

The logo for Heatit, featuring three wavy vertical lines in orange and red to the left of the word "heatit" in a lowercase, sans-serif font.

HEATIT RADIANT CEILING HEATING PANEL

Electrical radiant heating for both overall heating and local heating



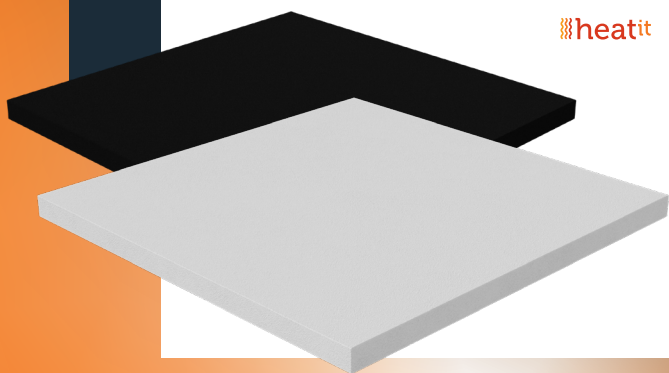
Comfort heating • Energy-saving • Increased safety • Individual customization


WHY CHOOSE CEILING HEATING?

A ceiling heating panel can compensate for cold air from the ventilation system by using radiant heat to warm up the cold surfaces in the room, thereby creating a more comfortable temperature without directly affecting the airflow. Radiant heat works by the heating panel emitting infrared heat downward into the room, which is then absorbed by surfaces such as floors, walls, furniture, and people.

Ceiling heating is energy-efficient compared to traditional heating methods and reduces heating costs. In many workplaces, economy and energy savings are a priority. Lowering the temperature can be a comfort issue for many employees, patients, and students.

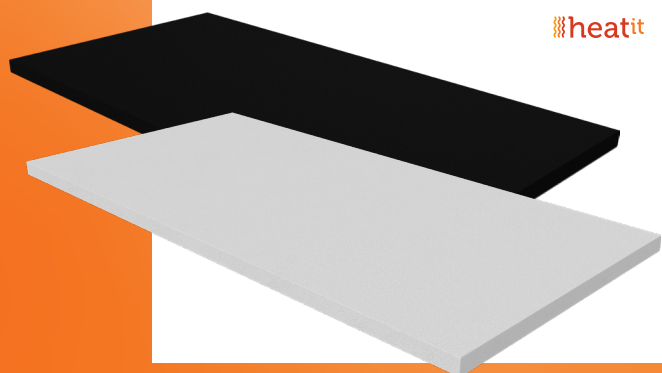
Ceiling heating panels with electric radiant heat are well-suited for both overall heating and local heating, providing comfort heat as needed. It is not necessary to start heating earlier than 30 to 60 minutes before the workday begins, and the heat can be turned off when the workday ends.




 **Heatit RCH Panel** **300W**

Output 300W
Size 59.5 x 59.5 x 4.5cm

Variants
White RAL 9003 54 304 51
White RAL 9003 /Wago connection .. 54 304 47
Black 54 304 53



 **Heatit RCH Panel** **600W**

Output 600W
Size 119 x 59.5 x 4.5cm

Variants
White RAL 9003 54 304 52
White RAL 9003 /Wago connection .. 54 304 43
Black 54 304 54



CEILING HEATING CONTROL

WITH THERMOSTATS

The most common way to control ceiling heating panels is by using a thermostat. This can be a simple room thermostat that regulates the temperature in a specific area or room.

The thermostat measures the room temperature and turns the panels on and off to maintain the set temperature.

The thermostat allows you to set a schedule for when the ceiling heating should be turned on or off, for example, during working hours or when the room is in use.

Heatit Pro



THROUGH A SMART HOME SYSTEM

Many modern ceiling heating systems can be connected to smart home solutions for more advanced control.

Smart home systems via a gateway or the MyHeatit App can automate heating based on sensors, weather data, or other smart home devices.

With a gateway, the system can automatically lower the temperature when the building is empty and raise it when people return.

- FIBARO Home Center 3 or Home Center 3 Lite
- Heatit Z-TRM6 or Heatit Z-Temp3 thermostat
- Heatit ZM Single Relay

Through the MyHeatit App on your smartphone or tablet, you can adjust the temperature of the ceiling heating panels, turn them on or off, or set up schedules. This can be done with the Heatit WiFi6 thermostat.

This provides you with the flexibility to control the heating even if you are not physically present.

Heatit WiFi6



WITH A CENTRAL CONTROL SYSTEM / BUILDING MANAGEMENT SYSTEM

Ceiling heating panels can be controlled individually in different zones, which is useful in large buildings such as warehouses or sales halls. With zone control, you can manage which parts of the building should be heated, allowing you to maintain different temperatures in different areas of the building according to your needs.



HOW DOES CEILING HEATING WORK?

Ceiling heating works by radiating heat in a manner similar to how light spreads. This type of radiation is low-temperature and heats all surfaces it encounters, which then transfer the heat to the surrounding environment.

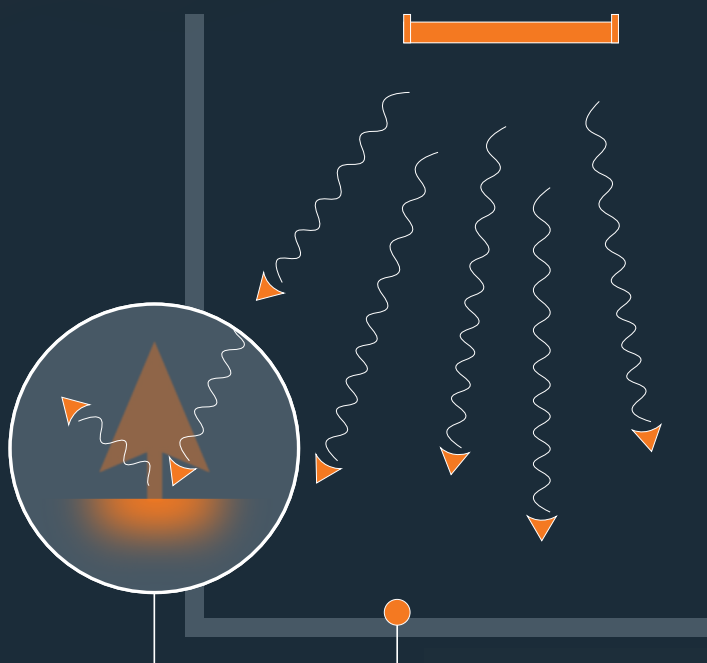
Over time, different temperatures on various surfaces in a room will equalize, leading to a consistent temperature distribution between the floor and ceiling.

Surfaces exposed to radiant heat will reach a higher temperature compared to traditional heating methods.

As a result, the room temperature can be lower without affecting comfort levels, similar to how underfloor heating allows the indoor temperature to be reduced by a few degrees while keeping feet warm.

Ceiling heating panels are particularly effective against cold drafts from windows, as the radiation does not penetrate the glass but instead heats the glass itself.

A real comparison shows that it is possible to achieve approximately 30% energy savings compared to other heating systems.



*A process where heat or fluid transfers energy by moving from an area of higher temperature to an area of lower temperature.

1

Heatit RCH ceiling heating emits heat rays towards all surfaces in the room which has a lower temperature.

2

The heat rays hit the cooler surface and heat it up, while part of the heat is reflected further.

3

The process results in an increase in temperature. As it increases, the surface emits heat through convection* to other cool surfaces.



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