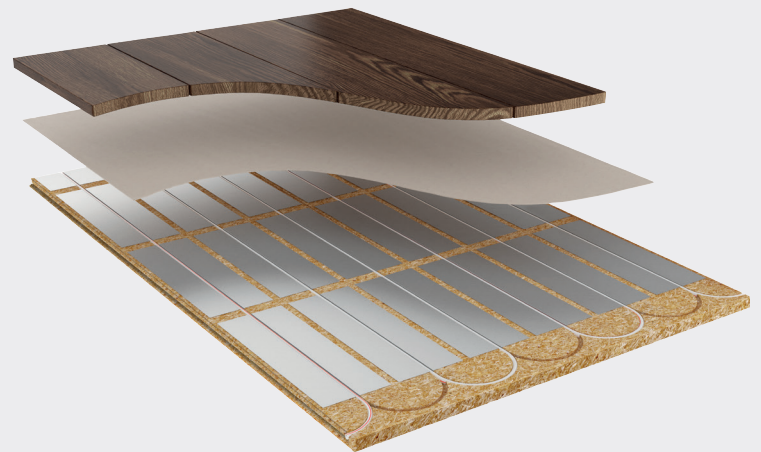


**Roth QuickTemp  
Universal Chipboard System**

Installation



*Living full of energy*

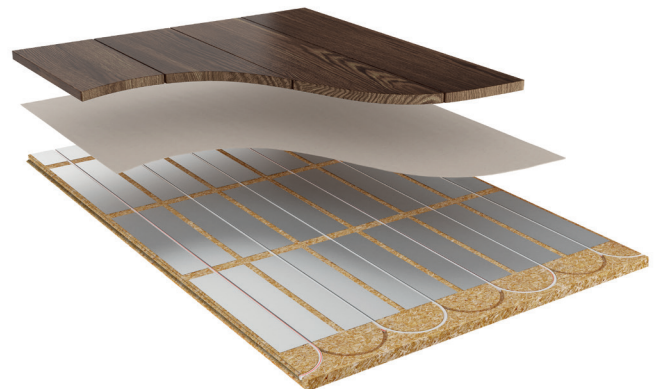
# Roth QuickTemp Universal Chipboard System

## Roth QuickTemp Universal Chipboard System

Roth QuickTemp universal chipboard system is developed for use on a Joist floor construction. The system consists of 22 mm Chipboard panels and turning plates with grooves to accommodate Roth X-PERT S5® or Roth Alu-LaserPlus® underfloor heating pipes. Aluminium distribution plates are laid in the grooves before the pipe is inserted.

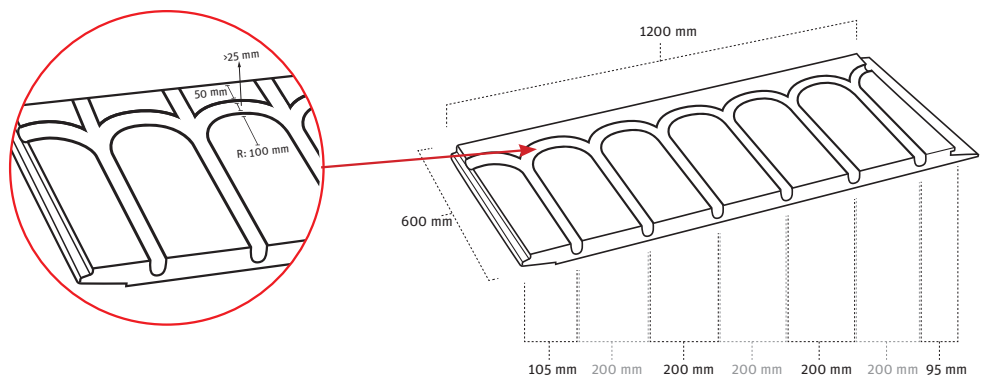
The chipboard system must be laid in dry indoor environments. 15°C - 25°C and 50 - 65% Relative Humidity.

Before laying, the panels must be stored unpackaged for at least 24 hours in the climate in which they are to be placed.



