



UNDERFLOOR HEATING

Commissioning protocol

SpeeTile System

1/3

Commissioning of WARP Systems SpeeTile heating system.

These operating instructions apply to an open plastic distributor with pump unit. If you have an open plastic distributor without a pump, start at step 5. Then set the temperature steps to the primary heat source. Depending on the ambient temperature, the heating protocol for the SpeeTile system with the SpeeTop filling compound can be started after 48 hours if the temperature is above 15°C or after 72 hours if the temperature is below 15°C. (see step 5).

N.B.: The finishing layer supplier may prescribe a longer period before the heating system may be commissioned. Therefore, always consult the supplier of the top layer before you start. When applying to walls or ceilings, ask the plasterer about the drying times of plaster or mud plaster before you start the heating protocol.

Commissioning protocol

Do not perform the following steps until after the above period:

1 Turn the thermostatic valve (A) on the distributor or pump unit to the lowest position.

2 Insert the pump's plug in the power socket.

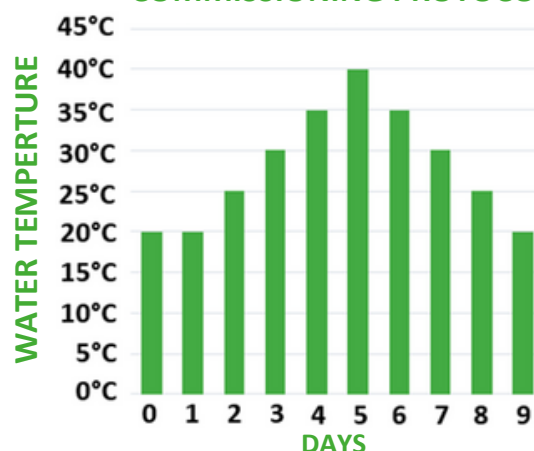
3 Check that the pump is running. You can see lights on the side of the pump. To set the pump unit correctly, use position A, B or C depending on the number of groups on the distributor in combination with position E. Position D is not used. The left three options on the pump unit are also not used. The grey button on the front of the pump unit can be used to change position. First make sure that position E is selected and then choose option A, B or C according to your own situation. The red float indicator ring (C) in the glass tubes of the flow meters gives a result (standard between 0.5 and 2 L/m).

4 You can set the water temperature of the underfloor heating with the thermostat head (A) mounted on the pump unit and read it on the thermomanometer (B).

5 The first time the system is put into operation, the water temperature must be increased step by step; start with 1 day at 20 °C.

Then increase the set water temperature by 5 °C every day until the temperature on the thermomanometer indicates about 40 °C. Then reduce the temperature from 40 °C to 20 °C by 5 °C per day. N.B.: If the supplier prescribes a maximum temperature of the finishing layer, you must take this into account when setting the water temperature of the heating system. Take account of the fact that the room thermostat does require heat from the primary heat source (central heating boiler or heat pump) in order to supply hot water to the heating system. You can do this by setting the room thermostat to a higher temperature than the current room temperature.

