

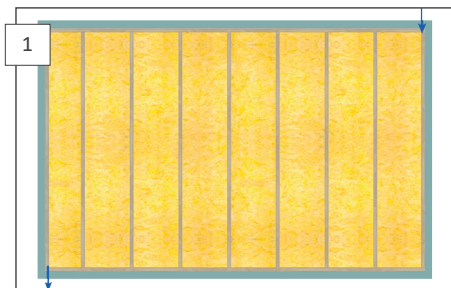
These guidelines apply to the installation of the Forestia Thermo Turn Board std P6. This floor panel comes in 22x600x1220 mm format. On delivery from the factory, the moisture content of Forestia Thermo Turn Board is 5-8%. It is therefore essential that construction moisture is kept under control by means of ventilation and heating. Masonry and plastering work must be completed before commencing installation. The panels will move to some degree when variations in humidity occur. A change in dimension of the panel of approx. 1 mm can be expected with a change in relative humidity from 30% to 60%.

#### Areas of application

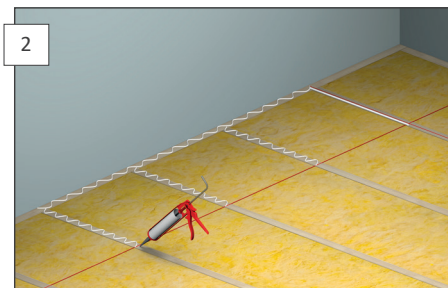
Forestia Thermo Turn Board can be used where there are no requirements for moisture-resistant materials (climate class 1). Can be installed on existing wooden floors, battens or joists. This requires that the substrate is level and even, c/c distance between battens/joists is max. 600 mm. Forestia Thermo Turn Board is used together with Forestia Thermofloor. For a complete installation guide for both, please also refer to the Forestia Thermofloor installation guide.

#### Transport, storage, handling

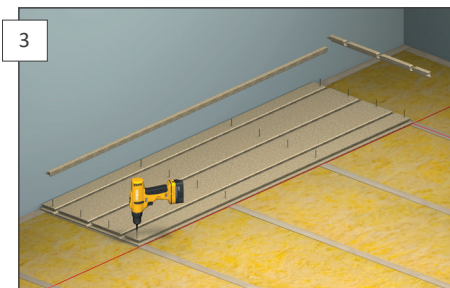
The panels must be protected from moisture during transport and storage. The panels must be stored on a flat and stable substrate with 2-3 battens per pallet. When storing several pallets on top of each other, the battens must be positioned directly on top of each other.



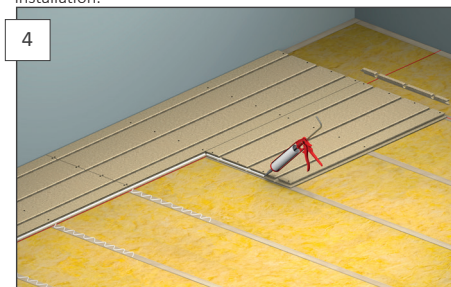
Before starting installation, sketch the floor with a view to routing the inlet/outlet of water pipes. The panels are installed across joists, max. c/c distance between joists 600 mm. End joints must always be formed over the centre line of the joist. The Forestia Thermo Turn Board is profiled with tongue and groove on the short and straight edge on the long side. There are 3 grooves in the upper side of the turnboardpanel for installation of heat diffusion panels and pipes. The groove is designed for a 17 mm pipe system. Not to be installed as a floating installation.



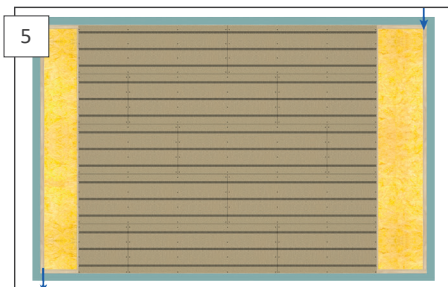
All free panel edges must be supported. If extra grooves for feed lines are to be cut out, extra support under the panels must be provided. The first row of panels is installed with the use of string. The panels must be glued to the subfloor or joists and fully glued at the tongue and groove. Recommended adhesive type is chipboard adhesive.



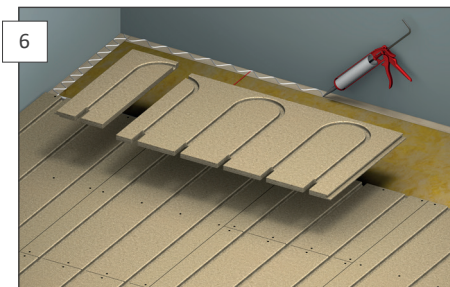
Against all fixed structures there must be a clearance of 10 mm. Cut the first panel. Clean the profile on the short side of the Thermofloor that is to lie against the straight edge of the Forestia Thermo Turn Board. We recommend installing Forestia Thermofloor before installing the Forestia Thermo Turn Board. Use 4 screws at each panel end and 4 screws for each joist. Use chipboard screws of dim. 4.2x55 mm or equivalent.



