup> | 1440 W | 34.5 – 39.9 Ω   | 500 mm | 18 m |
| SZ18300274 | R-QN-P-<br>10.0M2/SENZ-<br>WIFI | 160 W/m <sup>2</sup> | 1600 W | 31 – 36 Ω       | 500 mm | 20 m |
| SZ18300279 | R-QN-N-<br>1.0M2/T0             | 90 W/m <sup>2</sup>  | 90 W   | 531.1 – 614.9 Ω | 500 mm | 2 m  |

|            |                  |                      |        |                 |        |      |
|------------|------------------|----------------------|--------|-----------------|--------|------|
| SZ18300280 | R-QN-N-1.5M2/T0  | 90 W/m <sup>2</sup>  | 135 W  | 364.2 – 421.7 Ω | 500 mm | 3 m  |
| SZ18300281 | R-QN-N-2.0M2/T0  | 90 W/m <sup>2</sup>  | 180 W  | 277.2 – 321 Ω   | 500 mm | 4 m  |
| SZ18300282 | R-QN-N-2.5M2/T0  | 90 W/m <sup>2</sup>  | 225 W  | 223.2 – 258.5 Ω | 500 mm | 5 m  |
| SZ18300283 | R-QN-N-3.0M2/T0  | 90 W/m <sup>2</sup>  | 275 W  | 183.7 – 212.7 Ω | 500 mm | 6 m  |
| SZ18300284 | R-QN-N-3.5M2/T0  | 90 W/m <sup>2</sup>  | 320 W  | 159.5 – 184.7 Ω | 500 mm | 7 m  |
| SZ18300285 | R-QN-N-4.0M2/T0  | 90 W/m <sup>2</sup>  | 360 W  | 140.3 – 162.4 Ω | 500 mm | 8 m  |
| SZ18300286 | R-QN-N-4.5M2/T0  | 90 W/m <sup>2</sup>  | 405 W  | 124.6 – 144.2 Ω | 500 mm | 9 m  |
| SZ18300287 | R-QN-N-5.0M2/T0  | 90 W/m <sup>2</sup>  | 450 W  | 112 – 129.7 Ω   | 500 mm | 10 m |
| SZ18300288 | R-QN-N-6.0M2/T0  | 90 W/m <sup>2</sup>  | 545 W  | 93.7 – 108.5 Ω  | 500 mm | 12 m |
| SZ18300289 | R-QN-N-7.0M2/T0  | 90 W/m <sup>2</sup>  | 630 W  | 81 – 93.8 Ω     | 500 mm | 14 m |
| SZ18300290 | R-QN-N-8.0M2/T0  | 90 W/m <sup>2</sup>  | 725 W  | 70.3 – 81.5 Ω   | 500 mm | 16 m |
| SZ18300291 | R-QN-N-9.0M2/T0  | 90 W/m <sup>2</sup>  | 800 W  | 63.8 – 73.9 Ω   | 500 mm | 18 m |
| SZ18300292 | R-QN-N-10.0M2/T0 | 90 W/m <sup>2</sup>  | 915 W  | 55.9 – 64.7 Ω   | 500 mm | 20 m |
| SZ18300293 | R-QN-N-12.0M2/T0 | 90 W/m <sup>2</sup>  | 1100 W | 46.5 – 53.8 Ω   | 500 mm | 24 m |
| SZ18300294 | R-QN-P-1.0M2/T0  | 160 W/m <sup>2</sup> | 160 W  | 306.8 – 355.2 Ω | 500 mm | 2 m  |
| SZ18300295 | R-QN-P-1.5M2/T0  | 160 W/m <sup>2</sup> | 240 W  | 199.9 – 231.5 Ω | 500 mm | 3 m  |
| SZ18300296 | R-QN-P-2.0M2/T0  | 160 W/m <sup>2</sup> | 320 W  | 151.9 – 175.9 Ω | 500 mm | 4 m  |
| SZ18300297 | R-QN-P-2.5M2/T0  | 160 W/m <sup>2</sup> | 400 W  | 121.8 – 141.1 Ω | 500 mm | 5 m  |
| SZ18300298 | R-QN-P-3.0M2/T0  | 160 W/m <sup>2</sup> | 480 W  | 103.1 – 119.4 Ω | 500 mm | 6 m  |

