

QuickNet Floor Heating Mat



nVent RAYCHEM QuickNet is a electrical floor heating mat with 2 power output variants (90 W/m² and 160 W/m²) 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 m² to 12 m² 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 m²

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 m²

Safe and efficient operation

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

SPECIFICATIONS

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

Table 1/2

Catalog Number	Item Name	Nominal Power Output	Power	Resistance Range	Width	Length
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SZ18300302	R-QN-P-5.0M2/T0	160 W/m ²	800 W	61.3 – 71 Ω	500 mm	10 m
SZ18300303	R-QN-P-6.0M2/T0	160 W/m ²	960 W	53.6 – 62.1 Ω	500 mm	12 m
SZ18300304	R-QN-P-7.0M2/T0	160 W/m ²	1120 W	43.4 – 50.3 Ω	500 mm	14 m
SZ18300305	R-QN-P-8.0M2/T0	160 W/m ²	1280 W	38.5 – 44.6 Ω	500 mm	16 m
SZ18300306	R-QN-P-9.0M2/T0	160 W/m ²	1440 W	34.5 – 39.9 Ω	500 mm	18 m
SZ18300307	R-QN-P-10.0M2/T0	160 W/m ²	1600 W	31 – 36 Ω	500 mm	20 m
SZ18300429	R-QN-N-1.0M2/SENZ-WIFI	90 W/m ²	90 W	531.1 – 614.9 Ω	500 mm	2 m
SZ18300430	R-QN-N-1.5M2/SENZ-WIFI	90 W/m ²	135 W	364.2 – 421.7 Ω	500 mm	3 m
SZ18300431	R-QN-N-2.0M2/SENZ-WIFI	90 W/m ²	180 W	277.2 – 321 Ω	500 mm	4 m
SZ18300432	R-QN-N-2.5M2/SENZ-WIFI	90 W/m ²	225 W	223.2 – 258.5 Ω	500 mm	5 m
SZ18300433	R-QN-N-3.0M2/SENZ-WIFI	90 W/m ²	275 W	183.7 – 212.7 Ω	500 mm	6 m
SZ18300434	R-QN-N-3.5M2/SENZ-WIFI	90 W/m ²	320 W	159.5 – 184.7 Ω	500 mm	7 m
SZ18300435	R-QN-N-4.0M2/SENZ-WIFI	90 W/m ²	360 W	140.3 – 162.4 Ω	500 mm	8 m
SZ18300436	R-QN-N-4.5M2/SENZ-WIFI	90 W/m ²	405 W	124.6 – 144.2 Ω	500 mm	9 m
SZ18300437	R-QN-N-5.0M2/SENZ-WIFI	90 W/m ²	450 W	112 – 129.7 Ω	500 mm	10 m
SZ18300438	R-QN-N-6.0M2/SENZ-WIFI	90 W/m ²	545 W	93.7 – 108.5 Ω	500 mm	12 m

SZ18300439	R-QN-N- 7.0M2/SENZ- WIFI	90 W/m ²	630 W	81 – 93.8 Ω	500 mm	14 m
SZ18300440	R-QN-N- 8.0M2/SENZ- WIFI	90 W/m ²	725 W	70.3 – 81.5 Ω	500 mm	16 m
SZ18300441	R-QN-N- 9.0M2/SENZ- WIFI	90 W/m ²	800 W	63.8 – 73.9 Ω	500 mm	18 m
SZ18300442	R-QN-N- 10.0M2/SENZ- WIFI	90 W/m ²	915 W	55.9 – 64.7 Ω	500 mm	20 m
SZ18300443	R-QN-N- 12.0M2/SENZ- WIFI	90 W/m ²	1100 W	46.5 – 53.8 Ω	500 mm	24 m
SZ18300261	R-QN-P- 1.0M2/SENZ- WIFI	160 W/m ²	160 W	306.8 – 355.2 Ω	500 mm	2 m
SZ18300262	R-QN-P- 1.5M2/SENZ- WIFI	160 W/m ²	240 W	199.9 – 231.5 Ω	500 mm	3 m
SZ18300263	R-QN-P- 2.0M2/SENZ- WIFI	160 W/m ²	320 W	151.9 – 175.9 Ω	500 mm	4 m
SZ18300264	R-QN-P- 2.5M2/SENZ- WIFI	160 W/m ²	400 W	121.8 – 141.1 Ω	500 mm	5 m
SZ18300265	R-QN-P- 3.0M2/SENZ- WIFI	160 W/m ²	480 W	103.1 – 119.4 Ω	500 mm	6 m
SZ18300266	R-QN-P- 3.5M2/SENZ- WIFI	160 W/m ²	560 W	87.3 – 101 Ω	500 mm	7 m
SZ18300267	R-QN-P- 4.0M2/SENZ- WIFI	160 W/m ²	640 W	77.6 – 89.9 Ω	500 mm	8 m
SZ18300268	R-QN-P- 4.5M2/SENZ- WIFI	160 W/m ²	720 W	68.3 – 79.1 Ω	500 mm	9 m
SZ18300269	R-QN-P- 5.0M2/SENZ- WIFI	160 W/m ²	800 W	61.3 – 71 Ω	500 mm	10 m
SZ18300270	R-QN-P- 6.0M2/SENZ- WIFI	160 W/m ²	960 W	53.6 – 62.1 Ω	500 mm	12 m

