

UNDERFLOOR HEATING MAT (FM)



APPLICATION

- Electric Floor Heating for comfort heat



SURFACE TYPE

- Tiles or Laminate floor



INSTALLATION LOCATION

- Indoor dry & wet applications like bathrooms, kitchen, living areas



INSTALLATION TECHNIQUE

- Thin layer of self levelling or glue

Underfloor Heating Mat (FM) are specifically engineered to providing floor heating and achieving optimal comfort levels in indoor applications. Heating mats comprise of a heating cable uniformly spaced over a fiberglass mesh (sticky / non-sticky) ensuring even heat distribution across the area.

The series-resistance type heating elements are insulated with fluoropolymers having high dielectric strength and exceptional temperature resistance, ensuring complete safety during operation. Shielding is provided for proper grounding and ensuring minimal EMF emission. Outer jacketing is done with PVC or Fluoropolymer depending on customer requirements.

A robust hot to cold junction design ensures safety and reliability.



Energy Efficient



Easy Installation



CE Certified



Sustainability



Quality Guarantee

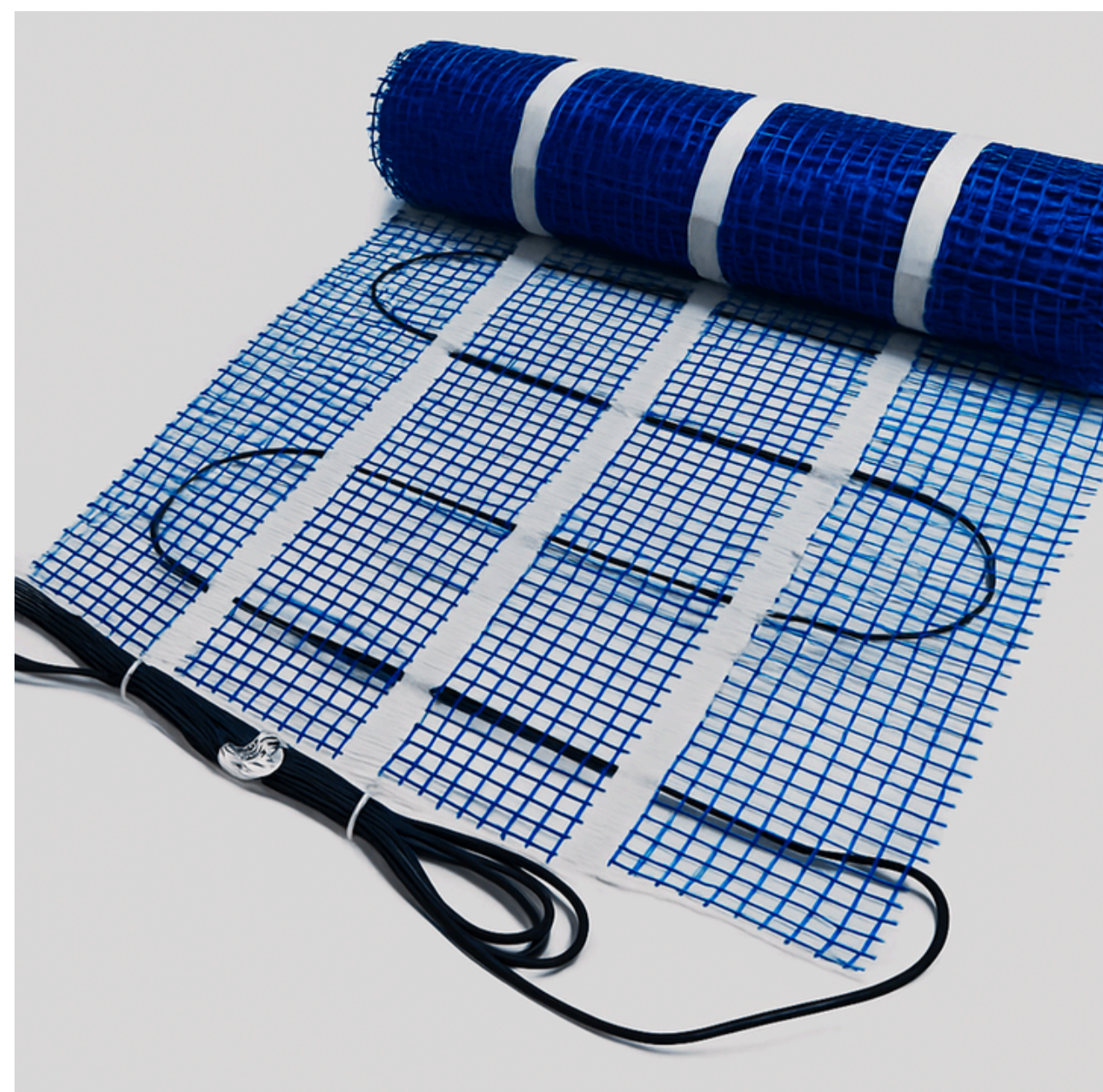


SPECIFICATION

● Heater Element*	Single/ Twin
● Heating Power Output	100, 150 and 200 W/m ²
● Fiberglass Mesh**	Non Sticky
● Mesh width (Nom.)	500mm (0.5 m)
● Rated Voltage	230V AC, 50Hz
● Cold lead length (Nom.)	3.0m
● Compliance to	EN 60335-1, EN 60335-2-96, EN 62233

MAT CONSTRUCTION

- Heating conductor
- Fluoropolymer insulation
- Alum-mylar tape with copper drain wire
- PVC / Fluoropolymer outer sheath
- Fiberglass Mesh
- Adhesive Tapes
- Cold lead



TECHNICAL DATA FOR FM-S/T**