|            |                        |                      |        |                 |        |      |
|------------|------------------------|----------------------|--------|-----------------|--------|------|
| SZ18300299 | R-QN-P-3.5M2/T0        | 160 W/m <sup>2</sup> | 560 W  | 87.3 – 101 Ω    | 500 mm | 7 m  |
| SZ18300300 | R-QN-P-4.0M2/T0        | 160 W/m <sup>2</sup> | 640 W  | 77.6 – 89.9 Ω   | 500 mm | 8 m  |
| SZ18300301 | R-QN-P-4.5M2/T0        | 160 W/m <sup>2</sup> | 720 W  | 68.3 – 79.1 Ω   | 500 mm | 9 m  |
| SZ18300302 | R-QN-P-5.0M2/T0        | 160 W/m <sup>2</sup> | 800 W  | 61.3 – 71 Ω     | 500 mm | 10 m |
| SZ18300303 | R-QN-P-6.0M2/T0        | 160 W/m <sup>2</sup> | 960 W  | 53.6 – 62.1 Ω   | 500 mm | 12 m |
| SZ18300304 | R-QN-P-7.0M2/T0        | 160 W/m <sup>2</sup> | 1120 W | 43.4 – 50.3 Ω   | 500 mm | 14 m |
| SZ18300305 | R-QN-P-8.0M2/T0        | 160 W/m <sup>2</sup> | 1280 W | 38.5 – 44.6 Ω   | 500 mm | 16 m |
| SZ18300306 | R-QN-P-9.0M2/T0        | 160 W/m <sup>2</sup> | 1440 W | 34.5 – 39.9 Ω   | 500 mm | 18 m |
| SZ18300307 | R-QN-P-10.0M2/T0       | 160 W/m <sup>2</sup> | 1600 W | 31 – 36 Ω       | 500 mm | 20 m |
| SZ18300429 | R-QN-N-1.0M2/SENZ-WIFI | 90 W/m <sup>2</sup>  | 90 W   | 531.1 – 614.9 Ω | 500 mm | 2 m  |
| SZ18300430 | R-QN-N-1.5M2/SENZ-WIFI | 90 W/m <sup>2</sup>  | 135 W  | 364.2 – 421.7 Ω | 500 mm | 3 m  |
| SZ18300431 | R-QN-N-2.0M2/SENZ-WIFI | 90 W/m <sup>2</sup>  | 180 W  | 277.2 – 321 Ω   | 500 mm | 4 m  |
| SZ18300432 | R-QN-N-2.5M2/SENZ-WIFI | 90 W/m <sup>2</sup>  | 225 W  | 223.2 – 258.5 Ω | 500 mm | 5 m  |
| SZ18300433 | R-QN-N-3.0M2/SENZ-WIFI | 90 W/m <sup>2</sup>  | 275 W  | 183.7 – 212.7 Ω | 500 mm | 6 m  |
| SZ18300434 | R-QN-N-3.5M2/SENZ-WIFI | 90 W/m <sup>2</sup>  | 320 W  | 159.5 – 184.7 Ω | 500 mm | 7 m  |
| SZ18300435 | R-QN-N-4.0M2/SENZ-WIFI | 90 W/m <sup>2</sup>  | 360 W  | 140.3 – 162.4 Ω | 500 mm | 8 m  |
| SZ18300436 | R-QN-N-4.5M2/SENZ-WIFI | 90 W/m <sup>2</sup>  | 405 W  | 124.6 – 144.2 Ω | 500 mm | 9 m  |

|            |                         |                     |        |                |        |      |
|------------|-------------------------|---------------------|--------|----------------|--------|------|
| SZ18300437 | R-QN-N-5.0M2/SENZ-WIFI  | 90 W/m <sup>2</sup> | 450 W  | 112 – 129.7 Ω  | 500 mm | 10 m |
| SZ18300438 | R-QN-N-6.0M2/SENZ-WIFI  | 90 W/m <sup>2</sup> | 545 W  | 93.7 – 108.5 Ω | 500 mm | 12 m |
| SZ18300439 | R-QN-N-7.0M2/SENZ-WIFI  | 90 W/m <sup>2</sup> | 630 W  | 81 – 93.8 Ω    | 500 mm | 14 m |
| SZ18300440 | R-QN-N-8.0M2/SENZ-WIFI  | 90 W/m <sup>2</sup> | 725 W  | 70.3 – 81.5 Ω  | 500 mm | 16 m |
| SZ18300441 | R-QN-N-9.0M2/SENZ-WIFI  | 90 W/m <sup>2</sup> | 800 W  | 63.8 – 73.9 Ω  | 500 mm | 18 m |
| SZ18300442 | R-QN-N-10.0M2/SENZ-WIFI | 90 W/m <sup>2</sup> | 915 W  | 55.9 – 64.7 Ω  | 500 mm | 20 m |
| SZ18300443 | R-QN-N-12.0M2/SENZ-WIFI | 90 W/m <sup>2</sup> | 1100 W | 46.5 – 53.8 Ω  | 500 mm | 24 m |

