

Electric Floor Heating Systems

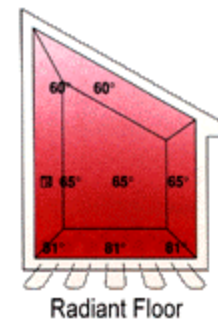
Using the concrete floor of a building as a radiant heat source is recognized as one of the most comfortable and convenient forms of heating.

How they work

Storage or floor heating is an electric heating alternative that uses a buildings foundation and the ground below it to store heat. Electricity is converted to heat using a specially designed electrical resistance cable buried in a sand bed beneath the floor or by water pipes that move hot water through the concert floor. The stored heat, contained in the storage reservoir, radiates through the slab into the interior of the building.

Types of Systems

Typically there are two types of floor heating systems. One system uses specially designed cable that is buried in a sand bed beneath the concert floor. The second uses an electric boiler to heat water that is circulated through special pipes that are incased in the concert floor. Both systems require that the perimeter of the building be insulated down to a depth of 4 feet. This keeps the heat where you want it, warming your floor. Floor heating systems do not require any ductwork or exhaust fans.



Clean Savings

Electric floor heating options are 100% efficient and they typically are less costly to operate than a propane or fuel oil furnace, which operates in the 60-80% efficiency range. Electric floor heating systems qualify for a special electric heating rate from Verendrye.

Rebates and Financing

Rebates based on system size and low interest financing are available from Verendrye for the purchase and installation of an electric floor heating system. Call our member service department at 1-800-472-2141.