## The Advantages of Roth QuickTemp Chipboard System

- > Efficient construction
- > Quick and easy installation
- > Maximum thermal efficiency with reduced heat loss and lower fuel costs
- > Ready immediately, no extra adhesive substances or drying time required
- > Even heat distribution with consistent and repeatable performance
- > Substantial savings in material costs
- > The final floor can be installed directly on top of the boards
- > Quick reaction to temperature changes



## Technical Data

### Roth 22 mm QuickTemp Chipboard

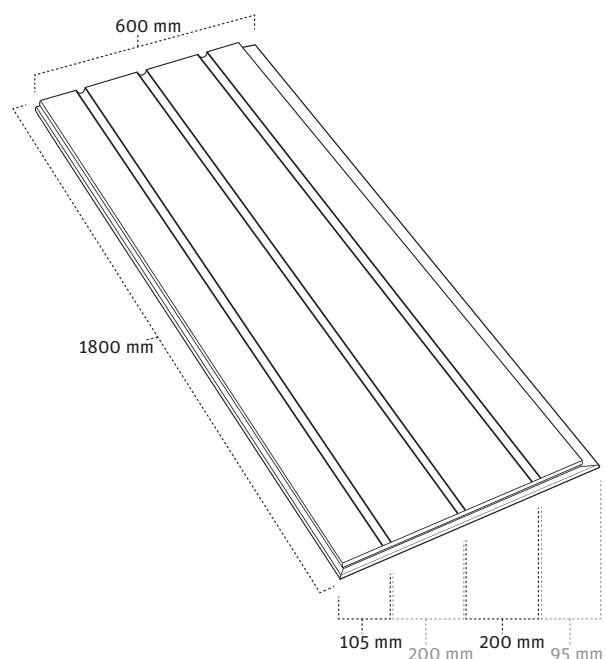
- > Roth Particleboard 22 mm - 7339295222
- > Board size 22 x 600 x 1800 mm
- > Area covered per board 1.08 m<sup>2</sup>
- > Groove for 16 mm pipe
- > Pipe spacing 200 mm C/C

### Roth 22 mm turning plate

- > Turning plate 22 mm - 7339295523
- > Board size 22 x 1200 x 600 mm
- > Curved groove for pipe turn
- > Tongue and groove on both edges

### Heat distribution plate

- > Roth QuickTemp Heat Distribution Plate 180 x 1,200 x 0.5 mm - 7339217116



### Laying on Joist floor construction

*The Joist centres distance must not exceed 600 mm.*

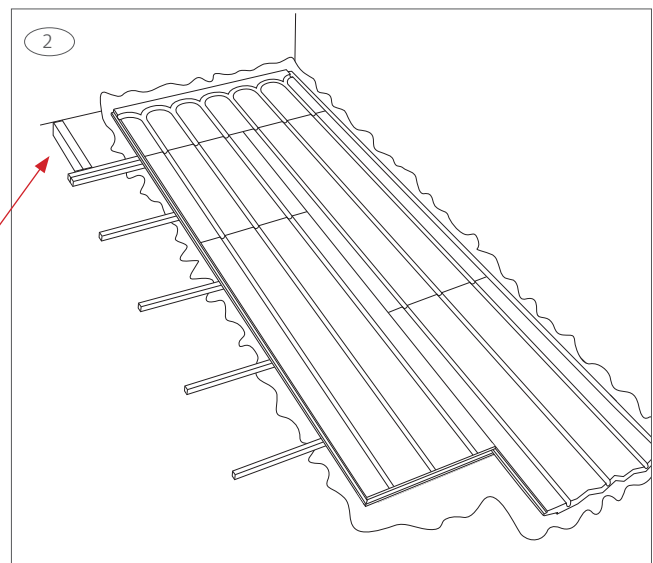
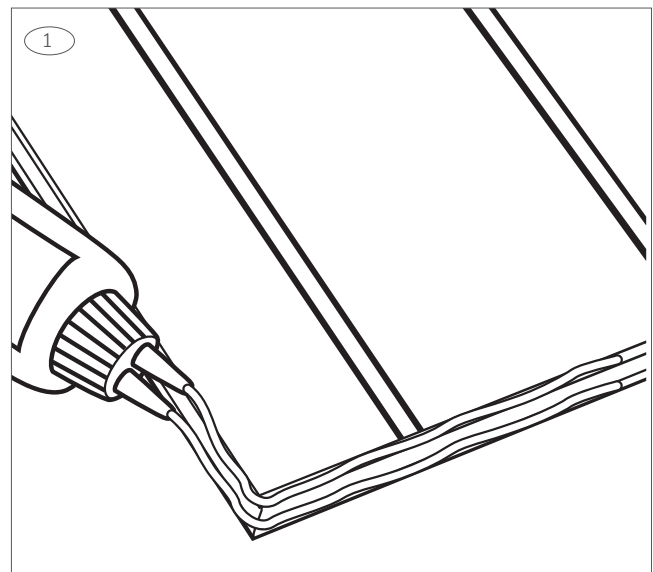
The boards are placed from right to left. It is important to leave an air gap of min. 10 mm against the walls to allow the materials expand. For larger spaces, an air gap must also be left every ten metres so that movements can be taken up. The boards are mounted with staggered joints and perpendicular to the joists.

