



<sup>®</sup>  
**THERMAL  
TECHNOLOGY**  
CARBON FIBER HEATING

**MODULAR  
UNDERFLOOR  
HEATING PANEL  
FOR INDOOR**

# MODULAR UNDERFLOOR HEATING PANEL FOR INDOOR



## APPLICATION AREA

Underfloor heating mesh is ideal for both types of working: new floors and renovations. Radiant heating principle of the system does not cause air movement and the bodies are heated directly, thus it is avoided dust and acrid circulation. The panel is available in modules of 12 standard dimensions (see the table).

## NO HARMFUL ELECTROMAGNETIC EMISSIONS

## OPERATIONAL FEATURES

The application must be performed carefully on clean and plain surfaces, following the indications provided by the installation diagram and linking the modules by aim of patented connectors with IP 67 protection degree. Extremely reduced thickness of the heating layer, of approximately 5,00 mm (0,2 inch approx.) allows interventions with minimal height. All the modules are connected to power in parallel, thus the system can operate even in case of partial damage, excluding from supply a floor area of 1,00 m<sup>2</sup> (10,76 ft<sup>2</sup>).

## STANDARD MODULES DIMENSIONS

CODE	DIMENSIONS (cm/in)	m <sup>2</sup> /ft <sup>2</sup>	POWER
PVMM.060100	60X100 / 23.62x39.37	0,60/6.46	60W
PVMM.060150	60X150 / 23.62x59.05	0,90/9.67	90W
PVMM.060250	60X250 / 23.62x98.42	1,50/16.15	150W
PVMM.060350	60X350 / 23.62x137.79	2,10/22.60	210W
PVMM.090150	90X150 / 35,43x59.05	1,35/14.53	135W
PVMM.090250	90X250 / 35.43x98.42	2,25/24.22	225W
PVMM.090350	90X350 / 35.43x137.79	3,15/33.91	315W
PVMM.090450	90X450 / 35.43x177.16	4,05/43.59	405W
PVMM.150150	150X150 / 59.05x59.05	2,25/24.22	225W
PVMM.150250	150X250 / 59.05x98.42	3,75/40.36	375W
PVMM.150350	150X350 / 59.05x137.79	5,25/56.51	525W
PVMM.150450	150X450 / 59.05x177.16	6,75/72.66	675W

## MODULAR PANEL ACCESSORIES

CODE	DESCRIPTION
PVMM.00PL80	Extension cord modul -module 80 cm (31.50 in)
PVMM.0PL200	Extension cord module-module 200 cm (78.74 in)
PVMM.0PL400	Extension cord power-module 400 cm (157.48 in)
PVMM.40075.NR	Compensation layer for non-heated areas 400x75



PANEL UNDER CONCRETE SCREED



PANEL UNDER GYPSUM FIBER DRY SCREED PANELS



PANEL BETWEEN CONCRETE SCREED AND FLOATING FLOOR



PANEL BETWEEN OLD AND NEW FLOOR

## 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.

## COMPOSITION

Carbon fiber heating cables coated by thermal conducting, insulating and reflecting layers. Total height of the panel is 5.00 mm (0.20 inch approx.).

## TEMPERATURE CONTROL

Activation and deactivation of the heating system can be automatized by aim of an electronic controller for outdoor (T705) operating with temperature probe, which must be installed in the heated area. Some situations require the installation of power splitter (T801) for halving of the installed power in case of a reduced quantity of total power. Furthermore, the installation of a thermostat or chrono-thermostat is enough to control efficiently the temperature in the room.

MODEL	POWER SUPPLY	POWER	PROTECTION DEGREE	TEMPERATURE CONTROL	CABLES AND CONNECTORS	DIMENSIONS
PVMM	230 Vac 50/60 Hz max 8A	From 25W/m <sup>2</sup> to 100W/m <sup>2</sup>	IP67	Electronic controller T705, optional - see accessories	FG7 power cord, IP67 connectors inserted into a polyester band with silicone filling	modular (see table)

CONFORMITY



This product is manufactured in conformity with the electrical safety standards set by low voltage norm 2006/95/CE. This product is in conformity with norm 2004/108/CE, concerning the standards for electromagnetic emissions.

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