




**THERMAL
TECHNOLOGY**
CARBON FIBER HEATING

**CUSTOMIZED
UNDERFLOOR
HEATING MESH
FOR INDOOR**

CUSTOMIZED UNDERFLOOR HEATING MESH FOR INDOOR



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 has customized sizes and power.

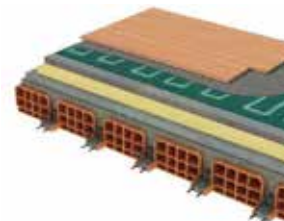
NO HARMFUL ELECTROMAGNETIC EMISSIONS

OPERATIONAL FEATURES

The application must be performed carefully on clean and plain surfaces. Extremely reduced thickness of the heating layer, of 4,00 mm (0,16 in) 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).



MESH BETWEEN CONCRETE SCREED AND TILES, MARBLE, ETC.



MESH UNDER SELF-LEVELLING SCREED (WOOD OR VINYL FLOORING) OR UNDER EPOXY RESINE



MESH BETWEEN OLD AND NEW FLOORING



MESH BETWEEN INSULATION PANEL AND FLOORING



UNROLLING THE MESH ON THE PAVEMENT



MESH LIGHT COATING FOR FIXATION

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 4.00 mm (0.16 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
PVRI	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	customized

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.