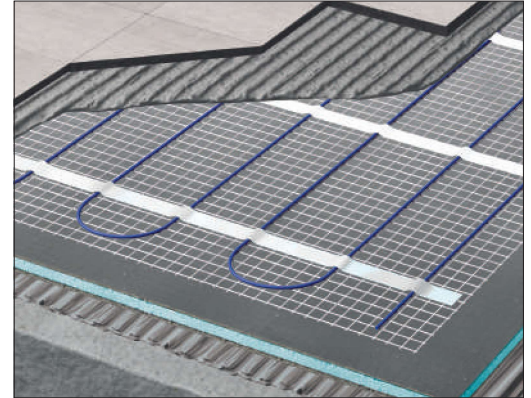


# MILOS 150W

## ELECTRIC UNDERFLOOR HEATING MAT

- Compatible with ceramic/tiled floors
- Double insulated cable: EFTE & PVC
- Easy to install, does not raise floor levels: 3 mm cable thickness
- ECODSIGN Lot20 compliant when installed with Rointe CT.2 & ST.2 Thermostats (sold separately)
- Smartphone control from Rointe Connect app with Rointe CT.2 Thermostat
- Special fluopolymer insulation of conductive wire supports higher temperatures
- Can be used a primary heating source, or with other Rointe heating systems
- Works with renewable energy sources like solar/PV for sustainable heating
- Guarantee: 10 years



MODEL	MSIPVC010	MSIPVC015	MSIPVC020	MSIPVC025	MSIPVC030	MSIPVC035	MSIPVC040	MSIPVC045	MSIPVC050	MSIPVC060	MSIPVC070	MSIPVC080	MSIPVC090	MSIPVC100	MSIPVC120
<b>TECHNICAL CHARACTERISTICS</b>															
Surface Area (m <sup>2</sup> )	1	1.5	2	2.5	3	3.5	4	4.5	5	6	7	8	9	10	12
Power (W)	150	225	300	375	450	525	600	675	750	900	1,050	1,200	1,350	1,500	1,800
Mat Length (m)	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
Voltage (V)	220 - 240														
Frequency (Hz)	50														
Current (A)	0.7	1.0	1.3	1.6	2.0	2.3	2.6	2.9	3.3	3.9	4.6	5.2	5.9	6.5	7.8
Resistance (Ω)	353	265	176	141	118	101	88	78	71	59	50	44	39	35	32
Maximum Temperature	80°C														
Finish	Cable: Blue. Mesh: White.														
<b>DIMENSIONS</b>															
Cable Thickness (mm)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Width (mm)	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Cable Spacing (mm)	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Coldtail Cable Length (m)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Weight (kg)	0.9	1.2	1.4	1.6	1.8	2.0	2.2	2.3	2.4	2.9	3.2	3.6	4.0	4.1	5.3
<b>DIAGRAM</b>															
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 20px;"> <p>1 Ceramic / tile floor 2 Flexible tile adhesive 3 Heating mat 4 Insulation boards 5 Flexible adhesive 6 Base</p> </div> </div>															
<b>MATERIALS</b>															
Cable	Double Conductor (Phase, Neutral, Ground)														
Insulation	EFTE + PVC														
Earth Protection	Yes														
<b>SAFETY</b>															
Safety Thermostat & Overheat Detection	✓														
IP Rating	IPX7														
Protection Grade	Class I														
<b>CONTROLS &amp; INTERFACE</b>															
Operation Via Thermostat	Compatible with Rointe CT.2 or ST.2 Thermostats														
Operation Via Rointe Heating App	✓ - (when used with Rointe CT.2 Thermostat)														

# MILOS 150W

## ELECTRIC UNDERFLOOR HEATING MAT

MODEL	MSIPVC010	MSIPVC015	MSIPVC020	MSIPVC025	MSIPVC030	MSIPVC035	MSIPVC040	MSIPVC045	MSIPVC050	MSIPVC060	MSIPVC070	MSIPVC080	MSIPVC090	MSIPVC100	MSIPVC120
<b>WiFi CONTROL &amp; TECHNOLOGIES</b>															
Built-In WiFi (2.4 GHz)	-														
WiFi Direct <sup>1</sup>	✓ - (when used with Rointe CT.2 Thermostat)														
Rointe Heating App Control	✓ - (when used with Rointe CT.2 Thermostat)														
Rointe Heating App Platforms	Android, iOS and Web														
Works with Amazon Alexa & Google Assistant	✓ - (when used with Rointe CT.2 Thermostat)														
Control by Geolocation	✓ - (when used with Rointe CT.2 Thermostat)														
True Real Power Consumption meter	✓ - (when used with Rointe CT.2 Thermostat)														
Cost & Consumption control	✓ - (when used with Rointe CT.2 Thermostat)														
Customisable Screen Colour	-														
Comfort Index <sup>2</sup>	✓ - (when used with Rointe CT.2 Thermostat)														
AIH System <sup>2</sup>	✓ - (when used with Rointe CT.2 Thermostat)														
<b>INSTALLATION</b>															
Mounting	Floor														
Direction	Flat														
Supplied With	Cable, User Manual														
<b>PACKAGING INFORMATION</b>															
Height (mm)	120	120	120	150	150	150	150	200	200	200	200	240	240	240	240
Width (mm)	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520
Depth (mm)	120	120	120	150	150	150	150	200	200	200	200	240	240	240	240
Gross Weight (kg)	1.1	1.4	1.6	1.8	2.0	2.2	2.4	2.7	2.8	3.3	3.6	4.0	4.5	4.6	5.7
<b>GUARANTEE</b>															
Product Guarantee	10 years														
<b>APPROVALS, CERTIFICATIONS &amp; CONFORMITIES</b>															
CE	✓														
UKCA	✓														
RoHS	-														
ERP Ready - LOT20	✓ - (when used with Rointe CT.2 Thermostat)														
ETIM Class	EC000405														
<b>COMPATIBLE ACCESSORIES</b>															
Insulation Panels ASCI16	✓														
CT.2 Thermostat	✓														
ST.2 Thermostat	✓														

1) Compatible with 2.4 GHz. No need for gateways or other connections. 2) Available from Q3/Q4 2023.

