

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	E-Number	Nominal Power Output	Power	Resistance Range	Width
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SZ18300302	R-QN-P-5.0M2/T0	8171740	160 W/m ²	800 W	61.3 – 71 Ω	500 mm
SZ18300303	R-QN-P-6.0M2/T0	8171742	160 W/m ²	960 W	53.6 – 62.1 Ω	500 mm
SZ18300304	R-QN-P-7.0M2/T0	8171744	160 W/m ²	1120 W	43.4 – 50.3 Ω	500 mm
SZ18300305	R-QN-P-8.0M2/T0	8171746	160 W/m ²	1280 W	38.5 – 44.6 Ω	500 mm
SZ18300306	R-QN-P-9.0M2/T0	8171748	160 W/m ²	1440 W	34.5 – 39.9 Ω	500 mm
SZ18300307	R-QN-P-10.0M2/T0	8171749	160 W/m ²	1600 W	31 – 36 Ω	500 mm
SZ18300429	R-QN-N-1.0M2/SENZ-WIFI	8171001	90 W/m ²	90 W	531.1 – 614.9 Ω	500 mm
SZ18300430	R-QN-N-1.5M2/SENZ-WIFI	8171002	90 W/m ²	135 W	364.2 – 421.7 Ω	500 mm
SZ18300431	R-QN-N-2.0M2/SENZ-WIFI	8171003	90 W/m ²	180 W	277.2 – 321 Ω	500 mm
SZ18300432	R-QN-N-2.5M2/SENZ-WIFI	8171005	90 W/m ²	225 W	223.2 – 258.5 Ω	500 mm
SZ18300433	R-QN-N-3.0M2/SENZ-WIFI	8171007	90 W/m ²	275 W	183.7 – 212.7 Ω	500 mm
SZ18300434	R-QN-N-3.5M2/SENZ-WIFI	8171009	90 W/m ²	320 W	159.5 – 184.7 Ω	500 mm
SZ18300435	R-QN-N-4.0M2/SENZ-WIFI	8171011	90 W/m ²	360 W	140.3 – 162.4 Ω	500 mm
SZ18300436	R-QN-N-4.5M2/SENZ-WIFI	8171013	90 W/m ²	405 W	124.6 – 144.2 Ω	500 mm
SZ18300437	R-QN-N-5.0M2/SENZ-WIFI	8171015	90 W/m ²	450 W	112 – 129.7 Ω	500 mm
SZ18300438	R-QN-N-6.0M2/SENZ-WIFI	8171017	90 W/m ²	545 W	93.7 – 108.5 Ω	500 mm

SZ18300439	R-QN-N- 7.0M2/SENZ- WIFI	8171019	90 W/m ²	630 W	81 – 93.8 Ω	500 mm
SZ18300440	R-QN-N- 8.0M2/SENZ- WIFI	8171021	90 W/m ²	725 W	70.3 – 81.5 Ω	500 mm
SZ18300441	R-QN-N- 9.0M2/SENZ- WIFI	8171022	90 W/m ²	800 W	63.8 – 73.9 Ω	500 mm
SZ18300442	R-QN-N- 10.0M2/SENZ- WIFI	8171023	90 W/m ²	915 W	55.9 – 64.7 Ω	500 mm
SZ18300443	R-QN-N- 12.0M2/SENZ- WIFI	8171025	90 W/m ²	1100 W	46.5 – 53.8 Ω	500 mm
SZ18300261	R-QN-P- 1.0M2/SENZ- WIFI	8171026	160 W/m ²	160 W	306.8 – 355.2 Ω	500 mm
SZ18300262	R-QN-P- 1.5M2/SENZ- WIFI	8171027	160 W/m ²	240 W	199.9 – 231.5 Ω	500 mm
SZ18300263	R-QN-P- 2.0M2/SENZ- WIFI	8171028	160 W/m ²	320 W	151.9 – 175.9 Ω	500 mm
SZ18300264	R-QN-P- 2.5M2/SENZ- WIFI	8171029	160 W/m ²	400 W	121.8 – 141.1 Ω	500 mm
SZ18300265	R-QN-P- 3.0M2/SENZ- WIFI	8171030	160 W/m ²	480 W	103.1 – 119.4 Ω	500 mm
SZ18300266	R-QN-P- 3.5M2/SENZ- WIFI	8171031	160 W/m ²	560 W	87.3 – 101 Ω	500 mm
SZ18300267	R-QN-P- 4.0M2/SENZ- WIFI	8171032	160 W/m ²	640 W	77.6 – 89.9 Ω	500 mm
SZ18300268	R-QN-P- 4.5M2/SENZ- WIFI	8171033	160 W/m ²	720 W	68.3 – 79.1 Ω	500 mm
SZ18300269	R-QN-P- 5.0M2/SENZ- WIFI	8171034	160 W/m ²	800 W	61.3 – 71 Ω	500 mm
SZ18300270	R-QN-P- 6.0M2/SENZ- WIFI	8171035	160 W/m ²	960 W	53.6 – 62.1 Ω	500 mm

