



HEATING
SOLUTION

Customized Floor
Heating Panel
for Indoor
Under Screed
Installation

CUSTOMIZED FLOOR HEATING PANEL FOR INDOOR- UNDER SCREED INSTALLATION



APPLICATION AREA

Customized floor heating panel is suitable for any floor finishing. It heats through radiation, thus does not cause air movement and the bodies are heated directly, thus it is avoided dust and acid 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 allows interventions with minimal height. All the heating resistances 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.

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, maintaining the thermal performance.

COMPOSITION

Carbon fiber heating cables coated by insulating and thermal conductive layers. Total thickness of 5,00 mm .

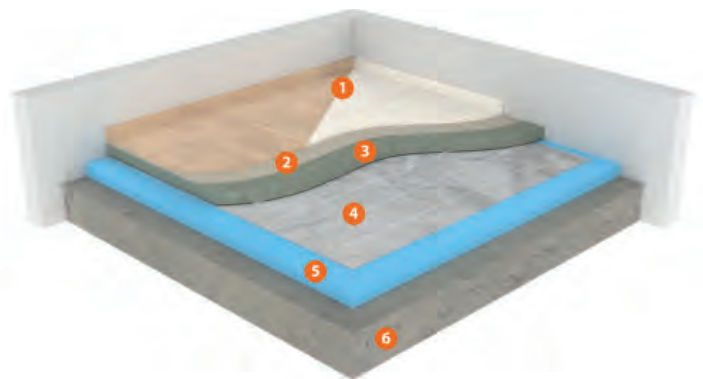
TEMPERATURE CONTROL

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.

SECTION - INSTALLATION TYPE

HEATING PANEL UNDER CEMENT SCREED AND ANY FLOOR TYPE

INSTALLATION TYPE PVMI



MODEL	POWER SUPPLY	POWER	PROTECTION	TEMPERATURE CONTROL	CABLES AND CONNECTORS	DIMENSIONS
PVMI	230 Vac 50/60 Hz	from 40W/m ² to 140W/m ²	IP67	T705 temperature electronic control, optional, see accessories	power cable insulating sheath	customized

CONFORMIT.



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
Tel: + 39 0423 858589 - www.thermaltt.com - info@thermaltt.com