1: Roth universal chipboard system must be glued in tongue and groove, and screwed onto the Joist construction at least every 300 mm.

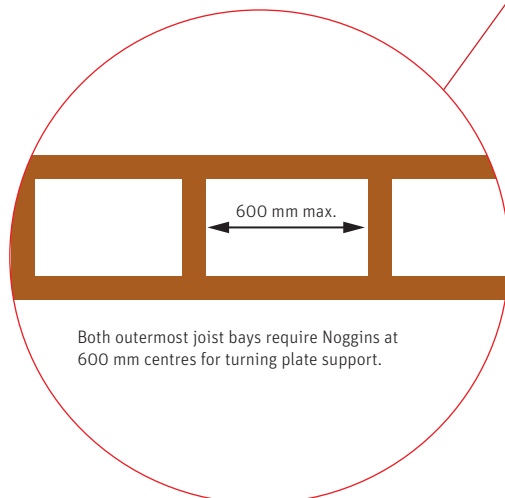
2: Outermost joist bays must be supported by noggins installed at 600 mm centres.

The joints must be completely filled with glue. Use Casco wood glue 3303 or equivalent.

Use screws with partial thread, dimension: 4.0/4.5 x 60 mm.



Joist construction using turnplates.



### Laying on Joist floor construction

Roth turning plates can be used or the turning tracks can be milled into the panel. The grooves must be at least 25 mm in width, 100 mm in radius and kept at a distance of 50 mm from the trailing edge, as shown in picture 3. The pipes must be laid all the way up the inside of the semicircle.

Thoroughly clean the grooves before pressing the heat distribution plates into the groove.

Distance between the heat distribution plates: min. 10 mm.

Distance from plate to the beginning of the turning track:

min. 20 mm.

The pipes must be completely down in the grooves and must not be above the level of the plates. The pipes must be laid all the way up to the inside of the turning grooves. Before laying the floor covering according to the floor supplier's instructions.

### Floor coverings:

The installation of a 6 mm flooring grade ply covering, laid in the opposite direction to the Chipboard panels, glued and screwed at 200 mm centres will complete the structural deck.

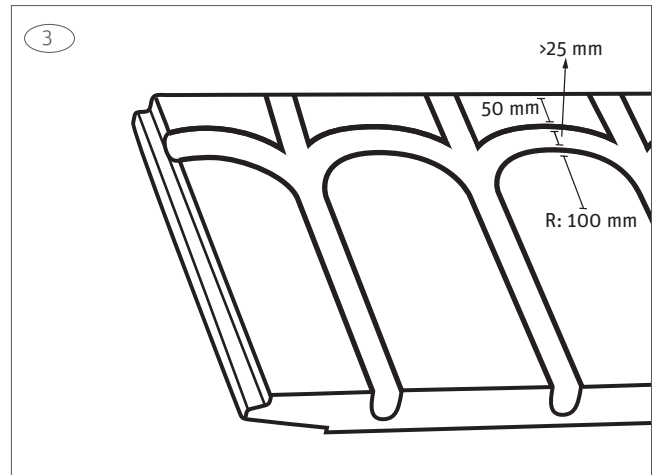
This deck will accept Carpet, timber, and most other flooring materials to manufacturer's instructions.

For Tiles, there is an additional de-coupling layer required over this plywood.

Laminate floors must be a minimum of 7 mm.

Alternatively the floor may be covered with a cement board of a minimum 12.5 mm thickness or a minimum of 12 mm Chipboard.

All boards must be glued and screwed down every 200 mm centres and a low TOG underlay must be used.



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