Table 2/2

| Catalog Number | Item Name              | Total Surface      | Thermostat Included |
|----------------|------------------------|--------------------|---------------------|
| SZ18300261     | R-QN-P-1.0M2/SENZ-WIFI | 1 m <sup>2</sup>   | SENZ-WIFI           |
| SZ18300262     | R-QN-P-1.5M2/SENZ-WIFI | 1.5 m <sup>2</sup> | SENZ-WIFI           |
| SZ18300263     | R-QN-P-2.0M2/SENZ-WIFI | 2 m <sup>2</sup>   | SENZ-WIFI           |
| SZ18300264     | R-QN-P-2.5M2/SENZ-WIFI | 2.5 m <sup>2</sup> | SENZ-WIFI           |
| SZ18300265     | R-QN-P-3.0M2/SENZ-WIFI | 3 m <sup>2</sup>   | SENZ-WIFI           |
| SZ18300266     | R-QN-P-3.5M2/SENZ-WIFI | 3.5 m <sup>2</sup> | SENZ-WIFI           |
| SZ18300267     | R-QN-P-4.0M2/SENZ-WIFI | 4 m <sup>2</sup>   | SENZ-WIFI           |
| SZ18300268     | R-QN-P-4.5M2/SENZ-WIFI | 4.5 m <sup>2</sup> | SENZ-WIFI           |
| SZ18300269     | R-QN-P-5.0M2/SENZ-WIFI | 5 m <sup>2</sup>   | SENZ-WIFI           |

| Catalog Number | Item Name               | Total Surface | Thermostat Included |
|----------------|-------------------------|---------------|---------------------|
| SZ18300270     | R-QN-P-6.0M2/SENZ-WIFI  | 6 m²          | SENZ-WIFI           |
| SZ18300271     | R-QN-P-7.0M2/SENZ-WIFI  | 7 m²          | SENZ-WIFI           |
| SZ18300272     | R-QN-P-8.0M2/SENZ-WIFI  | 8 m²          | SENZ-WIFI           |
| SZ18300273     | R-QN-P-9.0M2/SENZ-WIFI  | 9 m²          | SENZ-WIFI           |
| SZ18300274     | R-QN-P-10.0M2/SENZ-WIFI | 10 m²         | SENZ-WIFI           |
| SZ18300279     | R-QN-N-1.0M2/T0         | 1 m²          | No                  |
| SZ18300280     | R-QN-N-1.5M2/T0         | 1.5 m²        | No                  |
| SZ18300281     | R-QN-N-2.0M2/T0         | 2 m²          | No                  |
| SZ18300282     | R-QN-N-2.5M2/T0         | 2.5 m²        | No                  |
| SZ18300283     | R-QN-N-3.0M2/T0         | 3 m²          | No                  |
| SZ18300284     | R-QN-N-3.5M2/T0         | 3.5 m²        | No                  |
| SZ18300285     | R-QN-N-4.0M2/T0         | 4 m²          | No                  |
| SZ18300286     | R-QN-N-4.5M2/T0         | 4.5 m²        | No                  |
| SZ18300287     | R-QN-N-5.0M2/T0         | 5 m²          | No                  |
| SZ18300288     | R-QN-N-6.0M2/T0         | 6 m²          | No                  |
| SZ18300289     | R-QN-N-7.0M2/T0         | 7 m²          | No                  |
| SZ18300290     | R-QN-N-8.0M2/T0         | 8 m²          | No                  |
| SZ18300291     | R-QN-N-9.0M2/T0         | 9 m²          | No                  |

