

Installation guide...

Clean floor and remove all loose particles and any sharp protrusions. Fill any holes with 1:3 mixture of sand and cement.

If laying onto a foil backed insulation make sure the area is completely dust free to enable a strong fix.

We recommend drawing a plan of the room to show where Thermoduo heating cable is to be installed, indicating the position of the floor sensor and thermostat.

Attach the Galvanised fixing profile to the sub-floor or insulation using cable staples or high grab adhesive tape. The Galvanised Fixing Profile should be evenly spread across the floor at 750mm intervals. A 75mm border should be left around the room perimeter. Do not remove the cable from the drum before laying as it can twist and complicate installation.

The heating cables should be checked **BEFORE INSTALLATION** to ensure the resistance and insulation integrity matches factory resistance printed on the cable label.

The heating cable is then laid in an "S" configuration and fixed in place with the clips on the Galvanised Fixing Profile.

The cable must be evenly spaced for the Thermoduo system to perform at its best.

Cable Spacing Calculation:

Measure the area to be heated, establish cable length and output. Use the formula below to work out the cable spacing required.

$$\frac{\text{FLOOR AREA} \times 100}{\text{TOTAL CABLE LENGTH}} = \text{CABLE SPACING cm}$$

Example:

Kitchen floor = 27.8 sqm heated area

Thermoduo cable = 2800watt - 140m cable length

$$\frac{27.8 \times 100}{140} = 19.8 \text{ cm}$$

The floor temperature sensor should be installed within a conduit kit and be positioned between two runs of heating cable to ensure an average floor temperature is recorded.

Once laid the cable should be covered with a 50mm layer of sand and cement screed and allowed time to cure fully - see manufacturers' guidelines.

NEVER:

Cut or shorten heating cable
Allow cables to cross each other
Bend or strain cold tail joint

ALWAYS:

Protect circuit with a suitably rated RCD
Have electrical connections checked by a qualified electrician
Allow screed to fully cure before testing