



**UNDER  
LAMINATE  
MOQUETTE  
HEATING LAYER**

# UNDER LAMINATE/MOQUETTE HEATING LAYER



## APPLICATION AREA

Modular under laminate and moquette heating layer is recommended specifically for renovations, when it is intended a minimal raise of the pavement's height.

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 4 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, taping the modules and connecting them 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>).



MODULE CONNECTION USING IP67 CONNECTORS



TWO MODULES TAPING

## STANDARD MODULES DIMENSIONS

CODE	DIMENSIONS (cm/in)	m <sup>2</sup> /ft <sup>2</sup>	POWER
PVSM.095150	95x150 / 37.40x59.05	1,43 / 15.39	135W
PVSM.095200	95x200 / 37.40x78.74	1,90 / 20.45	180W
PVSM.095250	95x250 / 37.40x98.42	2,38 / 25.62	230W
PVSM.095350	95x350 / 37.40x137.79	3,32 / 25.65	315W

## ACCESSORIES FOR MODULAR ELEMENTS

CODE	DESCRIPTION
PVMM.00PL80	Extension cord module-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)
PVSM.100200.NR	Compensation layer for non-heated areas 100x200

## 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.

## STRATIFICATION

Stratification starting with outside layer:

- PU/mineral layer with aluminum reflecting layer, 1 mm thickness.
- Carbon fiber resistors.
- Compensation layer among resistance, 2 mm thickness.
- Thermal and acoustic insulation, 2 mm thickness.

## TEMPERATURE CONTROL

Activation and deactivation of the heating system can be automatized by aim of an electronic controller (T705) operating with temperature probe, which must be installed in the heated area. Furthermore, the installation of a thermostat or chronothermostat is enough to control efficiently the temperature in the room.

MODEL	POWER SUPPLY	POWER	PROTECTION DEGREE	TEMPERATURE CONTROL	CABLES AND CONNECTORS	DIMENSIONS
PVSM	230 Vac 50/60 Hz max 8A	95W/m <sup>2</sup>	IP67	Electronic controller T705, optional - see accessories	FG7 Power cord IP67 Connectors	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.