

# Novopan Climate Flooring

Underfloor heating for every room in the house. Fast. Simple. Economical.

## Turning panels

### NEW!

Save time with  
Novopan turning  
panels for  
Climate Flooring.  
No need to cut  
turning grooves.

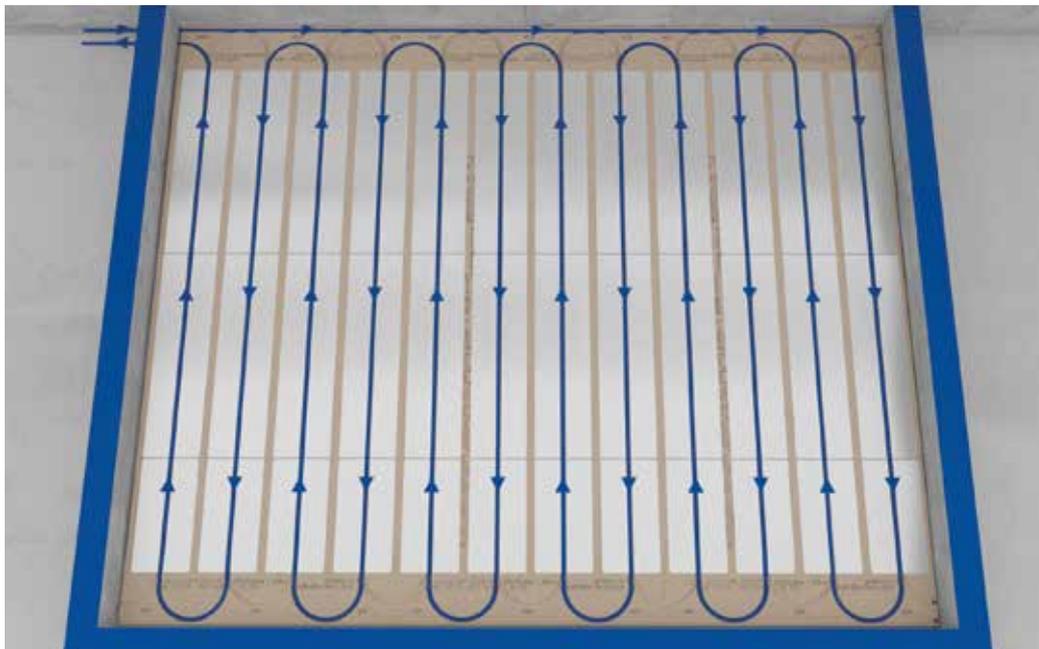
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## 25 mm installation instructions

**kronospan**  
NOVOPAN TRÆINDUSTRI

# 25 mm installation instructions

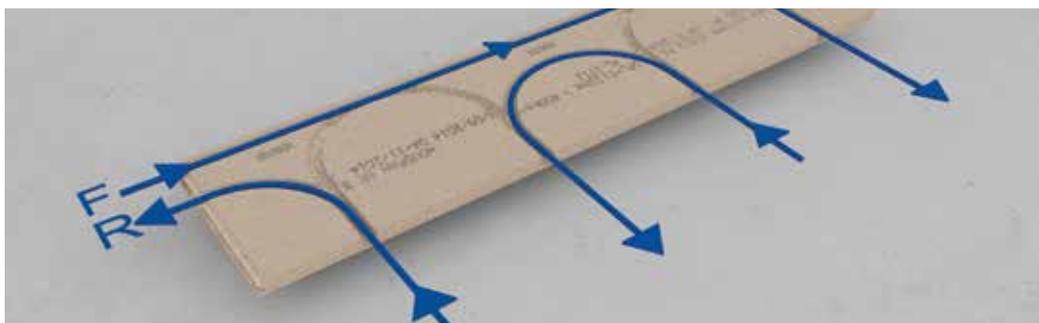
Read these installation instructions carefully before starting work. Please note that performance approval applies only on the condition that these installation instructions are followed. Plan how the floor will be laid in relation to the position of the heating system, and plan where to place the inlet and outlet for the underfloor PEX pipe.



## NEW TURNING PANEL

You no longer need to cut turning grooves or supply and return routes with the new Novopan turning panels for Novopan Climate Flooring.

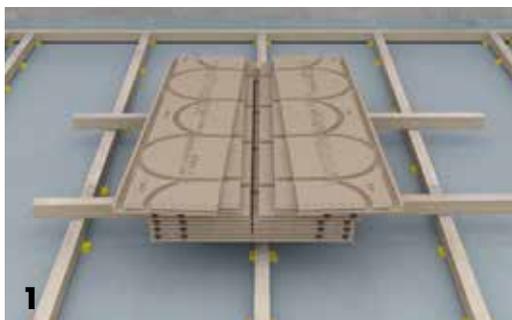
See the illustration.