| Catalog Number | Item Name              | Total Surface      | Thermostat Included |
|----------------|------------------------|--------------------|---------------------|
| SZ18300292     | R-QN-N-10.0M2/T0       | 10 m <sup>2</sup>  | No                  |
| SZ18300293     | R-QN-N-12.0M2/T0       | 12 m <sup>2</sup>  | No                  |
| SZ18300294     | R-QN-P-1.0M2/T0        | 1 m <sup>2</sup>   | No                  |
| SZ18300295     | R-QN-P-1.5M2/T0        | 1.5 m <sup>2</sup> | No                  |
| SZ18300296     | R-QN-P-2.0M2/T0        | 2 m <sup>2</sup>   | No                  |
| SZ18300297     | R-QN-P-2.5M2/T0        | 2.5 m <sup>2</sup> | No                  |
| SZ18300298     | R-QN-P-3.0M2/T0        | 3 m <sup>2</sup>   | No                  |
| SZ18300299     | R-QN-P-3.5M2/T0        | 3.5 m <sup>2</sup> | No                  |
| SZ18300300     | R-QN-P-4.0M2/T0        | 4 m <sup>2</sup>   | No                  |
| SZ18300301     | R-QN-P-4.5M2/T0        | 4.5 m <sup>2</sup> | No                  |
| SZ18300302     | R-QN-P-5.0M2/T0        | 5 m <sup>2</sup>   | No                  |
| SZ18300303     | R-QN-P-6.0M2/T0        | 6 m <sup>2</sup>   | No                  |
| SZ18300304     | R-QN-P-7.0M2/T0        | 7 m <sup>2</sup>   | No                  |
| SZ18300305     | R-QN-P-8.0M2/T0        | 8 m <sup>2</sup>   | No                  |
| SZ18300306     | R-QN-P-9.0M2/T0        | 9 m <sup>2</sup>   | No                  |
| SZ18300307     | R-QN-P-10.0M2/T0       | 10 m <sup>2</sup>  | No                  |
| SZ18300429     | R-QN-N-1.0M2/SENZ-WIFI | 1 m <sup>2</sup>   | SENZ-WIFI           |
| SZ18300430     | R-QN-N-1.5M2/SENZ-WIFI | 1.5 m <sup>2</sup> | SENZ-WIFI           |

| Catalog Number | Item Name               | Total Surface      | Thermostat Included |
|----------------|-------------------------|--------------------|---------------------|
| SZ18300431     | R-QN-N-2.0M2/SENZ-WIFI  | 2 m <sup>2</sup>   | SENZ-WIFI           |
| SZ18300432     | R-QN-N-2.5M2/SENZ-WIFI  | 2.5 m <sup>2</sup> | SENZ-WIFI           |
| SZ18300433     | R-QN-N-3.0M2/SENZ-WIFI  | 3 m <sup>2</sup>   | SENZ-WIFI           |
| SZ18300434     | R-QN-N-3.5M2/SENZ-WIFI  | 3.5 m <sup>2</sup> | SENZ-WIFI           |
| SZ18300435     | R-QN-N-4.0M2/SENZ-WIFI  | 4 m <sup>2</sup>   | SENZ-WIFI           |
| SZ18300436     | R-QN-N-4.5M2/SENZ-WIFI  | 4.5 m <sup>2</sup> | SENZ-WIFI           |
| SZ18300437     | R-QN-N-5.0M2/SENZ-WIFI  | 5 m <sup>2</sup>   | SENZ-WIFI           |
| SZ18300438     | R-QN-N-6.0M2/SENZ-WIFI  | 6 m <sup>2</sup>   | SENZ-WIFI           |
| SZ18300439     | R-QN-N-7.0M2/SENZ-WIFI  | 7 m <sup>2</sup>   | SENZ-WIFI           |
| SZ18300440     | R-QN-N-8.0M2/SENZ-WIFI  | 8 m <sup>2</sup>   | SENZ-WIFI           |
| SZ18300441     | R-QN-N-9.0M2/SENZ-WIFI  | 9 m <sup>2</sup>   | SENZ-WIFI           |
| SZ18300442     | R-QN-N-10.0M2/SENZ-WIFI | 10 m <sup>2</sup>  | SENZ-WIFI           |
| SZ18300443     | R-QN-N-12.0M2/SENZ-WIFI | 12 m <sup>2</sup>  | SENZ-WIFI           |

## WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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