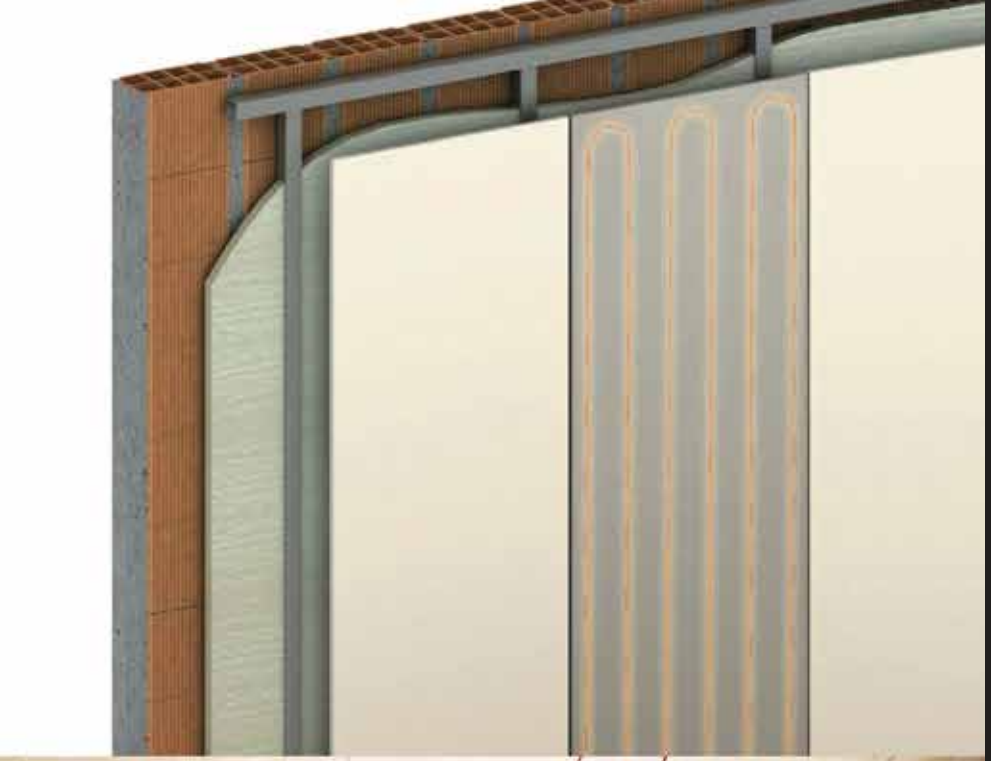
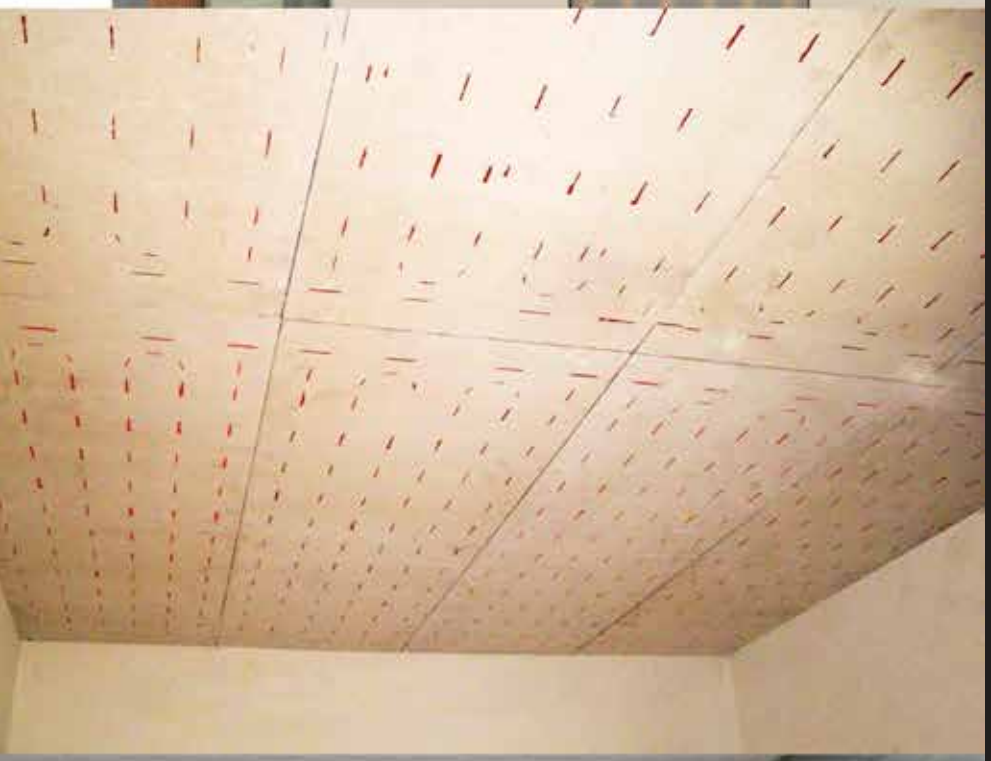