## LOAD-BEARING SUBFLOOR LAID ON JOISTS

### LAYING TURNING PANELS

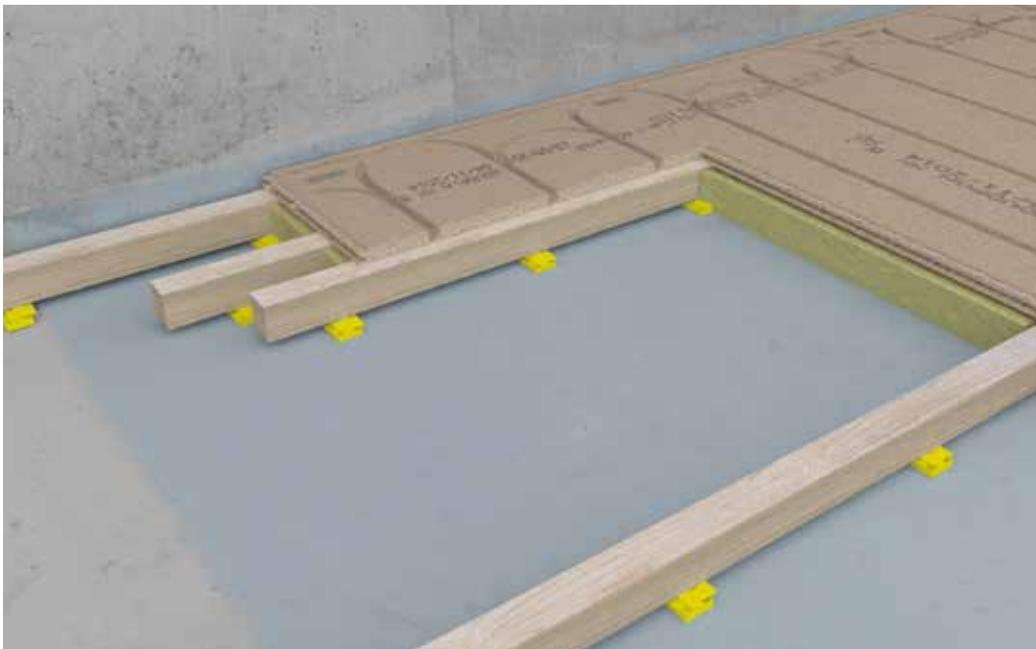
1. The turning panels are different for the right and left sides of the room. - See the marking on the panels.
2. Place the panels along the sides of the room so that the text can be read with your back to the wall.
3. When the panels are correctly laid, the tongues and grooves of the turning panels will fit.
4. Turning panels for the left and right sides of the room.



## L Aid ON EPS FLoating Floor

### Laying The Panels

If the turning panels are used on load-bearing insulation, bore holes in the end connector for 2 or 3 flat dowels. Spread glue generously on the rubbed joint and the dowels, so that it is visible in the panel joint. Screw 4 screws on each side of the support. Use screws with partial threading, dimensions: 4.0/4.5 x 60 mm. For the loading in ordinary housing, flying joints can be used.



Joist positioning CC from the wall: first 3.5 cm, second 17.5 cm, and third 31.2 cm.

