

**MODULAR
UNDERFLOOR
HEATING MESH
FOR INDOOR**

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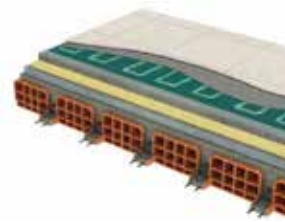
APPLICATION AREA

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 mesh is available in modules of 12 standard dimensions (see the table).

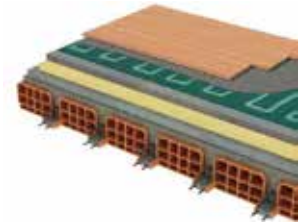
NO HARMFUL ELECTROMAGNETIC EMISSIONS

OPERATIONAL FEATURES

The application must be performed carefully on clean and plain surfaces, following the indications provided by the installation diagram, using appropriate accessories and linking the modules by aim of patented connectors with IP 67 protection degree. Extremely reduced thickness of the heating layer, of 4,00 mm (0,16 in) 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 m² (10,76 ft²).



MESH BETWEEN CONCRETE SCREED AND TILES, MARBLE, ETC.



MESH BETWEEN CONCRETE SCREED AND LAMINATE



MESH BETWEEN OLD AND NEW FLOORING



MESH BETWEEN INSULATION PANEL AND FLOORING

STANDARD MODULES DIMENSIONS

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

MODULAR MESH ACCESSORIES

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)

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 with thermal insulation on the bottom, fixed on alkali resistant fiberglass mesh. Total thickness is of 4.00 mm (0.16 in).

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. 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
PVMR	230 Vac 50/60 Hz max 8A	From 25W/m ² to 100W/m ²	IP67	T705 temperature electronic control, optional, see accessories	F67 power cable. IP67 connectors inserted into the polyester band with silicone filling	modular (see table)

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.