SZ18300271	R-QN-P-7.0M2/SENZ-WIFI	160 W/m ²	1120 W	43.4 – 50.3 Ω	500 mm	14 m
SZ18300272	R-QN-P-8.0M2/SENZ-WIFI	160 W/m ²	1280 W	38.5 – 44.6 Ω	500 mm	16 m
SZ18300273	R-QN-P-9.0M2/SENZ-WIFI	160 W/m ²	1440 W	34.5 – 39.9 Ω	500 mm	18 m
SZ18300274	R-QN-P-10.0M2/SENZ-WIFI	160 W/m ²	1600 W	31 – 36 Ω	500 mm	20 m
SZ18300279	R-QN-N-1.0M2/T0	90 W/m ²	90 W	531.1 – 614.9 Ω	500 mm	2 m
SZ18300280	R-QN-N-1.5M2/T0	90 W/m ²	135 W	364.2 – 421.7 Ω	500 mm	3 m
SZ18300281	R-QN-N-2.0M2/T0	90 W/m ²	180 W	277.2 – 321 Ω	500 mm	4 m
SZ18300282	R-QN-N-2.5M2/T0	90 W/m ²	225 W	223.2 – 258.5 Ω	500 mm	5 m
SZ18300283	R-QN-N-3.0M2/T0	90 W/m ²	275 W	183.7 – 212.7 Ω	500 mm	6 m
SZ18300284	R-QN-N-3.5M2/T0	90 W/m ²	320 W	159.5 – 184.7 Ω	500 mm	7 m
SZ18300285	R-QN-N-4.0M2/T0	90 W/m ²	360 W	140.3 – 162.4 Ω	500 mm	8 m
SZ18300286	R-QN-N-4.5M2/T0	90 W/m ²	405 W	124.6 – 144.2 Ω	500 mm	9 m
SZ18300287	R-QN-N-5.0M2/T0	90 W/m ²	450 W	112 – 129.7 Ω	500 mm	10 m
SZ18300288	R-QN-N-6.0M2/T0	90 W/m ²	545 W	93.7 – 108.5 Ω	500 mm	12 m
SZ18300289	R-QN-N-7.0M2/T0	90 W/m ²	630 W	81 – 93.8 Ω	500 mm	14 m
SZ18300290	R-QN-N-8.0M2/T0	90 W/m ²	725 W	70.3 – 81.5 Ω	500 mm	16 m
SZ18300291	R-QN-N-9.0M2/T0	90 W/m ²	800 W	63.8 – 73.9 Ω	500 mm	18 m
SZ18300292	R-QN-N-10.0M2/T0	90 W/m ²	915 W	55.9 – 64.7 Ω	500 mm	20 m

SZ18300293	R-QN-N-12.0M2/T0	90 W/m ²	1100 W	46.5 – 53.8 Ω	500 mm	24 m
SZ18300294	R-QN-P-1.0M2/T0	160 W/m ²	160 W	306.8 – 355.2 Ω	500 mm	2 m
SZ18300295	R-QN-P-1.5M2/T0	160 W/m ²	240 W	199.9 – 231.5 Ω	500 mm	3 m
SZ18300296	R-QN-P-2.0M2/T0	160 W/m ²	320 W	151.9 – 175.9 Ω	500 mm	4 m
SZ18300297	R-QN-P-2.5M2/T0	160 W/m ²	400 W	121.8 – 141.1 Ω	500 mm	5 m
SZ18300298	R-QN-P-3.0M2/T0	160 W/m ²	480 W	103.1 – 119.4 Ω	500 mm	6 m
SZ18300299	R-QN-P-3.5M2/T0	160 W/m ²	560 W	87.3 – 101 Ω	500 mm	7 m
SZ18300300	R-QN-P-4.0M2/T0	160 W/m ²	640 W	77.6 – 89.9 Ω	500 mm	8 m
SZ18300301	R-QN-P-4.5M2/T0	160 W/m ²	720 W	68.3 – 79.1 Ω	500 mm	9 m

Table 2/2

Catalog Number	Item Name	Total Surface	Thermostat Included
SZ18300302	R-QN-P-5.0M2/T0	5 m ²	No
SZ18300303	R-QN-P-6.0M2/T0	6 m ²	No
SZ18300304	R-QN-P-7.0M2/T0	7 m ²	No
SZ18300305	R-QN-P-8.0M2/T0	8 m ²	No
SZ18300306	R-QN-P-9.0M2/T0	9 m ²	No
SZ18300307	R-QN-P-10.0M2/T0	10 m ²	No
SZ18300429	R-QN-N-1.0M2/SENZ-WIFI	1 m ²	SENZ-WIFI
SZ18300430	R-QN-N-1.5M2/SENZ-WIFI	1.5 m ²	SENZ-WIFI
SZ18300431	R-QN-N-2.0M2/SENZ-WIFI	2 m ²	SENZ-WIFI

