Roth QuickTemp Universal Plate EPS 30/16 and 20 mm

Roth QuickTemp Universal plate EPS 30 can be used for all types of construction. The EPS 30 panels can be laid on stable substrates of concrete, wood, etc., but also on other insulation. With the system you get an energy efficient floor heating system with a high degree of comfort and which meets the requirement for low, energy-efficient flow temperatures.

Technical description

Roth QuickTemp Universal plate EPS 30 system consists of high density EPS insulation with grooves and associated heat distribution plates in aluminum. The EPS insulation contains fire retardant material.
The Roth QuickTemp Universal Plate EPS 30 has a universal pipe guide allowing the same panel to be used for both 16 and 20 mm pipes. The panels have integrated turning loops at each end.

Roth QuickTemp Universal Plate EPS 30 can have zones with pipe spacing of 300 mm and areas with pipe spacing of 200 mm close to the windows. The system ensures a fast and energy-efficient reaction time with a high degree of comfort.

The panels have high compressive strength and can be used for both residential and public buildings.
The panels are provided with cut lines C/C 50 mm on the back which makes it easy to cut the panels to size and straight with a knife.

Technical data

Product code	339314.030
Plate size	height 30 mm, width 600 mm, length 1200 mm
Area/panel	0,72 m²
Heat distribution plates	1 pack = 8,64/m² 2 pieces with C/C 300 mm 3 pieces with C/C 200 mm
Material	30 mm expanded polystyrene, Density 33 kg/m³, Compressive Strength 250 kPa
Insulation properties	0,033 W/m K
Usage per m²	1,40 panel
Pipework per m²	3,3 m for 20 mm & 5,0 m for 16 mm
Over Floor min. thickness	14 mm wood/laminate (Consult the wood flooring supplier on product suitability)

The weighted step sound attenuation
of the floor construction $\Delta Lw = 18$ dB

Improved air sound insulation $\Delta R'w = 1$ dB
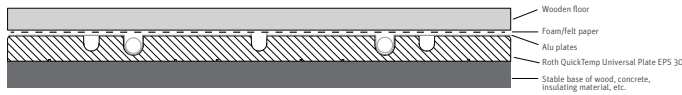
Roth QuickTemp Heat distribution plates for 16 mm:

Product code	339217.116
Plate size	180 x 1200 x 0,5 mm
No. of plates:	4,0 pieces per m²

Roth QuickTemp Heat distribution plates for 20 mm:

Product code	339217.320
Plate size	280 x 1200 x 0,5 mm
No. of plates:	2,7 pieces per m²

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General structure

Wooden floor
Foam/felt paper
Alu plates
Roth QuickTemp Universal Plate EPS 30
Stable base of wood, concrete, insulating material, etc.

Roth QuickTemp Universal Plate EPS 30 can be used with several types 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

Tiles
Tile adhesive/glue
Fermacell 25 mm floor element
Alu plate
Roth QuickTemp Universal Plate EPS 30
Stable base of wood or concrete
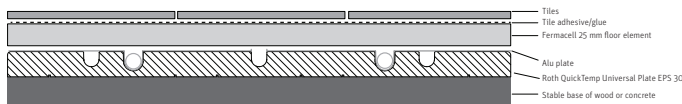
Roth QuickTemp Universal Plate EPS 30 can also be used in connection with tiles, carpets or vinyl. If the floor is to be tiles/stone, we recommend using Fermacell 25 mm floor elements.
For tiles, the floor must be sufficiently rigid. This can be achieved by building on concrete or 22 mm chipboard/19 mm plywood, laid on joist centres max. 300 mm. Before starting the installation, we always recommend that you contact Fermacell for advice and support regarding proper construction.

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