SZ18300271	R-QN-P-7.0M2/SENZ-WIFI	8171036	160 W/m ²	1120 W	43.4 – 50.3 Ω	500 mm
SZ18300272	R-QN-P-8.0M2/SENZ-WIFI	8171037	160 W/m ²	1280 W	38.5 – 44.6 Ω	500 mm
SZ18300273	R-QN-P-9.0M2/SENZ-WIFI	8171038	160 W/m ²	1440 W	34.5 – 39.9 Ω	500 mm
SZ18300274	R-QN-P-10.0M2/SENZ-WIFI	8171039	160 W/m ²	1600 W	31 – 36 Ω	500 mm
SZ18300279	R-QN-N-1.0M2/T0	8171151	90 W/m ²	90 W	531.1 – 614.9 Ω	500 mm
SZ18300280	R-QN-N-1.5M2/T0	8171152	90 W/m ²	135 W	364.2 – 421.7 Ω	500 mm
SZ18300281	R-QN-N-2.0M2/T0	8171153	90 W/m ²	180 W	277.2 – 321 Ω	500 mm
SZ18300282	R-QN-N-2.5M2/T0	8171154	90 W/m ²	225 W	223.2 – 258.5 Ω	500 mm
SZ18300283	R-QN-N-3.0M2/T0	8171155	90 W/m ²	275 W	183.7 – 212.7 Ω	500 mm
SZ18300284	R-QN-N-3.5M2/T0	8171156	90 W/m ²	320 W	159.5 – 184.7 Ω	500 mm
SZ18300285	R-QN-N-4.0M2/T0	8171157	90 W/m ²	360 W	140.3 – 162.4 Ω	500 mm
SZ18300286	R-QN-N-4.5M2/T0	8171158	90 W/m ²	405 W	124.6 – 144.2 Ω	500 mm
SZ18300287	R-QN-N-5.0M2/T0	8171159	90 W/m ²	450 W	112 – 129.7 Ω	500 mm
SZ18300288	R-QN-N-6.0M2/T0	8171160	90 W/m ²	545 W	93.7 – 108.5 Ω	500 mm
SZ18300289	R-QN-N-7.0M2/T0	8171161	90 W/m ²	630 W	81 – 93.8 Ω	500 mm
SZ18300290	R-QN-N-8.0M2/T0	8171162	90 W/m ²	725 W	70.3 – 81.5 Ω	500 mm
SZ18300291	R-QN-N-9.0M2/T0	8171163	90 W/m ²	800 W	63.8 – 73.9 Ω	500 mm
SZ18300292	R-QN-N-10.0M2/T0	8171170	90 W/m ²	915 W	55.9 – 64.7 Ω	500 mm

