



HEATING  
SOLUTION

Customized Floor  
Heating Mesh  
for Indoors

# CUSTOMIZED FLOOR HEATING MESH FOR INDOORS



## APPLICATION AREA

Underfloor heating mesh is ideal for both types of working: new floors or renovations. As it heats through radiation, the system does not cause air movement and the bodies are heated directly, thus it is avoided dust and mites circulation. The mesh is customized sizes and power.

## NO HARMFUL ELECTROMAGNETIC EMISSIONS

## OPERATIONAL FEATURES

The application must be performed carefully on clean and plain surfaces. Extremely reduced thickness of the heating layer, around 6,00 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 m<sup>2</sup> (around)

## 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 with thermal insulation on the bottom, fixed on alkali resistant fiberglass mesh. Total thickness is 6.00 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 reduced power is needed. Furthermore, the installation of a thermostat or chrono-thermostat is enough to control efficiently the temperature in the room.



HEATING MESH LAYED ON THE FLOOR



THIN BOND TO FIX THE MESH TO THE FLOOR

| MODEL | POWER SUPPLY     | POWER  | PROTECTION | TEMPERATURE CONTROL  | CABLES AND CONNECTORS          | DIMENSIONS |
|-------|------------------|--|------------|--|--------------------------------|------------|
| PVRI  | 230 Vac 50/60 Hz | from 40W/m <sup>2</sup> to 140W/m <sup>2</sup> | IP67       | T705 temperature electronic control, optional, see accessories | Supply cable insulating sheath | CUSTOMIZED |

CONFORMITĂ



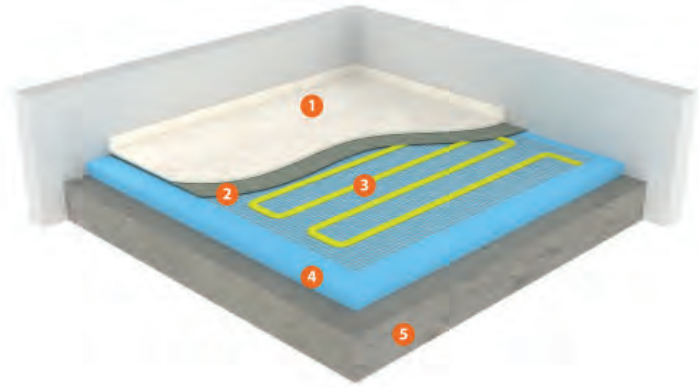
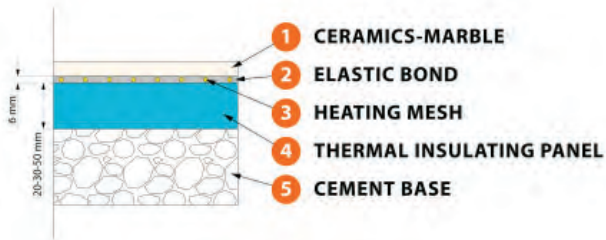
This product is manufactured in conformity with the electrical safety standards set by Low Voltage Directive 2014/35/EU. This product is in conformity with Electromagnetic Compatibility Directive 2014/30/EU, concerning the standards for electromagnetic emissions.

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](http://www.thermaltt.com) - [info@thermaltt.com](mailto:info@thermaltt.com)

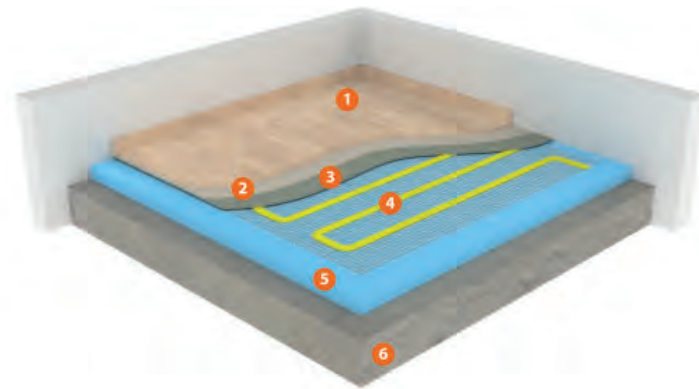
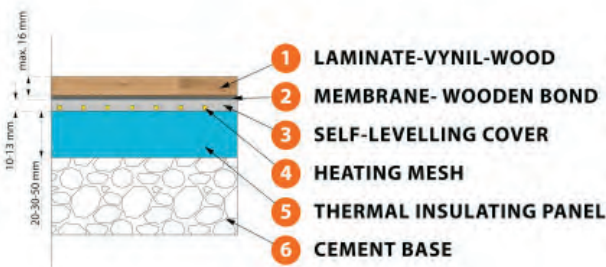
# CUSTOMIZED FLOOR HEATING MESH FOR INDOORS



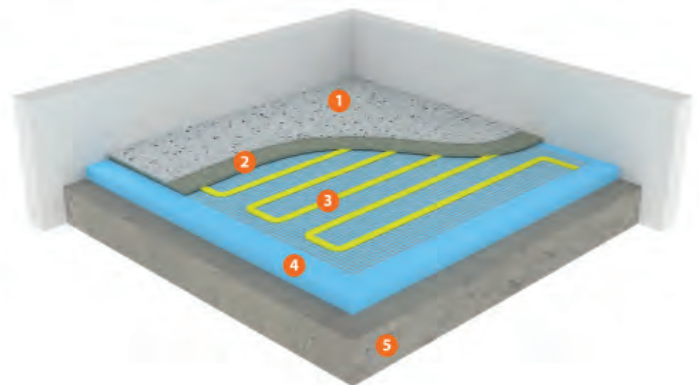
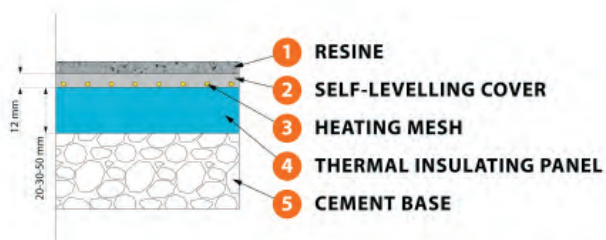
## INSTALLATION METHODES HEATING MESH EMBEDDED IN CERAMIC PVRI-A



## HEATING MESH UNDER SELF-LEVELLING SCREED PVRI-B



## HEATING MESH UNDER RESINE PVRI-C



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.