

## How to Install the Cable System with Prodeso Membrane

Using the Prodeso Cable Membrane is the easiest way to install the cable floor warming system. The membrane has “pegs” with grooves that allow you to easily run the heating cable throughout the membrane. The cable can easily be pulled up and re-routed if necessary. The grooves also protect the wire during installation. This allows you to install your floor heat and tile in the same day. The Prodeso Cable Membrane is an uncoupling membrane (tile crack prevention) and eliminates the need for backer board.

### What You Need:

- Prodeso Membrane
- Floor Heating Cable
- Installation monitor
- Digital multi-meter
- Notched trowel
- Flat trowel (optional)
- Knee pads or kneeler board
- Latex-modified thinset
- Unmodified thinset
- Mixer and mixing buckets
- Tile or stone flooring

### Step 1: Prepare the subfloor

Make sure the floor is thoroughly cleaned and free of any debris. Remove any loose nails or staples in the subfloor and make sure there is no oil or grease on the floor that could prevent the membrane from adhering properly.

### Step 2: Measure and cut

Measure the area you plan to heat and cut the Prodeso Membrane accordingly. You can layout the Prodeso to make sure it fits properly before adhering it with thinset.

### Step 3: Spread latex-modified thinset

If you have a cement or wood subfloor, use a latex-modified thinset to adhere the Prodeso Membrane to the subfloor. Use a ¼” notched trowel.



#### **Step 4: Adhere the Prodeso Membrane to subfloor**

After you have spread the thinset, layout the pre-cut pieces of membrane by pressing them down with a plastic flat trowel or roller. Now it's time to install the heating cable.

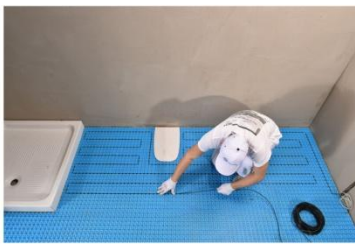
#### **Step 5: Test the heating cable**

Use a digital multi-meter to confirm ohm resistance is within the range listed on the white label. This is explained on page 3 of the installation manual.

#### **Step 6: Connect heating system to installation monitor**

Connect the heating cable to the installation monitor. The monitor will sound an alarm if the cable is accidentally damaged during installation.

#### **Step 7: Layout the heating cable**



Start by placing the 10' silver cold lead where the thermostat is. This will be connected to the thermostat later. Our floor heating system is based on 3" spacing. We recommend spacing the wires alternating 3 pegs/ 2 pegs for an average of 3" spacing throughout. If necessary, you can space the wires every 2 pegs. The wires can't touch or overlap. When you are done installing the cable, lay the floor sensor between two of the red heating wires (it can't touch the red heating wire). The temperature sensor should be at least 6" from the edge of the heated area and it connects to the thermostat.

#### **Step 8: Apply unmodified thinset**

Before applying the thinset, test the ohms of the heating system to confirm they are still within the correct range. Using a notched trowel, spread unmodified thinset over the top of the membrane. It's important to use unmodified thinset to ensure that the thinset cures properly and quickly.

#### **Step 9: Install the tile or stone flooring**

Lay the tile or stone floor quickly after spreading the thinset to guarantee good adhesion.

#### **Step 10: Test the heating system**

Again using a digital multi-meter, test the heating system one final time to confirm the ohms are within the correct range. If they are, install the thermostat and enjoy your new warm floor!

For more detailed instructions please refer to the Prodeso Cable Membrane Installation Manual.