



ECmat 100T

 Product is covered*
by **EPD**

ECmat is an extremely high-quality, 360° fully screened self-adhesive all-in-one mat with FEP insulated conductors and a red PVDF outer sheath (non UV stable). The round profile, low height (only 3,5 mm) and robust construction ensures a fast, simple and safe installation perfect for renovating existing floors.



Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption.

The cold lead is an installation cable with solid conductors ensuring fast installation. A clearly visible connection avoids accidentally installing the heated cable in the wall.

To ensure a long life-time, all cables are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our full floor extended Danfoss warranty.

*An EPD is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

Product specifications

Benefits <ul style="list-style-type: none"> • Fast and easy to install • Self-adhesive mesh • Low height - only 3,5 mm • Only one cold lead • Long life-time • Maximum protection Compliance symbols:  	Nominal voltage	230 V~
	Construction	Twin conductor with 360° screening, one cold lead
	Output	100 W/m ² @ 230 V~
	Max. permissible use temperature, powered	115 °C
	Max. permissible use temperature, unpowered	120 °C
	Cable dimensions	3,0 mm
	Deformation strength	600 N
	Pulling strength	120 N
	Conductor insulation	FEP
	Outer sheath	PVDF
	Screen	100% coverage; alu-foil; 0,5 mm ² tinned copper drain wire
	Cold lead	4 m DTWB, 2 x 1 mm ² with screen
	Min. installation temperature	-5 °C
Bending Ø, min.	5 cm	
IP Class	IPX7	
Standard compliance <ul style="list-style-type: none"> • IEC 60335-1: 2012 (with amendments) • IEC 60335-2-96: 2002 (with amendments) 		

Types

Item no.	Output @ 230V~	Heated area	Resistance, Ohm	Dimensions (W x L)	EAN no.
088L0215	50 W	0,5 m ²	1058 Ω	0,5 x 1 m	5703466120071
088L0216	100 W	1,0 m ²	529 Ω	0,5 x 2 m	5703466120088
088L0217	150 W	1,5 m ²	353 Ω	0,5 x 3 m	5703466120095
088L0218	200 W	2,0 m ²	265 Ω	0,5 x 4 m	5703466120101
088L0219	250 W	2,5 m ²	212 Ω	0,5 x 5 m	5703466120118
088L0220	300 W	3,0 m ²	176 Ω	0,5 x 6 m	5703466120125
088L0221	350 W	3,5 m ²	151 Ω	0,5 x 7 m	5703466120132
088L0222	400 W	4,0 m ²	132 Ω	0,5 x 8 m	5703466120149
088L0223	500 W	5,0 m ²	106 Ω	0,5 x 10 m	5703466120156
088L0224	600 W	6,0 m ²	88 Ω	0,5 x 12 m	5703466120163
088L0225	700 W	7,0 m ²	76 Ω	0,5 x 14 m	5703466120170
088L0226	800 W	8,0 m ²	66 Ω	0,5 x 16 m	5703466120187
088L0227	900 W	9,0 m ²	59 Ω	0,5 x 18 m	5703466120194
088L0228	1000 W	10,0 m ²	53 Ω	0,5 x 20 m	5703466120200
088L0229	1200 W	12,0 m ²	44 Ω	0,5 x 24 m	5703466120347