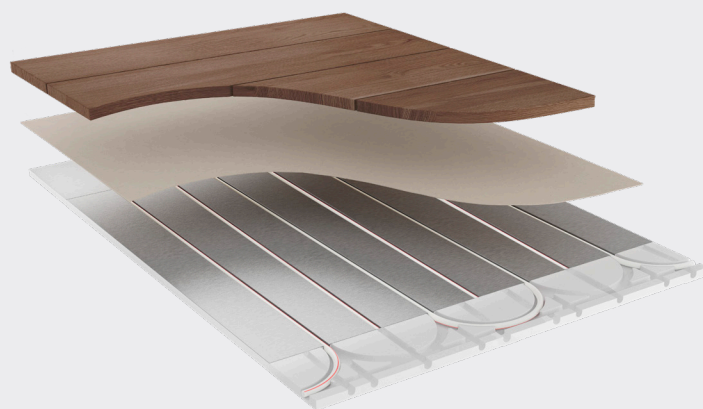


**Roth QuickTemp
Universal plate EPS 30**

16 & 20 mm

Installation



Living full of energy

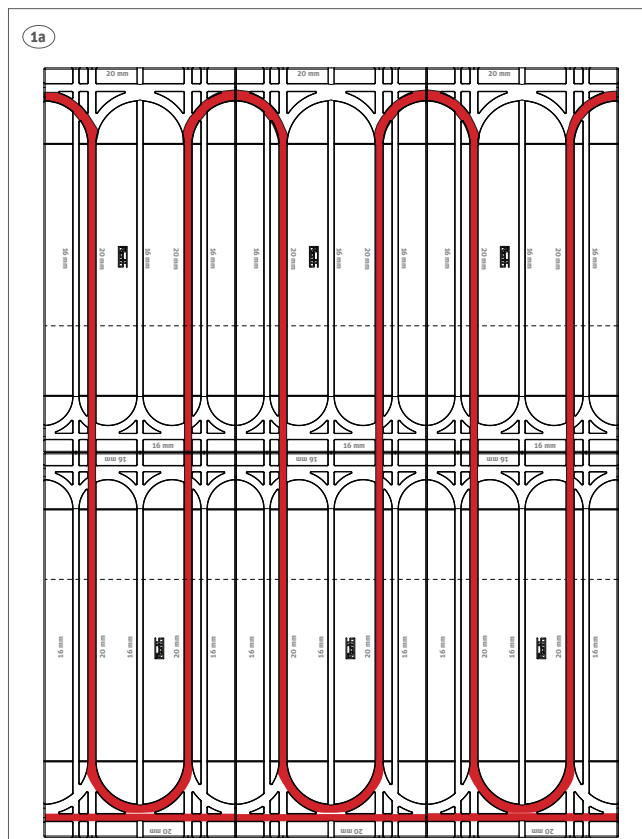
Roth QuickTemp Universal Plate EPS 30

Roth QuickTemp Universal Plate EPS 30 can be applied to virtually any type of substrate, provided it is stable and load-bearing. It can be concrete and wood structures or on other high density insulation. It is possible to use two sizes of pipe with the Roth QuickTemp Universal plate EPS 30 system, either 16 mm or 20 mm and possibly a combination of these.

See picture 1b.

