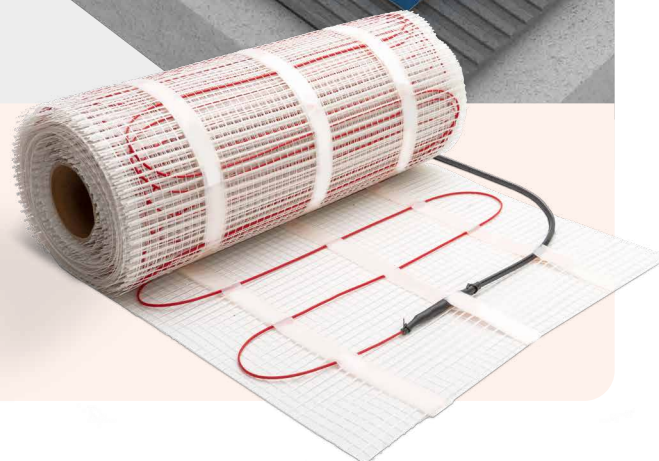




fastwarm®

STICKY MAT

DATA SHEET



Cold Lead	2.5m length, 3 core braided flex
Mesh Matting	Fiberglass adhesive-backed mesh
Cable Construction	Multi Strand Twin Core Conductor, Fluoropolymer Insulation (Teflon), Earth Braid, Fluoropolymer Insulation (Teflon)
Cable Spacings	100w @ 112mm / 150w @ 80mm / 200w @ 60mm
Cable Diameter	2mm
Rated Voltage	230v
Mat Width	500mm
Mat Length	2m (1m ²) - 24m (12m ²) in a single roll
Warranty	Lifetime Manufactures Warranty

SPECIAL PROPERTIES

- Combining the highest comfort level with maximum energy efficiency
- Single point connection
- No PVC used on Heating Element
- Suitable for wet areas IPx7
- Emits Zero EMF (electromagnetic fields)
- Flexible and Durable constructed cable

FIND US ONLINE
WWW.FASTWARM.COM

CALL US ON
01268 744479



fastwarm®

STICKY MAT



DATA SHEET

CABLE RESISTANCE CHART

Twin Conductor 100w / m² / 230 volts

Width (m)	Length (m)	Area (m ²)	Watts (w)	Resistance (Ohms)	Width (m)	Length (m)	Area (m ²)	Watts (w)	Resistance (Ohms)
0.5	2	1	100	529.00	0.5	10	5	500	105.80
0.5	3	1.5	150	352.70	0.5	12	6	600	88.17
0.5	4	2	200	264.50	0.5	14	7	700	75.60
0.5	5	2.5	250	211.60	0.5	16	8	800	66.13
0.5	6	3	300	176.30	0.5	18	9	900	58.80
0.5	7	3.5	350	151.10	0.5	20	10	1000	52.90
0.5	8	4	400	132.30	0.5	22	11	1100	48.09
0.5	9	4.5	450	117.56	0.5	24	12	1200	44.08

Twin Conductor 150w / m² / 230 volts

Width (m)	Length (m)	Area (m ²)	Watts (w)	Resistance (Ohms)	Width (m)	Length (m)	Area (m ²)	Watts (w)	Resistance (Ohms)
0.5	2	1	150	352.70	0.5	10	5	750	70.50
0.5	3	1.5	225	235.10	0.5	12	6	900	58.80
0.5	4	2	300	176.30	0.5	14	7	1050	50.40
0.5	5	2.5	375	141.10	0.5	16	8	1200	44.10
0.5	6	3	450	117.60	0.5	18	9	1350	39.20
0.5	7	3.5	525	100.80	0.5	20	10	1500	35.30
0.5	8	4	600	88.20	0.5	22	11	1650	32.06
0.5	9	4.5	675	78.37	0.5	24	12	1800	29.39

Twin Conductor 200w / m² / 230 volts

Width (m)	Length (m)	Area (m ²)	Watts (w)	Resistance (Ohms)	Width (m)	Length (m)	Area (m ²)	Watts (w)	Resistance (Ohms)
0.5	2	1	200	264.50	0.5	10	5	1000	52.90
0.5	3	1.5	300	176.30	0.5	12	6	1200	44.08
0.5	4	2	400	132.30	0.5	14	7	1400	37.79
0.5	5	2.5	500	105.80	0.5	16	8	1600	33.06
0.5	6	3	600	88.17	0.5	18	9	1800	29.39
0.5	7	3.5	700	75.57	0.5	20	10	2000	26.45
0.5	8	4	800	66.13	0.5	22	11	2200	24.05
0.5	9	4.5	900	58.79	0.5	24	12	2400	22.04

STICKY MAT



DATA SHEET

TESTING THE HEATING SYSTEM

The Fastwarm® mat system is tested prior to shipping but it must be tested as follows:

Step 1

After unpacking and prior to installation (record the readings).

Step 2

During the installation of the underfloor system onto substrate floor (record the readings).

Step 3

After installation of the underfloor heating system the electrician must carry out a 500 Volt DC insulation resistance test (record the readings).

Step 4

A final set of test will need to be carried out after final floor coverings are laid prior to signing off and commissioning the underfloor heating system.

*The test is a reading in Ohms and can be within 10% plus or minus of the value shown on the table above (measured at a room temperature of 20 degrees). NB hot or cold conditions can cause the resistance to alter.

DUE TO THE REQUIREMENTS OF THE CURRENT IEE REGULATIONS PART P ONLY A QUALIFIED PERSON SHOULD TEST AND MAKE THE FINAL CONNECTIONS TO THE INSTALLATION.

DISTANCE OF LOOPS

Cable spacing to achieve correct wattage output:

