



HEATING
SOLUTION

ThermalPanel
Modular Heating
Element for
Drywall Panels

THERMALPANEL MODULAR HEATING ELEMENT FOR DRYWALL PANELS



CHARACTERISTICS

Heating element with Carbon Fiber resistors, with adhesive for direct pasting on the back of the drywall panels. With a width of 50 cm and a thickness of approximately 1.5 cm, it perfectly adapts to the standard 60 cm step of the metal support plates. They can be used for any type of interior finish, either on the wall or on the ceiling, to obtain a system that heats by irradiation without moving the air, thus avoiding the circulation of dust and mites.

NO HARMFUL ELECTROMAGNETIC EMISSIONS

OPERATIONAL FEATURES

PACG.A.400 heater, with 400W and PACG.A.200 with 200W they must be glued, with the adhesive aluminum side, on the back of the plasterboard sheet, taking care to position them so that they do not interfere with the uprights of the metal structure of the wall or ceiling. The same attention should be paid to the PACG.B.100 heater with 200W power, suitable for "under-window" installations or areas where integration is required. All elements have a 60°C thermal limiter incorporated on the heating panel, and the power cable is arranged on the 50 cm side and during assembly it can be positioned both upwards and downwards.

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 thermic performance.

TEMPERATURE CONTROL

Bimetallic thermal limiter (60°C). Panel switching on and off can be automated using an external electronic control unit (T705) connected with temperature probes to be placed in the heated areas. Even the use of a simple thermostat or a chrono-thermostat is sufficient to adjust the room temperature.

HEATING ELEMENT UNDER DRYWALL- INSTALLATION



INSTALLING METAL FRAMES



HEATING ELEMENTS GLUED ON THE BACK OF DRYWALL PANELS

STRATIFICATION

Stratification of materials beginning at the outside:

- Reflective embossed aluminum foil
- Semi-rigid mineral wool board of 10 mm
- Carbon fiber resistors with special polyolephin insulation
- Ground connection
- Adhesive aluminum foil



MODEL	POWER SUPPLY	POWER	PROTECTION DEGREE	TEMPERATURE CONTROL	CABLES AND CONNECTORS	SIZE (cm)
PACG.B.100	230 Vac 50/60 Hz	200 W	IP67	Bimetallic thermal limiter at 60°C	Supply cable H05, 3 x 0.75, 3,00 m long	50 x 70
PACG.A.200	230 Vac 50/60 Hz	200 W	IP67	Bimetallic thermal limiter at 60°C	Supply cable H05, 3 x 0.75, 3,00 m long	50 x 100
PACG.A.400	230 Vac 50/60 Hz	400 W	IP67	Bimetallic thermal limiter at 60°C	Supply cable H05, 3 x 0.75, 3,00 m long	50 x 200

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.