Area (Sq m)	Product code	Wattage (W)	Product code	Wattage (W)	Product code	Wattage (W)
1.0	SC-FM-S/T-100-100	100	SC-FM-S/T-150-100	150	SC-FM-S/T-200-200	200
1.5	SC-FM-S/T-100-150	150	SC-FM-S/T-150-225	225	SC-FM-S/T-200-300	300
2.0	SC-FM-S/T-100-200	200	SC-FM-S/T-150-300	300	SC-FM-S/T-200-400	400
2.5	SC-FM-S/T-100-250	250	SC-FM-S/T-150-375	375	SC-FM-S/T-200-500	500
3.0	SC-FM-S/T-100-300	300	SC-FM-S/T-150-450	450	SC-FM-S/T-200-600	600
3.5	SC-FM-S/T-100-350	350	SC-FM-S/T-150-525	525	SC-FM-S/T-200-700	700
4.0	SC-FM-S/T-100-400	400	SC-FM-S/T-150-600	600	SC-FM-S/T-200-800	800
4.5	SC-FM-S/T-100-450	450	SC-FM-S/T-150-675	675	SC-FM-S/T-200-900	900
5.0	SC-FM-S/T-100-500	500	SC-FM-S/T-150-750	750	SC-FM-S/T-200-1000	1000
6.0	SC-FM-S/T-100-600	600	SC-FM-S/T-150-900	900	SC-FM-S/T-200-1200	1200
7.0	SC-FM-S/T-100-700	700	SC-FM-S/T-150-1050	1050	SC-FM-S/T-200-1400	1400
8.0	SC-FM-S/T-100-800	800	SC-FM-S/T-150-1200	1200	SC-FM-S/T-200-1600	1600
9.0	SC-FM-S/T-100-900	900	SC-FM-S/T-150-1350	1350	SC-FM-S/T-200-1800	1800
10.0	SC-FM-S/T-100-1000	1000	SC-FM-S/T-150-1500	1500	SC-FM-S/T-200-2000	2000
11.0	SC-FM-S/T-100-1100	1100	SC-FM-S/T-150-1650	1650	SC-FM-S/T-200-2200	2200
12.0	SC-FM-S/T-100-1200	1200	SC-FM-S/T-150-1800	1800	SC-FM-S/T-200-2400	2400
13.0	SC-FM-S/T-100-1300	1300	SC-FM-S/T-150-1950	1950	SC-FM-S/T-200-2600	2600
14.0	SC-FM-S/T-100-1400	1400	SC-FM-S/T-150-2100	2100	SC-FM-S/T-200-2800	2800
15.0	SC-FM-S/T-100-1500	1500	SC-FM-S/T-150-2250	2250	SC-FM-S/T-200-3000	3000

Note

- 1.*S/T represents Heating Element. S stands for single conductor and T stands for twin conductor.
- 2.**FM stands for Floor mats (non-sticky)
- 3.Floor mats can also be custom-built as per specific requirements.