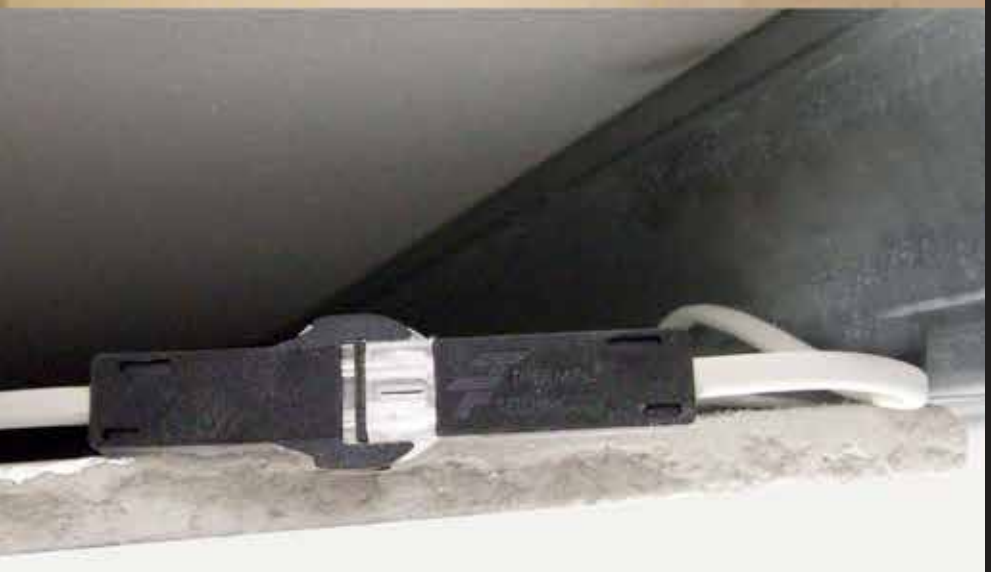