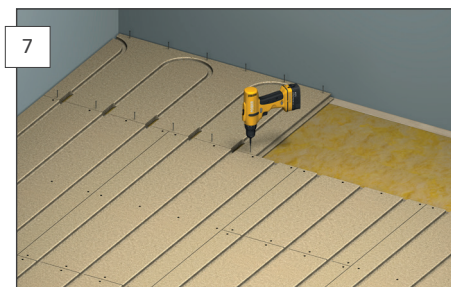
Forestia Thermofloors are installed offset to each other. The panels must be pressed so tightly together that adhesive emerges from the joints. Remove excess adhesive.



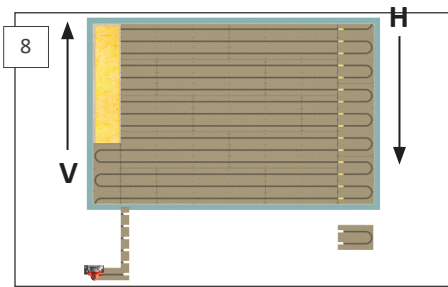
Forestia Thermofloor is completed.



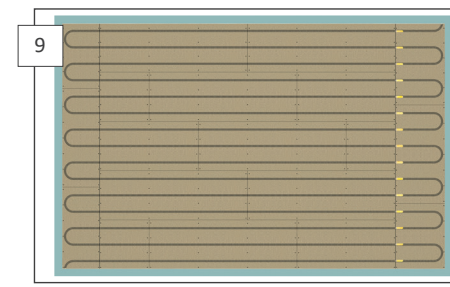
Cut and adjust the first Forestia Thermo Turn Board. Apply chipboard adhesive to subfloor or joists. Make sure that the return groove is placed over the joist. The inner radius of the return groove must be at least 10 mm in on the joist. There must be a minimum 10 mm expansion gap between Thermofloor and Thermo Turn Board.



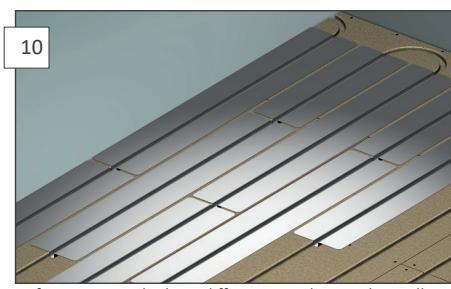
Make sure that the grooves in the Forestia Thermo Turn Board are aligned with the grooves in the Thermofloor. Use 6 screws at each panel end and 4 screws for each joist. Use chipboard screws of dim. 4.2x55 mm or equivalent.



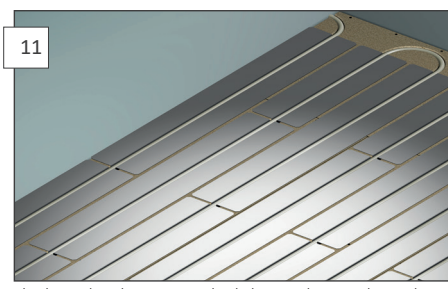
The right side is installed from top to bottom, while the left side is installed from bottom to top. This is to ensure that the panel's profile fits.



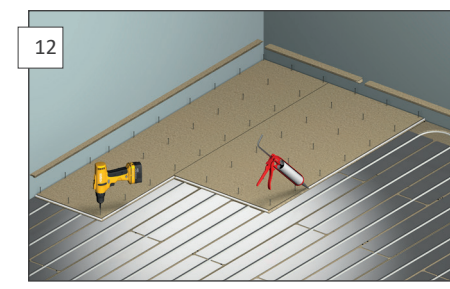
Forestia Thermofloor and Thermo Turn Board are fully assembled. The Thermo Turn Board is pre-drilled with holes for incoming and outgoing pipes. Ensure that there are no sharp edges when inserting and extracting pipes. This is to avoid damage to underfloor heating pipes.



Before pressing the heat diffusion panels into place, all grooves must be carefully cleaned of adhesive, debris and other impurities. Any peaks or raised edges at joints must be levelled off by grinding. There should be 10 mm clearance between the heat diffusion panels. Terminate the panels 10 mm before the start of the return on the Thermo Turn Board.



The heat distribution panels click into place in cleaned grooves. 17 mm water pipe are then installed.



The top floor with min. 9 mm thickness to be laid at right angles to the Thermofloor. If thinner laminate flooring, covering is used, or if parquet or solid wood floors are to be laid longitudinally, a load-distribution panel must be laid under the top floor. We recommend using Forestia 12mm Renovation Floor. This is screwed to the Thermofloor in the gap between each row of heat diffusion panels, cc 200 mm. For the laying of top flooring, consult with the supplier of the top flooring as to what is recommended.