

ETHERMA NST

Dipole netted heating mat extra robust



The factory-assembled NST netted heating mat is extremely robust due to the Teflon inner and outer insulation of the heating cable, making it suitable for indoor and outdoor use. Its Teflon outer sheath makes it chemically resistant and ideal for installation in chemically aggressive environments such as public toilets, bathrooms, etc., where concentrated cleaning agents or bases are used. The dipole design guarantees an easy fitting.

In addition, the NST netted heating mat is suitable for use as an open-area heater under tiles in flex adhesive or thin layering. This enables an especially flat fitting for the reconstruction of ramps, foot paths and access roads.

POSSIBLE APPLICATIONS

Public areas, swimming pools or spas

Excellently suitable for the use in spas because aggressive cleaning agents could affect the PVC-insulated heating cable through the joints after a while. The netted heating mats are resistant against these chemical effects due to the Teflon outer insulation and guarantees a long service life.

Free space heating under tiles or thin covering

The extreme flat fitting enables the NST perfectly to keep terraces, gateways, entrance areas, rescue services or parking garages free from snow and ice.



- A Resistance cables
- B Teflon inner insulation
- C Protective braid made of tin-plated copper shield
- D Teflon outer insulation

TECHNICAL DETAILS

- > Voltage: 230 V, 400 V
- > Output: 130, 160, 200, 300 W/m²
- > Temperature-resistant: Up to 150 °C
- > Bespoke outputs: on request
- > Thickness of heating cable: Approx. 3.3 mm
- > Grid type: 12.5 x 12.5 mm
- > Standard widths: 50 cm
- > IP rating: IP X7
- > Safety function: Residual-current circuit-breaker, 30 mA
- > Connection cable (no plug): 4 m; 2 x 1.0 mm²/1.5 mm² + protective netting
- > Certification: CE compliant

BENEFITS OF THIS PRODUCT

- + Chemically resistant and particularly robust
- + Bespoke outputs available
- + Custom-made connection cable (no plug) available

SELECTION GUIDE

NST-130 W/m²

As main heating in low-energy housing.

NST-160 W/m²

As full heating system with standard insulation.

NST-200 W/m²

For heating living spaces with poor insulation.

NST-300 W/m²

For heating of surfaces in wellness areas, but also as open-area heating under tiles in thin bed or in thin layering for the renovation of ramps, where a low floor structure is required.

Netted heating mat 132-NST, 130 W/m², 230 V, IP X7

PG: M1 | DT: 1 week

Type	Item no.	Output (W)	Length (cm)	Width (cm)	m ²
132-NST5-140	40873	91	140	50	0.70
132-NST5-215	40874	140	215	50	1.08
132-NST5-320	40875	208	320	50	1.60
132-NST5-440	40876	286	440	50	2.20
132-NST5-550	40877	358	550	50	2.75
132-NST5-650	40878	423	650	50	3.25
132-NST5-770	40879	500	770	50	3.85
132-NST5-1090	40880	709	1090	50	5.45
132-NST5-1450	40881	943	1450	50	7.25
132-NST5-1840	40882	1196	1840	50	9.20

Netted heating mat 162-NST, 160 W/m², 230 V, IP X7

PG: M1 | DT: 1 week

Type	Item no.	Output (W)	Length (cm)	Width (cm)	m ²
162-NST5-120	35993	96	120	50	0.6
162-NST5-200	35994	160	200	50	1.0
162-NST5-280	35995	224	280	50	1.4
162-NST5-400	35996	320	400	50	2.0
162-NST5-560	35997	448	560	50	2.8
162-NST5-680	35998	544	680	50	3.4
162-NST5-960	35999	768	960	50	4.8
162-NST5-1280	36000	1024	1280	50	6.4
162-NST5-1660	36001	1330	1660	50	8.3

Netted heating mat 202-NST, 200 W/m², 230 V, IP X7

PG: M1 | DT: 1 week

Type	Item no.	Output (W)	Length (cm)	Width (cm)	m ²
202-NST5-115	33210	118	115	50	0.6
202-NST5-180	31085	176	180	50	0.9
202-NST5-255	32217	259	255	50	1.3
202-NST5-360	32412	358	360	50	1.8
202-NST5-525	32208	521	525	50	2.6
202-NST5-625	33215	625	625	50	3.1
202-NST5-885	32209	885	885	50	4.4
202-NST5-1180	32411	1178	1180	50	5.9
202-NST5-1485	32210	1484	1485	50	7.4

Netted heating mat 302-NST, 300 W/m², 230 V, IP X7

PG: M1 | DT: 1 week

Type	Item no.	Output (W)	Length (cm)	Width (cm)	m ²
302-NST5-98	33231	136	98	50	0.5
302-NST5-143	33353	223	143	50	0.7
302-NST5-210	33233	315	210	50	1.1
302-NST5-293	33234	441	293	50	1.5
302-NST5-428	33235	640	428	50	2.1
302-NST5-510	33236	763	510	50	2.6
302-NST5-720	33237	1080	720	50	3.6
302-NST5-960	33239	1438	960	50	4.8
302-NST5-1215	33240	1814	1215	50	6.1

Netted heating mat 303-NST, 300 W/m², 400 V, IP X7

PG: M1 | DT: 1 week

Type	Item no.	Output (W)	Length (cm)	Width (cm)	m ²
303-NST5-165	36145	242	165	50	0.8
303-NST5-255	36146	376	255	50	1.3
303-NST5-368	36147	544	368	50	1.8
303-NST5-510	34317	765	510	50	2.6
303-NST5-743	36148	1115	743	50	3.7
303-NST5-885	36149	1329	885	50	4.4
303-NST5-1253	36150	1879	1253	50	6.3
303-NST5-1665	36151	2507	1665	50	8.3
303-NST5-2108	36152	3163	2108	50	10.5

Accessories – NST netted heating mat

DT: ex stock

Type	Item no.	Description	PG
KALT-TCT-1	35364	PTC thermistor for NST netted heating mat, dipole with 1.0 mm ² protective braid, price per m	A4
KALT-TCT-1.5	27469	PTC thermistor for NST and NSP-TS heating mats, dipole with 1.5 mm ² protective braid, price per m	A4
FSH-12	38128	Sensor protective pipe made of copper for SS-12 installation pipe	A2
FSH-20	26881	Sensor protective pipe made of copper for DN-20 installation pipe	A2
SS-12	38242	Installation pipe for positioning remote sensor, diameter: 12 mm, price per m	A2
MTS	30640	Installation set, comprising FSH-12 and 2.5 m SS-12 installation pipe	A2
MSTD	35508	Repair set for heating conductor of DS, D and NST netted heating mats	A4
eTOUCH-PRO-1-W	41236	Smart thermostat with Wi-Fi and app control, 5-40 °C, 16 A, white	E1
eBASIC-1	41278	Switch-mounted thermostat with control dial and app function via Bluetooth 4.2, 16 A, 5-28 °C, white	E1