



**CUSTOMIZED
UNDERFLOOR
HEATING PANEL
FOR INDOOR**

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APPLICATION AREA

Underfloor heating panel 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. Panels have customized sizes and power. Due to multilayer composition of the panel, heat is spread uniformly, resulting a minimal heat dispersion downwards of approximately 5%.

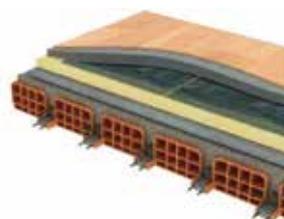
NO HARMFUL ELECTROMAGNETIC EMISSIONS

OPERATIONAL FEATURES

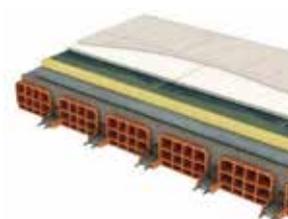
The application must be performed carefully on clean and plain surfaces. Extremely reduced thickness of the heating layer, of approximately 5,00 mm (0,2 inch approx.) allows interventions with minimal height. All the heating elements are connected to power in parallel, thus the system can operate even in case of partial damage, excluding from supply a floor area of 1,00 m² (10,76 ft²).

CARBON FIBER

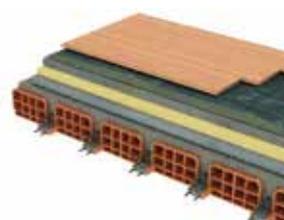
Carbon fiber is flexible, does not oxidize, does not produce harmful electromagnetic fields during electricity flow, has no dimensional variations as the temperature changes nor deterioration of ohmic values. No wearing and no maintenance required. Its high resistivity permits significant energy savings.



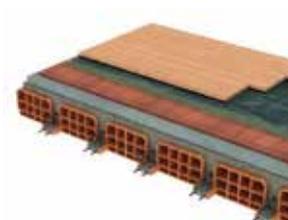
PANEL UNDER CONCRETE SCREED



PANEL UNDER GYPSUM FIBER DRY SCREED PANELS



PANEL BETWEEN CONCRETE SCREED AND FLOATING FLOOR



PANEL BETWEEN OLD AND NEW FLOOR



PANEL BETWEEN CONCRETE SCREED AND WOODEN FLOATING FLOOR

COMPOSITION

Carbon fiber heating cables coated by insulating and thermal conductive layers. Total thickness of 5,00 mm (0,20 inch approx.).

TEMPERATURE CONTROL

Activation and deactivation of the heating system can be automatized using 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
PVMI	230 Vac 50/60 Hz max 8A	from 25W/m ² to 100W/m ²	IP67	T705 temperature electronic control, optional, see accessories	FG7 power cable. IP67 connectors inserted into the polyester band with silicone filling	on demand

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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