

P. R. HAVENER

Warming churches

Underbench panels BHE, flocked

The ideal infrared heating panel of the new generation



Functional description:

The heart of the pew heating panels is the integrated infrared carbon surface heating conductor, which heats its surroundings by its large-scale and uniform infrared radiant heat according to the principle of the sun.

The principle is best explained by sunbathing on a glacier. Although the ambient temperature is below 0 °C, it is warm in the sun. This is due to the heat radiation of the sun. Where this hits, it is (partially) absorbed and converted into heat, for example on our skin.

Advantages:

- Full-surface heat generation through wireless "real" carbon surface heating conductor.
- Optimal heat radiation of the PTFE carbon (black body)
- Heat radiation in the optimal infrared C range
- Low thermal inertia due to low mass
- Compact dimensions, therefore hardly visible
- Hardly any air movement (convection) due to infrared radiation
- No dust combustion, protection of walls and paintings

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Construction:

The thermo heating panel has a height of only 25mm and can be colour matched to the pew if required.

Mounted under the pew, the heating panels are thus hardly visible.



Material description

Thermal heating panels BHE-F 28:

- Metal housing, thermoergonomic flocking
- Improved radiation due to increased emission value
- Longer heat storage due to surface flocking - Visual enhancement by velour coating
- Available in different colours
- Optimum large-area infrared radiation is ensured by the built-in glass-fibre carbon surface heating conductor.
- A 2 cm thick thermal insulation additionally optimises the heat radiation downwards and prevents the wooden bench from "drying out" thermally.
- The cabling continues through the heating panel



Characteristics:

- Rated voltage: 230V
- Power: from 220 to 280W/rm.
- Protection class: Protection class I
- Temperature: built-in thermostats 80°C
- Standard width: 28 cm - special widths on request
- Panel lengths:
from 50cm staggered every 10cm up to max. 200cm



Assembly:

The heating panels are supplied ready-made with ready-to-mount cable lengths and built-in small thermostat. Pre-prepared holes for fastening screws on the side flaps ensure quick and easy installation on the underside of the bench.