Catalog Number	Item Name	Total Surface	Thermostat Included
SZ18300432	R-QN-N-2.5M2/SENZ-WIFI	2.5 m ²	SENZ-WIFI
SZ18300433	R-QN-N-3.0M2/SENZ-WIFI	3 m ²	SENZ-WIFI
SZ18300434	R-QN-N-3.5M2/SENZ-WIFI	3.5 m ²	SENZ-WIFI
SZ18300435	R-QN-N-4.0M2/SENZ-WIFI	4 m ²	SENZ-WIFI
SZ18300436	R-QN-N-4.5M2/SENZ-WIFI	4.5 m ²	SENZ-WIFI
SZ18300437	R-QN-N-5.0M2/SENZ-WIFI	5 m ²	SENZ-WIFI
SZ18300438	R-QN-N-6.0M2/SENZ-WIFI	6 m ²	SENZ-WIFI
SZ18300439	R-QN-N-7.0M2/SENZ-WIFI	7 m ²	SENZ-WIFI
SZ18300440	R-QN-N-8.0M2/SENZ-WIFI	8 m ²	SENZ-WIFI
SZ18300441	R-QN-N-9.0M2/SENZ-WIFI	9 m ²	SENZ-WIFI
SZ18300442	R-QN-N-10.0M2/SENZ-WIFI	10 m ²	SENZ-WIFI
SZ18300443	R-QN-N-12.0M2/SENZ-WIFI	12 m ²	SENZ-WIFI
SZ18300261	R-QN-P-1.0M2/SENZ-WIFI	1 m ²	SENZ-WIFI
SZ18300262	R-QN-P-1.5M2/SENZ-WIFI	1.5 m ²	SENZ-WIFI
SZ18300263	R-QN-P-2.0M2/SENZ-WIFI	2 m ²	SENZ-WIFI
SZ18300264	R-QN-P-2.5M2/SENZ-WIFI	2.5 m ²	SENZ-WIFI
SZ18300265	R-QN-P-3.0M2/SENZ-WIFI	3 m ²	SENZ-WIFI
SZ18300266	R-QN-P-3.5M2/SENZ-WIFI	3.5 m ²	SENZ-WIFI

Catalog Number	Item Name	Total Surface	Thermostat Included
SZ18300267	R-QN-P-4.0M2/SENZ-WIFI	4 m ²	SENZ-WIFI
SZ18300268	R-QN-P-4.5M2/SENZ-WIFI	4.5 m ²	SENZ-WIFI
SZ18300269	R-QN-P-5.0M2/SENZ-WIFI	5 m ²	SENZ-WIFI
SZ18300270	R-QN-P-6.0M2/SENZ-WIFI	6 m ²	SENZ-WIFI
SZ18300271	R-QN-P-7.0M2/SENZ-WIFI	7 m ²	SENZ-WIFI
SZ18300272	R-QN-P-8.0M2/SENZ-WIFI	8 m ²	SENZ-WIFI
SZ18300273	R-QN-P-9.0M2/SENZ-WIFI	9 m ²	SENZ-WIFI
SZ18300274	R-QN-P-10.0M2/SENZ-WIFI	10 m ²	SENZ-WIFI
SZ18300279	R-QN-N-1.0M2/T0	1 m ²	No
SZ18300280	R-QN-N-1.5M2/T0	1.5 m ²	No
SZ18300281	R-QN-N-2.0M2/T0	2 m ²	No
SZ18300282	R-QN-N-2.5M2/T0	2.5 m ²	No
SZ18300283	R-QN-N-3.0M2/T0	3 m ²	No
SZ18300284	R-QN-N-3.5M2/T0	3.5 m ²	No
SZ18300285	R-QN-N-4.0M2/T0	4 m ²	No
SZ18300286	R-QN-N-4.5M2/T0	4.5 m ²	No
SZ18300287	R-QN-N-5.0M2/T0	5 m ²	No
SZ18300288	R-QN-N-6.0M2/T0	6 m ²	No

Catalog Number	Item Name	Total Surface	Thermostat Included
SZ18300289	R-QN-N-7.0M2/T0	7 m ²	No
SZ18300290	R-QN-N-8.0M2/T0	8 m ²	No
SZ18300291	R-QN-N-9.0M2/T0	9 m ²	No
SZ18300292	R-QN-N-10.0M2/T0	10 m ²	No
SZ18300293	R-QN-N-12.0M2/T0	12 m ²	No
SZ18300294	R-QN-P-1.0M2/T0	1 m ²	No
SZ18300295	R-QN-P-1.5M2/T0	1.5 m ²	No
SZ18300296	R-QN-P-2.0M2/T0	2 m ²	No
SZ18300297	R-QN-P-2.5M2/T0	2.5 m ²	No
SZ18300298	R-QN-P-3.0M2/T0	3 m ²	No
SZ18300299	R-QN-P-3.5M2/T0	3.5 m ²	No
SZ18300300	R-QN-P-4.0M2/T0	4 m ²	No
SZ18300301	R-QN-P-4.5M2/T0	4.5 m ²	No

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 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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