SZ18300293	R-QN-N-12.0M2/T0	8171172	90 W/m ²	1100 W	46.5 – 53.8 Ω	500 mm
SZ18300294	R-QN-P-1.0M2/T0	8171732	160 W/m ²	160 W	306.8 – 355.2 Ω	500 mm
SZ18300295	R-QN-P-1.5M2/T0	8171733	160 W/m ²	240 W	199.9 – 231.5 Ω	500 mm
SZ18300296	R-QN-P-2.0M2/T0	8171734	160 W/m ²	320 W	151.9 – 175.9 Ω	500 mm
SZ18300297	R-QN-P-2.5M2/T0	8171735	160 W/m ²	400 W	121.8 – 141.1 Ω	500 mm
SZ18300298	R-QN-P-3.0M2/T0	8171736	160 W/m ²	480 W	103.1 – 119.4 Ω	500 mm
SZ18300299	R-QN-P-3.5M2/T0	8171737	160 W/m ²	560 W	87.3 – 101 Ω	500 mm
SZ18300300	R-QN-P-4.0M2/T0	8171738	160 W/m ²	640 W	77.6 – 89.9 Ω	500 mm
SZ18300301	R-QN-P-4.5M2/T0	8171739	160 W/m ²	720 W	68.3 – 79.1 Ω	500 mm

Table 2/2

Catalog Number	Item Name	E-Number	Length	Total Surface	Thermostat Included
SZ18300302	R-QN-P-5.0M2/T0	8171740	10 m	5 m ²	No
SZ18300303	R-QN-P-6.0M2/T0	8171742	12 m	6 m ²	No
SZ18300304	R-QN-P-7.0M2/T0	8171744	14 m	7 m ²	No
SZ18300305	R-QN-P-8.0M2/T0	8171746	16 m	8 m ²	No
SZ18300306	R-QN-P-9.0M2/T0	8171748	18 m	9 m ²	No
SZ18300307	R-QN-P-10.0M2/T0	8171749	20 m	10 m ²	No
SZ18300429	R-QN-N-1.0M2/SENZ-WIFI	8171001	2 m	1 m ²	SENZ-WIFI
SZ18300430	R-QN-N-1.5M2/SENZ-WIFI	8171002	3 m	1.5 m ²	SENZ-WIFI

Catalog Number	Item Name	E-Number	Length	Total Surface	Thermostat Included
SZ18300431	R-QN-N-2.0M2/SENZ-WIFI	8171003	4 m	2 m ²	SENZ-WIFI
SZ18300432	R-QN-N-2.5M2/SENZ-WIFI	8171005	5 m	2.5 m ²	SENZ-WIFI
SZ18300433	R-QN-N-3.0M2/SENZ-WIFI	8171007	6 m	3 m ²	SENZ-WIFI
SZ18300434	R-QN-N-3.5M2/SENZ-WIFI	8171009	7 m	3.5 m ²	SENZ-WIFI
SZ18300435	R-QN-N-4.0M2/SENZ-WIFI	8171011	8 m	4 m ²	SENZ-WIFI
SZ18300436	R-QN-N-4.5M2/SENZ-WIFI	8171013	9 m	4.5 m ²	SENZ-WIFI
SZ18300437	R-QN-N-5.0M2/SENZ-WIFI	8171015	10 m	5 m ²	SENZ-WIFI
SZ18300438	R-QN-N-6.0M2/SENZ-WIFI	8171017	12 m	6 m ²	SENZ-WIFI
SZ18300439	R-QN-N-7.0M2/SENZ-WIFI	8171019	14 m	7 m ²	SENZ-WIFI
SZ18300440	R-QN-N-8.0M2/SENZ-WIFI	8171021	16 m	8 m ²	SENZ-WIFI
SZ18300441	R-QN-N-9.0M2/SENZ-WIFI	8171022	18 m	9 m ²	SENZ-WIFI
SZ18300442	R-QN-N-10.0M2/SENZ-WIFI	8171023	20 m	10 m ²	SENZ-WIFI
SZ18300443	R-QN-N-12.0M2/SENZ-WIFI	8171025	24 m	12 m ²	SENZ-WIFI
SZ18300261	R-QN-P-1.0M2/SENZ-WIFI	8171026	2 m	1 m ²	SENZ-WIFI
SZ18300262	R-QN-P-1.5M2/SENZ-WIFI	8171027	3 m	1.5 m ²	SENZ-WIFI
SZ18300263	R-QN-P-2.0M2/SENZ-WIFI	8171028	4 m	2 m ²	SENZ-WIFI
SZ18300264	R-QN-P-2.5M2/SENZ-WIFI	8171029	5 m	2.5 m ²	SENZ-WIFI
SZ18300265	R-QN-P-3.0M2/SENZ-WIFI	8171030	6 m	3 m ²	SENZ-WIFI

