



**MODULAR  
SNOW-MELTING  
PLATFORM**

# MODULAR SNOW-MELTING PLATFORM



## APPLICATION AREA

During the cold season, the passable ways and ramps can become hard and/or dangerous to approach because of the ice and/or snow. Thermal Technology® modular snow-melting platform is the ideal solution to keep these areas easily approachable without the necessity to make expensive installation works.

## NO HARMFUL ELECTROMAGNETIC EMISSIONS

## FUNCTIONAL CHARACTERISTICS

The modules are supplied with two standard lengths - 100 and 200 cm - with a 50 cm standard width. They must be positioned on a compact stable surface on two rows with 1 cm distance and connected through the provided IP68 connectors. The clamping to the support plan is made with the screws and anchors supplied.

**WARNING: IN ORDER TO PROVIDE AN ADEQUATE ADHERENCE TO THE WHEELS THE SNOW-MELTING PLATFORM MUST NOT USED ON RAMPS WITH AN INCLINATION ABOVE 30% (17°)**

## CARBON FIBER

Carbon fiber is flexible, does not oxidize, does not produce harmful electromagnetic fields during electricity flow, has no dimensional variations as the temperature changes nor deterioration of ohmic values. No wearing and no maintenance required. Its high resistivity permits significant energy savings.

## TEMPERATURE CONTROL

The thermostat function at 10°C of each single element allows the optimization of the consumption.



MODULAR SNOW-MELTING COMPONENTS

## STRATIFICATION

Stratification starting with upper layer:

- Anti-slide 10/10 zinc sheet
- Lateral and central load-bearing structures in 15x15x1 mm ironrectangular tube.
- Resistors in carbon fibre
- IP68 module/module connectors.
- Thermal insulation in 15 mm thick mineral wool with externalreflective side.
- 10/10 thick zinc sheet bottom.
- 3 mm sound buffer.

	COMPONENTS					
	Heating element	Heating element	Fastening joint	Final tap	Power supply cable	Module/module cable
Length cm/n	200/78.74	100/39.37	10/3.94	10/3.94		
Width cm/n	50/19.68	50/19.68	50/19.68	50/19.68	600/236.2	300/118.1
Thickness cm/n	20/0.78	20/0.78	20/0.78	20/0.78		
Weight kg/lb	22/48.50	11/24.25	1/2.20	1/2.20		
Power	230V 50 Hz					
Power W/m <sup>2</sup>	160	80				

MODEL	POWER SUPPLY	POWER	PROTECTION DEGREE	TEMPERATURE CONTROL	CONNECTORS	DIMENSIONS (cm/in)
PEDE_050200	230 Vac 50/60 Hz	160W/m <sup>2</sup>	IP67	Thermostat at 10°C	IP68 connectors	200/78.74 x 50/19.68 x 20/0.78
PEDE_050100	230 Vac 50/60 Hz	160W/m <sup>2</sup>	IP67	Thermostat at 10°C	IP68 connectors	100/39.37 x 50/19.68 x 20/0.78

CONFORMITY



This product is manufactured in conformity with the electrical safety standards set by Low Voltage Directive 2014/35/EU. This product is in conformity with Electromagnetic Compatibility Directive 2014/30/EU, concerning the standards for electromagnetic emissions.

Thermal Technology powered by Carbon Fiber Heating SRL - 417075, Borş, Parc Industrial Borş, Nr. 1C, jud. Bihor, Romania  
Phone: + 39 0423 858589 - [www.thermaltt.com](http://www.thermaltt.com) - [info@thermaltt.com](mailto:info@thermaltt.com)