

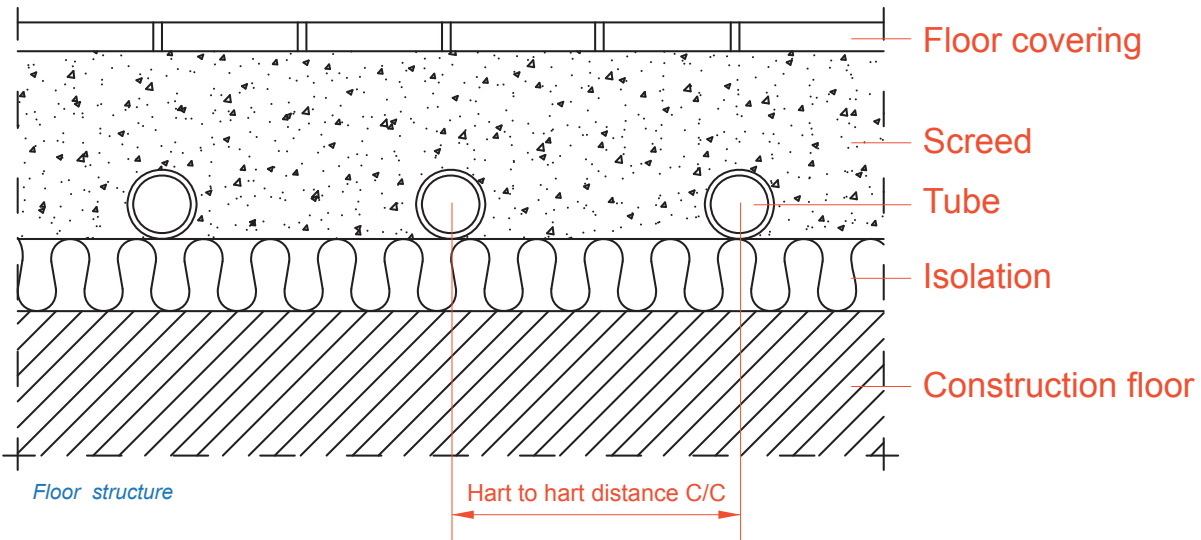
supplying data for buildings with an industrial function

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]), 4 and 5
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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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 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

What kind of temperature control is there to be used:

- optimizing control
- Not optimizing control with natural ventilation
- Not optimizing control with mechanical ventilation

Is there a discontinuous flow of material having a lower temperature? **yes/no**
If yes, what material and with which mass?

Is there heat gain of:

Continuous transit of hot products through space? **yes/no**
If yes, what is the average surface and surface temperature?

Heat generation by processes? **yes/no**
If yes, what is the electrical power?

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Is there heat loss by local suction? **yes/no**
If yes, what is the flow rate of the exhaust air?
which is the temperature of the supplied air?

Is there any heat loss to cold surfaces? **yes/no**
If yes, what is the surface area and the average surface temperature?

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Enter the Rc Values for the different partitions walls

Partition wall	Rc value

Remarks or comments

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