

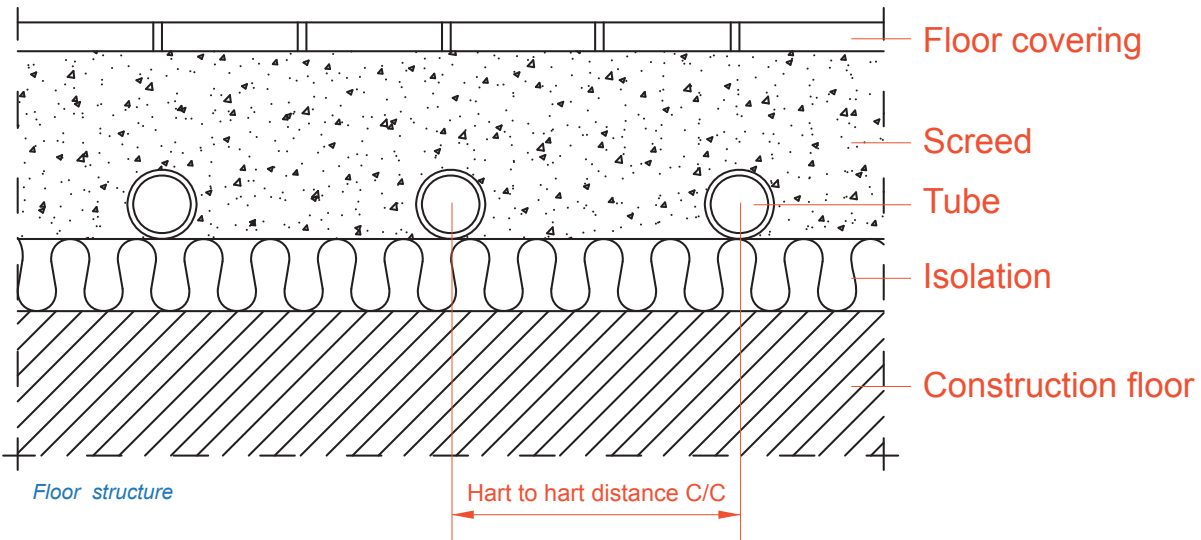
**supplying data for buildings
with an utility function**

For only a tube layout drawing fill in pages 1, 2 and 3
For only a heat loss calculation fill in page 2 (only T area [°C]) and page 4
For a tube layout drawing and a heat loss calculation fill in all fields

If certain values or details are unknown, average values will be used.

Supply a drawing in a DWG or DXF extension. If you don't have these, a PDF can be converted to a DWG file or the PDF can be used as an underlayer. A JPG (or another pixel extension) can also be used as an underlayer.

Supply water temperature [°C]	<input type="text"/>
Screed type (cement, seamless floor, other ...)	<input type="text"/>
Screed thickness [cm]	<input type="text"/>
Tubes diameter [mm]	<input type="text"/>



Remarks or comments

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Rooms	C/C [cm]*	T room [°C]	type floor covering

* If there is also a heat loss calculation to be made this field can be left open. These centre distance will be determined based on the heat loss calculation.

Office function, education function, etc.	°C	Nursing -and health function	°C
Living area	20	Living area	22
Bathroom	22	Bathroom	25
Toilet	15	Toilet	18
Technical area	10	Technical area	18
Unnamed	10	Unnamed	10
Storage	10	Storage	10

Table with common / average values of roomtemperatures in °C

Remarks or comments

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Name the positions of the manifold(s) if they are not shown on the drawing:
How many groups can be used maximum on one manifold?

- Supply- and returnpipes always through doorways
- Always the shortest way for supply- and returnpipes (cutouts through walls)
- The shortest way for supply- and returnpipes but where possible trough doorways

Are there edge zones applied? yes/no | If yes, where?

- Bifilar / Snail pattern
- Spiral pattern

- There is no floor cooling to be used
- There is floor cooling to be used

Remarks or comments

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Is there a downgraded ceiling? **yes/no**
If yes, is this more or less open than 20% of the total area? **more/less**

Is there ventilation to be used? **yes/no**
If yes, choose one of the possibilities below:

- Natural supply/natural extraction
- Natural supply/mechanical extraction
- Mechanical supply/natural extraction
- Mechanical supply/mechanical extraction

Is the ventilation air pre-heated? **yes/no**
If yes, what is the supply temperature of the ventilation air?

Is there a night setback applied or a continuous operating system?

What kind of temperature control is there to be used:

- One central controller, In which room?
- Individual zone control per room

Enter the Rc Values for the different partitions walls

Partition wall	Rc value
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
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