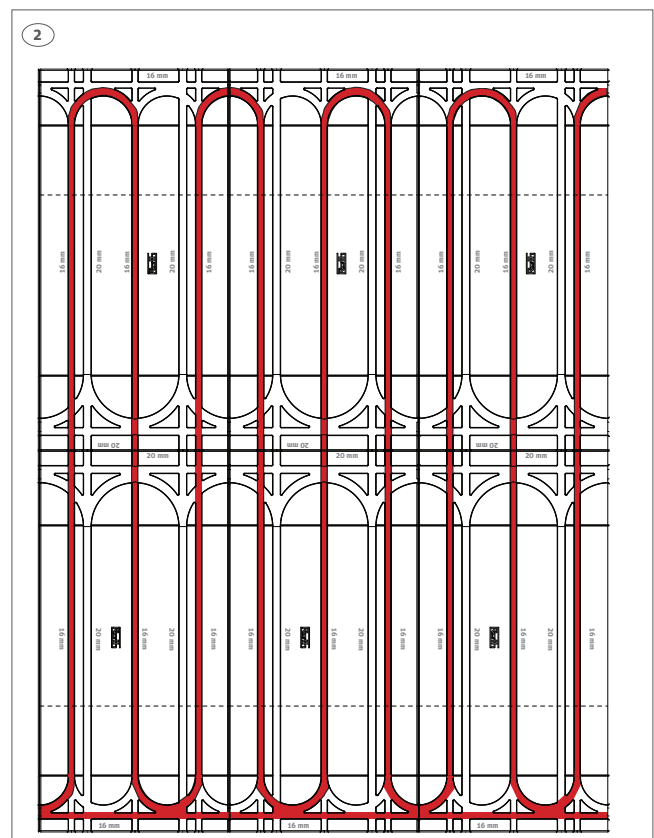
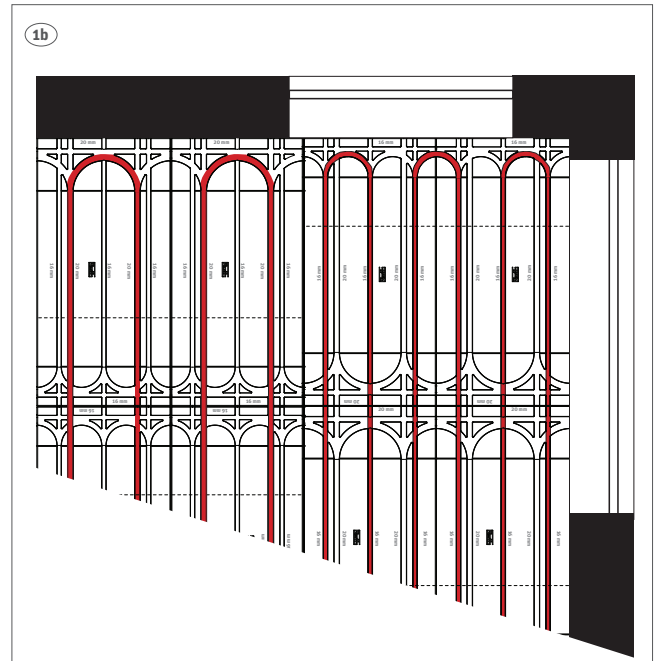
Step 1

The floor must be cleaned swept/vacuumed before starting to install Roth QuickTemp Universal Plate EPS 30. Make sure that the floor is level. Image 1a is shown as \varnothing 20 mm pipe C/C 300mm.



Step 2

When laying out the panels, select the desired pipe dimension that you want to work with. This is marked by all tracks and turns. For example, if you choose 20 mm with a pipe spacing of C/C 300 mm, be aware that the end of the panel marked with 20 mm must be the end that sits along the wall. The same of course applies to 16 mm with pipe spacing of C/C 200 mm. The plates can be trimmed with a knife using markings on the back. Image 2 is shown as \varnothing 16 mm C/C 200 mm.



Roth QuickTemp Universal Plate EPS 30

Step 3

Once the Roth QuickTemp Universal Plate EPS 30 system panels are laid out, you can begin to fit the heat distribution plates. The plates are laid in the grooves with a spacing of 10 - 20 mm. It is clearly marked on the Roth QuickTemp Universal plate EPS 30 system, where the laying of the heat distribution plates must end. The heat distribution plates can be shortened using the markings on the plates. You should not use cutting tools as this can cause burrs in the pipe grooves.

Step 4

Piping is performed according to the chosen laying pattern in the selected pipe dimension.