THERMAL TECHNOLOGY®

CARBON FIBER HEATING

GYPSUM FIBER RADIANT PANEL

GYPSUM FIBER RADIANT PANEL

THERMAL TECHNOLOGY
CARBON FIBER HEATING

APPLICATION AREA

Radiant panels, obtained by inserting of carbon fiber resistors inside of gypsum board, are perfectly adaptable to any type of indoor coating, both wall and ceiling. Radiant heating principle of the system does not cause air movement, avoiding dust and acrid circulation.

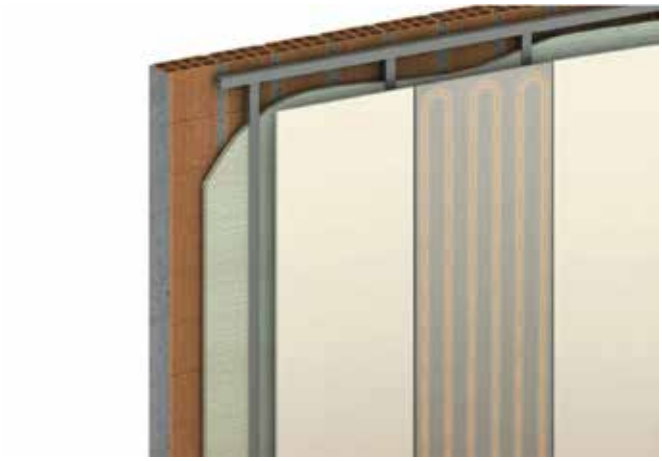
NO HARMFUL ELECTROMAGNETIC EMISSIONS

OPERATIONAL FEATURES

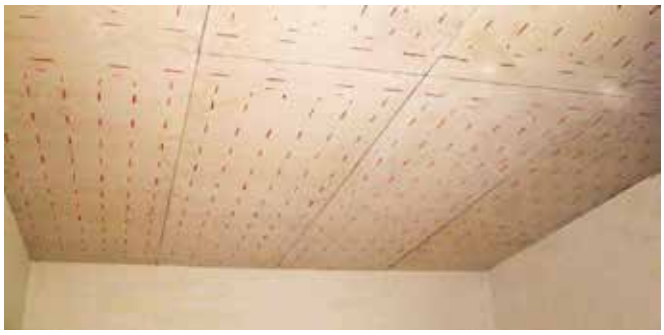
The installation can be done on walls, fake walls or fake ceilings, using the special metallic profiles, which can be easily purchased in appropriate stores. The panel is mounted on the wall in the same way as a common plasterboard. The panels are connected using IP67 connectors, placed on board's edges, or using appropriate extension cords (see the table), if necessary.

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



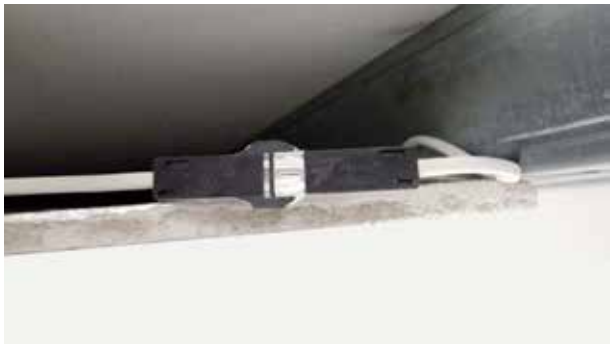
RADIANT PANEL INSTALLATION IN A METALLIC FRAME ABOVE THE INSULATION LAYER



RADIANT PANEL INSTALLATION ON CEILING

ACCESSORIES FOR RADIANT PANEL

CODE	DESCRIPTION
PVMM.00PL80	Extension module-module 80 cm (31.50 in)
PVMM.0PL200	Extension module-module 200 cm (78.74 in)
PVMM.0PL400	Extention power-module 400 cm (157.48 in)



CONNECTION BY AIM OF TT 8A IP67 CONNECTORS

STRATIFICATION

Stratification starting with outside layer:

- Gypsum fiber plate, thickness 12,5 mm (0.49 in), with groove on the back side for carbon fiber resistor housing.
- Carbon fiber resistors insulated with special polyolefin coating.
- Reflecting aluminium sheet.

TEMPERATURE CONTROL

Activation and deactivation of the heating system can be automatized by aim of an electronic controller (T705) operating with temperature probes, which must be installed in the heated area. 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 (cm/in)
PCFG	230 Vac 50/60 Hz	140 W/m²	IP67	electronic controller T 705 (see accessories) on demand	Power cord. IP 67 connectors inserted into polyester band with silicone fillin	200/78.74x60/23.62

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.

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