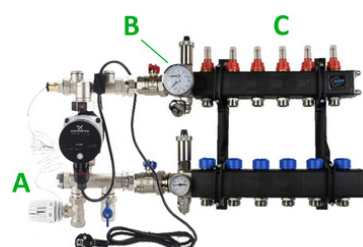
COMMISSIONING PROTOCOL



Positie A: verdelers tot én met 4 groepen

Positie B: verdelers van 4 tot én met 7 groepen

Positie C: verdelers vanaf 8 groepen



THIN



QUICK



LIGHT



WATER



SUSTAINABLE



UNDERFLOOR HEATING

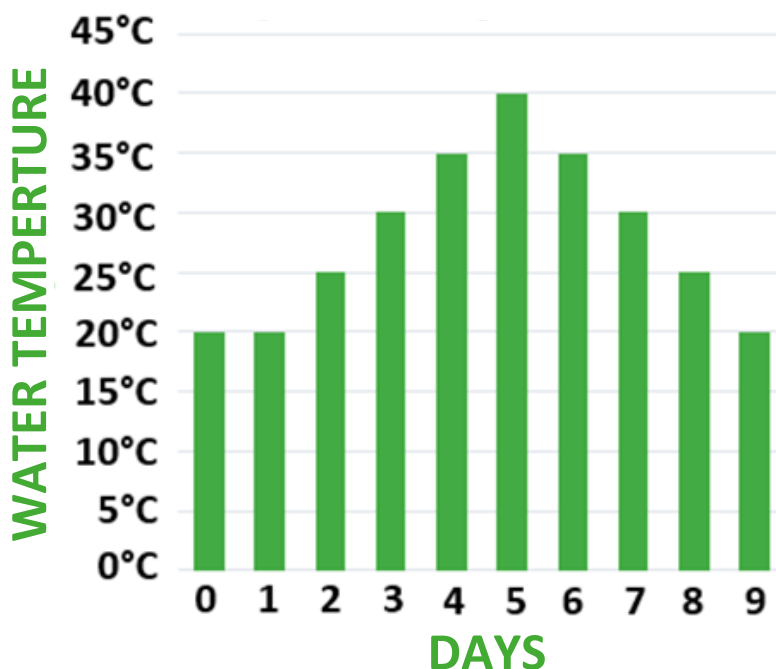
Commissioning protocol

SpeeTile System

2/3

- 6 If there are still radiators in the same room, set the thermostatic valves on the radiators 3 °C lower than the desired room temperature (for example 21 °C - 3 °C=18 °C). If you do not do this, the floor, wall or ceiling heating will not heat up because the radiators will heat up the room so quickly that the central heating boiler will stop before the floor, wall or ceiling heating has warmed up. If your living room radiators lack thermostatic valves, you'll need to manually adjust or shut them off as much as possible.
- 7 After the heating has been in use for a few days, the distributor must be properly vented. You can do this with the automatic air vents on the distributor. Also, any radiators present must be vented again. By venting, the pressure in the system will decrease.
- 8 In the first two weeks after the installation of the heating, check regularly that the pressure of the primary heat source is at the required level. If the pressure is too low, the pressure must be increased to the desired level for the primary heat source to function properly. If the pressure is too high, you will have to drain water.

COMMISSIONING PROTOCOL



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Problem solving guide

SpeeTile System

3/3

The pump does not have any lights

- Check that the plug is properly inserted in the socket.
- Check that the pump works.

If the above is in order:

The maximum protection may be enabled. If the distributor gets too hot ($>50^{\circ}\text{C}$), the maximum protection is activated. The power supply to the pump is then interrupted. When the distributor cools down, the pump will automatically switch on again.

Causes for too hot a distributor:

The temperature of the thermostat knob is set too high, the central heating supply and return pipes are reversed, the thermostat head is not properly mounted, the thermostat head or the thermostat valve are defective. Possible cable breakage: contact us or the distributor manufacturer.

The flow meters give no indication

- Check that the pump works.
- Check whether the relevant groups are open (blue cap on the back must be unscrewed).
- Check if the flow meters are open. (Slide the red ring up and turn off the flow meter).
- No result: Contact us or the distributor manufacturer.

No heat output

- No heat demand by room thermostat: set the thermostat higher to create heat demand
- Pump is not running: Check flow meters indication.
- No or insufficient supply of hot water:
 - Correct diameter of supply and return lines?
 - Is the supply temperature from the central heating set at 60°C or higher?
- No result: Contact us or the distributor manufacturer.

Primary heat source pressure is too low

In the first two weeks after the installation of the heating, check regularly that the pressure of the primary heat source is at the required level. If the pressure is too low, the pressure must be increased to the desired level for the primary heat source to function properly. If the pressure is too high, you will have to drain water.



THIN



QUICK



LIGHT



WATER



SUSTAINABLE