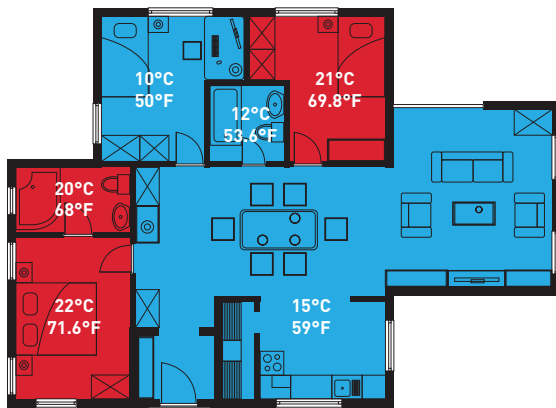


## NUHEAT VS. BASEBOARDS

As technology in the Electric Floor Heating industry continues to evolve, the practicality of electric floor heating systems and their ability to heat by zones continues to emerge. Now, electric floor heating systems like Nuheat have come forth as viable and practical alternatives to traditional electric baseboard heaters.

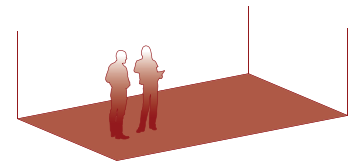
Using zone heating as a practice is inherently efficient because it targets specific living areas, allowing their temperature to be individually controlled. By controlling the temperature of specific areas instead of the whole living space, energy consumption is greatly reduced and heating quality remains the same. By the virtue of its installation method, Nuheat is encased in a thermal mass (thinset layers above and below the Nuheat system). This thermal mass retains and stores the heat emitted by the system. Even after Nuheat is turned off, this thermal mass continues to feel warm and emit its stored heat.



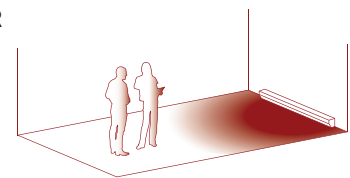
Example of zone heating

By controlling the temperature of specific areas instead of the whole living space, energy consumption is greatly reduced. And this efficiency doesn't come at the expense of heating quality. Traditionally, electric baseboard heaters are installed according to the rule of thumb that each room should be heated by 34 BTU (British Thermal Units) per square foot (given average insulation). Nuheat produces over 41 BTU per square foot.

NUHEAT  
**41**  
BTUs per sq ft



BASEBOARD HEATER  
**34**  
BTUs per sq ft



Instead of heating and reintroducing warm air into a room, Nuheat directly heats the occupants of a room through conduction, the process of transmitting heat, as well as by controlling the air temperature by introducing heat directly to the room. Because this heat emanates from the entire floor surface, the heat is even, consistent and most concentrated at up to six feet above the floor. This translates into consistent comfort despite a cooler ambient air temperature.

Traditional baseboard heaters are unsightly and protrude from the wall anywhere from 4" to 5", taking up valuable space. Nuheat, on the other hand, is a nearly invisible product, tucked neatly beneath the flooring surface, meaning the only visible aspect of the system is the thermostats, which are modern and aesthetically pleasing. Nuheat allows complete freedom for decorating, while maintaining a comfortable room temperature.

Before you start, confirm the baseboard is on a dedicated circuit (Nuheat requires a dedicated circuit). If the wattage of Nuheat Mat is greater than that of your baseboard heater, ensure the total load will not exceed breaker size. With that taken care of, Nuheat is ready to be a trusted heating source in your house or building. Visit our Learning Centre to access instructions on how to replace your baseboard heater with Nuheat.

## FREQUENTLY ASKED QUESTIONS

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Q: Can I use Nuheat to replace my electric baseboard heaters?

A: Yes, Nuheat produces 12 watts per square foot (41BTUs per square foot) and can easily heat most rooms.

Q: Does Nuheat use more electricity than electric baseboard heaters?

A: No! Any properly sized electric heating device will require the same amount of electricity to maintain or change a room's temperature.

Q: Can I use Nuheat to replace my water radiator?

A: Yes, Nuheat is a viable alternative to water radiators. Invisible and maintenance-free, Nuheat is an easy heating replacement during renovations.

Q: Will Nuheat heat the whole room or just the floor?

A: The whole room! Nuheat transforms the entire floor area into the room's heat source – guaranteeing even, consistent heat.



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Nuheat-AR-H60331-NuheatvsBaseboards-EN 18/05