

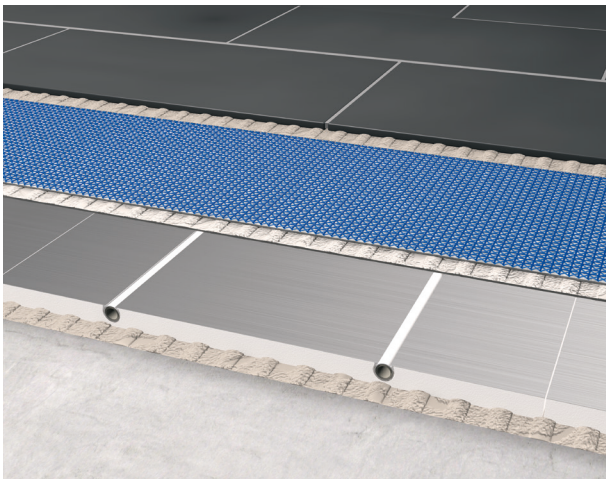


FÜR HANDWERK, DAS ÜBERZEUGT.

INSTALLATION INSTRUCTIONS

BLANKE PERMATOP 1000 / 3000 / WOOD

Fast-reacting underfloor heating and cooling system; low installation height and low mass per unit area in addition to fast control response



Material properties

BLANKE PERMATOP is a complete system consisting of system panels made of EPS or Neopor with ex works-bonded aluminium heat diffusion plate. PERMATOP WOOD is based on individual heating elements made of wood fibre insulation boards with ex works-bonded aluminium heat diffusion plate.

The system includes suitable composite metal piping as well as BLANKE PERMAT underlayment, which is glued to the aluminium with the special dispersion adhesive BLANKE GLUEMAX. Edge insulation strips made of EPS round off the system.

Substrates

It is essential that substrates on which BLANKE PERMATOP is to be laid are examined to ensure they are level, capable of bearing the load and the surface is suitably stable. There must be no differences in height. Grind back any layers that could impair bonding. If required, prepare with sealers and primers suitable for the substrate, bedding mortar as well as levelling layers. Repairs must be completed and height differences levelled before installing the underfloor heating. Bathrooms, showers and other wet areas are to be sealed according to the standards.

- > Concrete, at least 28 days old
- > Fresh screed if it can be walked on
- > Screeds
 - > Calcium sulphate screeds with rest moisture content <1%
 - > Mastic asphalt screeds
 - > Magnesium oxychloride composition/screeds
 - > Dry screeds
- > Chipboards
- > Wooden floorboards
- > Old, rigid ceramic floor covering
- > Old natural stone floor covering
- > Mixed substrates, no height differences
- > Glued PVC and linoleum floor coverings



FÜR HANDWERK, DAS ÜBERZEUGT.

INSTALLATION INSTRUCTIONS

BLANKE PERMATOP 1000 / 3000 / WOOD

Fast-reacting underfloor heating and cooling system; low installation height and low mass per unit area in addition to fast control response



1 All substrates must be dry, capable of bearing the load and free of any layers that could impair bonding. The evenness must meet DIN 18202 requirements. Apply primer coating to wall and floor surfaces according to their surface condition. Observe manufacturer's specified drying time.



2 Affix the edge insulation strip included in the delivery to all vertical structural elements.



3 Apply the tile adhesive according to either DIN 12004 C2 or 12002 S1, depending on the substrate, using a serrated spreader comb with 6 mm or 8 mm teeth.



4 Lay the return panels, grooved panels and construction boards on the adhesive according to the specifications and press them.



5 Use an angle grinder fitted with a metal cutting blade to cut the panels to size. Deburring the heat diffusion plate near the pipes is necessary only if it has been cut to size.



6 Once the bedding mortar has cured, press the composite metal pipe into the omega grooves in the deflection area, either with the aid of the batten included in the delivery or by hand.



7 After laying the pipes, apply the special adhesive BLANKE GLUEMAX onto the aluminum heat diffusion plate using a spreader comb with 6 mm teeth.



8 Lay the underlayment and decoupling mat onto the exposed special adhesive BLANKE GLUEMAX, covering the entire surface; ensure the special felt (white side) is facing down and press down using a plasterer's float. The mats must be staggered by at least 10 cm. Please also observe the installation instructions BLANKE PERMAT.



9 Wait 12 hours to allow to cure; the top covering can then be laid using the thin-bed method with suitable flexible adhesive in accordance with the applicable codes of practice. Movement joints and joints between bays must be installed in accordance with applicable technical rules. After the specified curing time of the adhesive/joint grout used is up, the underfloor heating and cooling system can then be put into operation.

Attention: please refer to the notes in our latest technical data sheets during the installation. All work must also be carried out in compliance with current industrial standards

Blanke Systems GmbH & Co. KG

Stenglingser Weg 68-70
58642 Iserlohn/Germany

T +49 2374 507-0
F +49 2374 507-4230

E info@blanke-systems.de
I www.blanke-systems.de

Author: JP 26.04.2019
Page 2 of 2