



Floor Warming and Heating Systems

## CHECKLIST FOR INSTALLING FLEXTHERM PRODUCTS

### GreenCableSURFACE + GreenCableMAT

- Mechanical joint fixed to the floor.
- Regular spacing of 5 cm, 7.6 cm or 10 cm (2", 3" or 4") depending on installation needs.
- Minimum distances: 5 cm (2") from a wall; 2.5 cm (1") from fixed furniture, bath or shower; 15 cm (6") from toilet drains and 20 cm (8") from any wall-mounted heating system.
- No crossed cables.
- No cable under fixed furniture.
- No cable under, on or in a wall.
- Cables are installed in linear runs of less than 3 m (10').
- Cables are installed with FLEXTHERM Universal Snap-in Gauges (Green Cable Surface only or the FLEXSnap installation system).
- If you are heating a shower, the cable must be separate from the cable used in the rest of the room.

### Floor Probe installation

- Centered between two heating cables.
- 30 to 60 cm (1 to 2 feet) inside the heated zone.
- Away from any other heating or cooling sources (sun, cold or hot water pipes, etc.).

### Thermostat

- 1 m (3' 3") away from a bath or a shower.
- 15 A maximum, otherwise use the expansion units.
- 1 per room with a door.
- Dedicated circuit for heating.

### GreenCableCONCRETE

All of the previous points are applicable as well as the following.

### Mesh installation

- To minimize heat loss, lay an R-10 high density incompressible insulating material over a leveled bed of crushed stone, gravel or sand.
- Use a minimum 6 caliber mesh.
- Choose the mesh according to the designated cable spacing of 10 cm or 15 cm (4 or 6 inches).
- The mesh squares must be aligned and the sheets must overlap by a complete square.
- Solidly secure the sheets to one another every foot, avoiding bumps that can damage the cable.
- Place the mesh on bricks or shims spaced at a maximum of 60 cm (24") from each other, so that it is level and reaches the designated height.
- The cables must end up 5 cm (2") from the surface.

### Cable installation

- The cable must always follow the mesh.
- Fasten the cable to the mesh, using the FLEXTHERM adhesive tape.

### Safe practices while pouring the concrete

- Always use a concrete pump.
- The use of a wheelbarrow is prohibited.
- Always lay the concrete pump joints over a styrofoam panel, reinforced with plywood on top, to prevent damage to the cable.
- Always use smooth scrapers to spread the concrete over the mesh.

### FLEXSnap

- Installation with FLEXTHERM Green Cable Surface only.
- Installation is only compatible with ceramic and porcelain.
- Must be installed on a plywood sub-floor laid on joists spaced at 40 cm (16") on center or less.
- The plywood subfloor must be 16 mm (5/8") exterior type tongue-and-groove.
- Always use a mortar that is compatible with the FLEXSnap system (a complete list is available on the FLEXTHERM website).

Note: This tool is a guideline and a quick verification list. Always refer to the FLEXTHERM products installation guides for the complete details.

