

## EDGE SEALING TAPE



It is critical to seal any cut that is made to the gray area of the Heating Film. The Edge Sealing Tape comes in one length (42 inches), but in two different widths, 4.8 inches wide and 2.4 inches wide. The wider Edge Sealing Tape (4.8 inches wide) is used to seal the edge of the Heating Film to which the wiring Harness, or Adder is attached. The narrower Edge Sealing Tape (2.4 inches wide) is used to seal any cut edges where there is no attached wiring Harness, Adder, or any other cuts (including holes cut in between the copper bus bars) that have been made to the Heating Film during the installation process. The Edge Sealing Tape is a highly-adhesive fleece-backed butyl tape. The fleece backing that is the same as that used on Carbonic Heat Film, making the Edge Sealing Tape compatible with all types of adhesives.

**REMEMBER: THE EDGE SEALING TAPE MUST BE USED ON ANY GRAY EDGE, OR GRAY AREA OF THE HEATING FILM THAT HAS BEEN CUT.**

## THERMOSTATS

Carbonic Heat offers a variety of direct line voltage thermostats in both programmable and non-programmable models. All Carbonic Heat thermostats in the United States are GFCI-protected (required by the NEC). Each thermostat includes a floor sensor, which Carbonic Heat requires for each installation. Each thermostat senses both ambient air and floor temperatures, enabling installers to set the floor temperature to the flooring manufacturer's desired set point, along with maximizing the potential comfort of the room's environment. The maximum load allowed on a standard thermostat is 15 amps. The maximum amount of total Heating Film allowable per circuit translates to the following:

**110-120VAC: 31.25 LINEAR FT = 100 FT<sup>2</sup> PER ZONE (1 THERMOSTAT)**  
**220-240VAC: 62.5 LINEAR FT = 200 FT<sup>2</sup> PER ZONE (1 THERMOSTAT)**

Installations that require a larger amount of Heating Film per thermostat (over 200 square feet per zone) will require the use of a "master" thermostat that controls a "slave" power unit. Up to 2000 square feet of Heating Film can be installed and combined using 10 slave units. Up to 10 Slave Units can be controlled by one Master Thermostat.