### JOIST/BEAM CONSTRUCTION

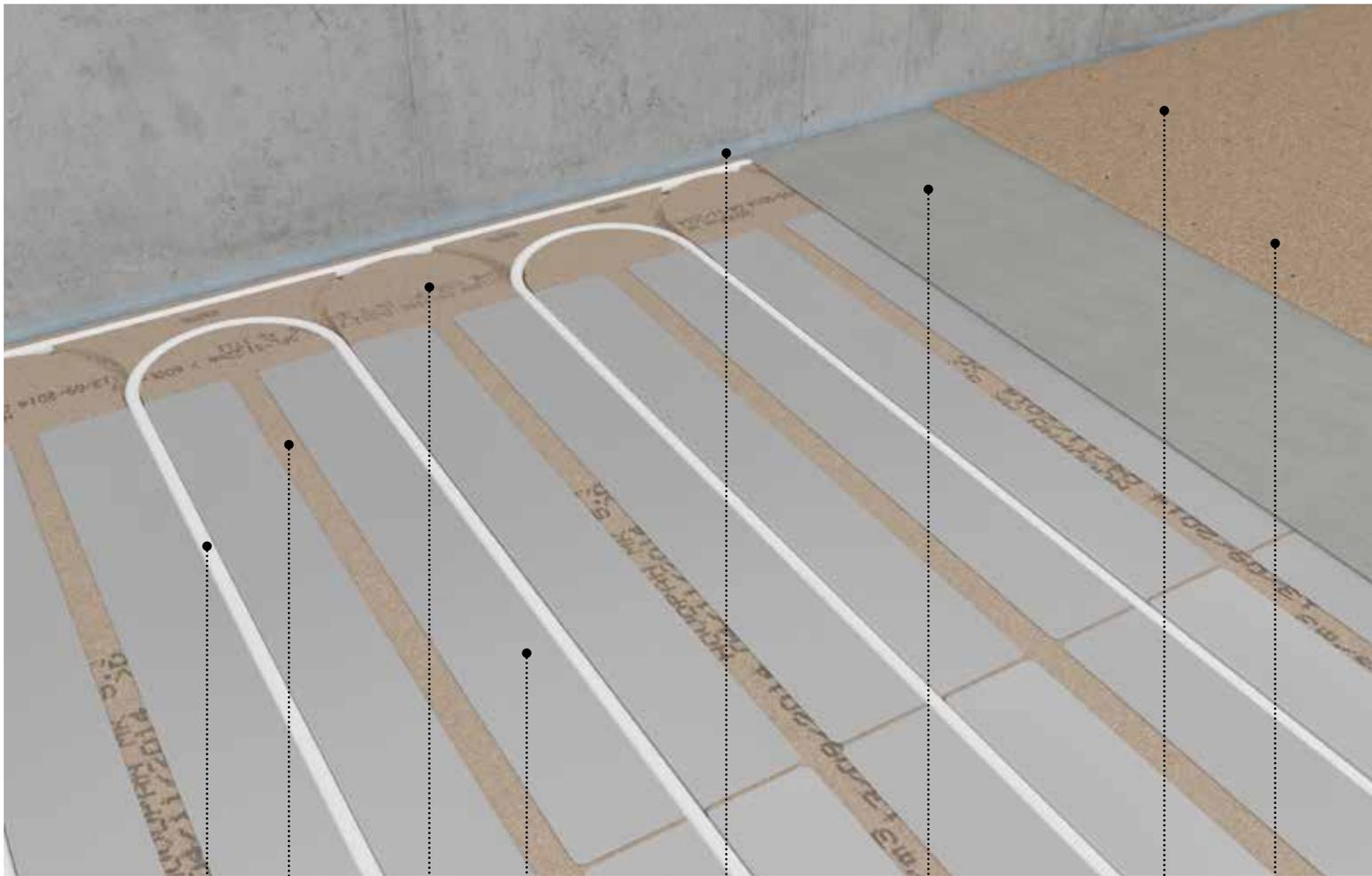
Lay the turning panels on 3 joists placed as shown in the drawing. The panel has a tongue or groove at both short ends, while the long sides are straight. The starting point for the first turning panel is normally the corner where the supply and return pipes are placed. Lay the first panel at a distance of 12 mm from the wall, with the tongue forward and a tongue on the right short side\*. It is very important that the panels fit completely, so that the distance between the PEX pipes is not staggered in relation to the straight-tracked panels, which will later be fitted

into the turning panels. At the opposite end of the room, starting from the same side or wall as the first row, place the first panel 12 mm from the wall, with the tongue forward and to the left\*. Before attaching the panel, ensure that it is correctly positioned, i.e. 12 mm from the wall to the panel edge, and 162 mm to the middle track for the 25 mm panel. When these two rows of panels have been fitted at the ends, draw a string along the room, 612 mm from the wall to the panel edge on the tongue side. On the first straight-tracked panel, cut away about 20 mm of the

groove, to form a rubbed joint against the turning panel. Now fit the straight-tracked panel, following the string. It is important that the first row of panels is placed precisely to fit with the tracks in the turning panels.

\*Determining left or right. If you stand at the side with the lengthways cut closest, and the text on the panel is readable, with the tongue to the right and groove to the left, it is a LEFT panel. A RIGHT panel - is the reverse of the above.

# 25 mm installation instructions



20 mm 5-layer PEX pipes

Turning panel

Damp-proof membrane, at least 0.2 mm PE membrane

Floor felt, at least 500 g/m<sup>2</sup>

Chipboard screws 3.5x30 mm  
Spacing 20x30 cm

Screwed-down chipboard TG 4

Aluminium heat-distribution plate

25 mm Novopan Climate Flooring

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## INSTALLATION

To install the PEX pipe, guide the course from the supply along the coldest wall in the room. With unfavourable room dimensions it is possible that up to 40 cm is not covered by heat-distribution panels, but this can be

reduced by 13 cm using 25 mm panels, by cutting away part of the first panel. Remember that this must be calculated and carried out when the turning panels are installed.

**DISCLAIMER OF LIABILITY:** NOVOPAN Climate Flooring is designed for use in rooms where underfloor heating is to be established. The instructions do not cover the decision to choose underfloor heating, or the structural engineering or installation of the underfloor heating system itself, and KRONOSPAN ApS assumes no liability for this. NOVOPAN ECOFLOORING is manufactured under meticulous quality control. The product from KRONOSPAN is under continuous development, and the technical specifications are provided subject to reservations for modifications. In general, please refer to our current Terms and Conditions of Sale and Delivery. September 2019 version 1.0 offenm.com®