Catalog Number	Item Name	E-Number	Length	Total Surface	Thermostat Included
SZ18300266	R-QN-P-3.5M2/SENZ-WIFI	8171031	7 m	3.5 m ²	SENZ-WIFI
SZ18300267	R-QN-P-4.0M2/SENZ-WIFI	8171032	8 m	4 m ²	SENZ-WIFI
SZ18300268	R-QN-P-4.5M2/SENZ-WIFI	8171033	9 m	4.5 m ²	SENZ-WIFI
SZ18300269	R-QN-P-5.0M2/SENZ-WIFI	8171034	10 m	5 m ²	SENZ-WIFI
SZ18300270	R-QN-P-6.0M2/SENZ-WIFI	8171035	12 m	6 m ²	SENZ-WIFI
SZ18300271	R-QN-P-7.0M2/SENZ-WIFI	8171036	14 m	7 m ²	SENZ-WIFI
SZ18300272	R-QN-P-8.0M2/SENZ-WIFI	8171037	16 m	8 m ²	SENZ-WIFI
SZ18300273	R-QN-P-9.0M2/SENZ-WIFI	8171038	18 m	9 m ²	SENZ-WIFI
SZ18300274	R-QN-P-10.0M2/SENZ-WIFI	8171039	20 m	10 m ²	SENZ-WIFI
SZ18300279	R-QN-N-1.0M2/T0	8171151	2 m	1 m ²	No
SZ18300280	R-QN-N-1.5M2/T0	8171152	3 m	1.5 m ²	No
SZ18300281	R-QN-N-2.0M2/T0	8171153	4 m	2 m ²	No
SZ18300282	R-QN-N-2.5M2/T0	8171154	5 m	2.5 m ²	No
SZ18300283	R-QN-N-3.0M2/T0	8171155	6 m	3 m ²	No
SZ18300284	R-QN-N-3.5M2/T0	8171156	7 m	3.5 m ²	No
SZ18300285	R-QN-N-4.0M2/T0	8171157	8 m	4 m ²	No
SZ18300286	R-QN-N-4.5M2/T0	8171158	9 m	4.5 m ²	No
SZ18300287	R-QN-N-5.0M2/T0	8171159	10 m	5 m ²	No

Catalog Number	Item Name	E-Number	Length	Total Surface	Thermostat Included
SZ18300288	R-QN-N-6.0M2/T0	8171160	12 m	6 m ²	No
SZ18300289	R-QN-N-7.0M2/T0	8171161	14 m	7 m ²	No
SZ18300290	R-QN-N-8.0M2/T0	8171162	16 m	8 m ²	No
SZ18300291	R-QN-N-9.0M2/T0	8171163	18 m	9 m ²	No
SZ18300292	R-QN-N-10.0M2/T0	8171170	20 m	10 m ²	No
SZ18300293	R-QN-N-12.0M2/T0	8171172	24 m	12 m ²	No
SZ18300294	R-QN-P-1.0M2/T0	8171732	2 m	1 m ²	No
SZ18300295	R-QN-P-1.5M2/T0	8171733	3 m	1.5 m ²	No
SZ18300296	R-QN-P-2.0M2/T0	8171734	4 m	2 m ²	No
SZ18300297	R-QN-P-2.5M2/T0	8171735	5 m	2.5 m ²	No
SZ18300298	R-QN-P-3.0M2/T0	8171736	6 m	3 m ²	No
SZ18300299	R-QN-P-3.5M2/T0	8171737	7 m	3.5 m ²	No
SZ18300300	R-QN-P-4.0M2/T0	8171738	8 m	4 m ²	No
SZ18300301	R-QN-P-4.5M2/T0	8171739	9 m	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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