

P. R. HAVENER

Warming churches

CHURCH HEATING THERMAL HEATING PANEL

The ideal, new-generation infrared heating panel



How it works:

At the heart of the pew heating panels is the integrated infrared surface heating element made of carbon, which, in the same way as the sun, heats its environment using infrared radiant heat that is emitted evenly over a large surface area.

The easiest way to explain the way it works is to compare it with sunbathing on a glacier. Although the ambient temperature is below 0°C, it still feels warm in the sunshine. That is because of the sun's thermal radiation. Upon contact, it is (partially) absorbed and converted into heat, on our skin for example.

Design:

The thermal heating panel has an overall height of just 25 mm and can be matched to the colour to the pew if required. When installed under the pew, the heating panels can barely be seen.

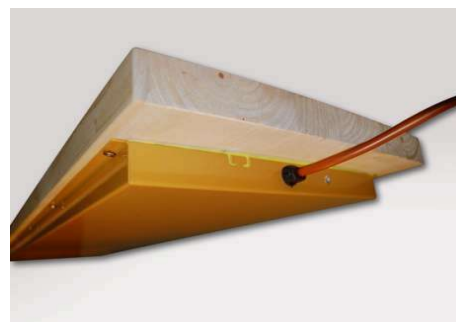


FIG.1

Advantages:

- heat is generated over the entire surface thanks to "genuine" wireless surface heating elements made of carbon
- optimum radiation of heat from the carbon-filled PTFE (black body)
- heat is radiated in the optimum far infrared area
- low thermal inertia thanks to low mass
- compact size therefore barely visible
- almost no movement of air due to infrared heat (convection)
- no burning of dust, protects walls and artwork

Description of materials used in BHE 28 thermal heating panels:

- metal housing, powder-coated housing available in all RAL colours without surcharge*
- the integrated glass-fibre carbon surface heating element ensures optimum infrared radiation over the entire surface
- an additional 2 cm thick layer of thermal insulation further improves downwards radiation of heat and prevents the wood in the pew from drying out
- wiring is passed through the heating panel

*minimum quantities and delivery times need to be agreed on an individual basis

Assembly:

The heating panels are supplied ready with cables in lengths ready for installation and with built-in compact thermostat. Predrilled holes for mounting screws on the side lugs ensure installing on the underside of the pew is straightforward and quick.

Characteristics:

Rated voltage: 230V

Output: from 220 to 280 W/RM

Protection class: protection class I

Temperature: built-in thermostats 80°C

Standard width: 280 mm - custom widths upon request

Panel lengths: from 50 cm, in increments of 10 cm

up to a maximum of 200 cm

Custom orders upon request

Standard colour: RAL 1011 brown beige (fig. 1)



Description of materials used in BHE-F 28 thermal heating panels:

- metal housing, flocking for improved thermal ergonomics
- improved radiation of heat as a result of increased emission value
- heat is stored for longer thanks to the surface flocking
- improved appearance thanks to velvet surface finish
- available in a variety of colours
- the integral glass-fibre carbon surface heating element ensures optimum radiation of the infrared heat over the entire surface
- an additional 2 cm thick layer of thermal insulation further improves downwards radiation of heat and prevents the wood in the pew from drying out
- wiring is passed through the heating panel



Shades for velvet finish

Characteristics:

Rated voltage: 230V

Output: from 220 to 280 W/RM

Protection class: protection class I

Temperature: built-in thermostats 80°C

Standard width: 280 mm - custom widths upon request

Panel lengths: from 50 cm, in increments of 10 cm

up to a maximum of 200 cm