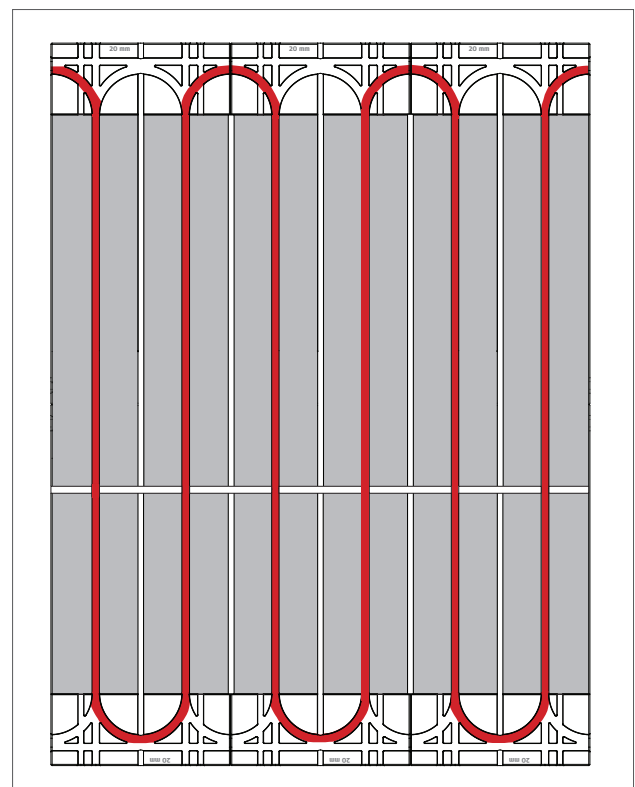
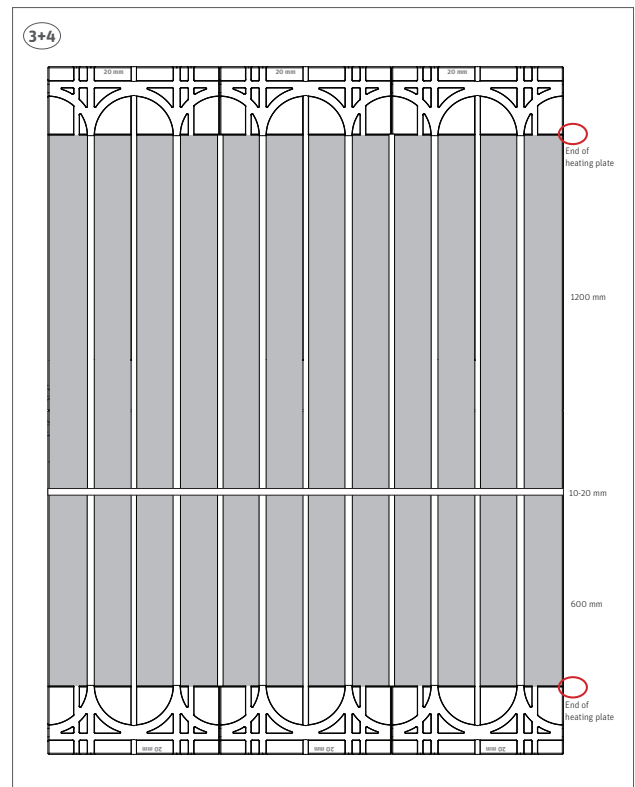
General structure

Laying of floorboard or floor foam can now be carried out according to the floor manufacturer's instructions. When laying wood floors, we recommend that it be laid across the pipe direction. Check the recommended wood floor thickness according to the manufacturer's instructions, our data sheet and applicable legislation.

Roth QuickTemp Universal Plate EPS 30 can be used with several makes of floor and sub floor. We always recommend contacting the supplier for advice and support regarding the correct construction. If the floor is to be tiles/stone, we recommend using Fermacell 25 mm floor elements (or similar).

Example: Structure with Fermacell 25 mm floor element

Roth QuickTemp Universal Plate EPS 30 can also be used in connection with tiles, carpets or vinyl. If the floor is to be tiles/stone, we recommend using Fermacell 25 mm floor elements. For tiles, the floor must be sufficiently rigid. This can be achieved by building on concrete or 22 mm chipboard / 19 mm plywood, laid on joists at 300 mm centres. Before starting installation, we always recommend that you contact Fermacell for advice and support on proper construction.



Roth QuickTemp Universal Plate EPS 30

Technical Data

	339314.030
Sizes	Height 30 mm, Width 600 mm, Length 1200 mm
Area/panel	0,72 m ² 1 pack = 8,64/m ²
Heat distribution plates	2 pieces with C/C 300 mm 3 pieces with C/C 200 mm
Material	30 mm expanded polystyrene, Density 33 kg/m ³ , Compressive 250 kPa
Insulation properties	0,033 W/m K
Usage per m ²	1.40 panels
Pipework per m ²	3,3 m for 20 mm & 5,0 m for 16 mm
Over Floor min. thickness	14 mm wood (Consult the wood flooring supplier on product suitability)
Weighted step sound attenuation of the floor construction	$\Delta L_w = 18$ dB
Improved air sound insulation	$\Delta R'_w = 1$ dB

Accessories:

Roth QuickTemp Heat distribution plates for 16 mm:	Product code: 339217.116 180 x 1200 x 0,5 mm
No. of plates:	4,0 pieces per m ²

Roth QuickTemp Heat distribution plates for 20 mm:	Product code: 339217.320 280 x 1200 x 0,5 mm
No. of plates:	2,7 pieces per. m ²



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