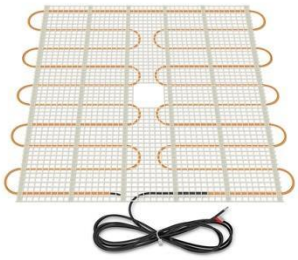
ThermoShower™ Mat

Installation Guidelines

Installation shall be made in accordance with the National Electric Code, NFPA-70. Final acceptance is to be made by the Authority Having Jurisdiction (AHJ).

ThermoShower™ is manufactured to be waterproof and may be installed in shower applications by following these installation instructions and all local and national electric codes.



It is highly recommended to connect InstAlarm® during the installation to warn about accidental damage to the heating or lead wires.

1. Verify that **ThermoShower** fits the shower floor and drain location. Mesh can be cut to make minor adjustments in fit. **DO NOT CUT HEATING WIRE**. Free-wire (heating wire free of mesh) can be used to make transitions or adjustments as long as minimum 2" spacing is maintained between heating wires. Maintain a soft turning radius when flexing the heating wire to insure that the heating wire is not severely creased at a 90 degree angle. Attach mat or heating cable to the subfloor using hot glue or thin strips of duct tape.

2. Install floor thermostat sensor wire by weaving the sensor probe in **ThermoShower's** mat mesh evenly spaced between two heating wires.

3. Never make a field splice or repair to any section of the mat installed inside the shower area; serious hazard could result.

4. Completely embed **ThermoShower** mats and lead wire including connection in minimum ½" thick thin-set mortar with no air gaps.

5. Install/apply a water-proof membrane above the imbedded heating mat following the membrane manufacturer's instructions. Membranes should add negligible R-value.

6. Check heating mat electrical resistance at all intervals during the installation using an Ohmmeter or multimeter. Contact Thermosoft technical support if heating mat resistance is more than ±10% of the factory resistance marked on the label.

7. Install ceramic tile, marble, porcelain, stone or other masonry surface.

8. The thermostat or other control must be located at least 4' away from shower openings so the thermostat or control is not exposed to water or within reach of a person taking a shower. Lead and sensor wires can be extended if required to reach the thermostat location but FIELD SPLICES CANNOT BE LOCATED IN THE SHOWER.

9. Connect the mats to a Class A (5mA GFCI) thermostat (or separate Class A GFCI in the circuit).