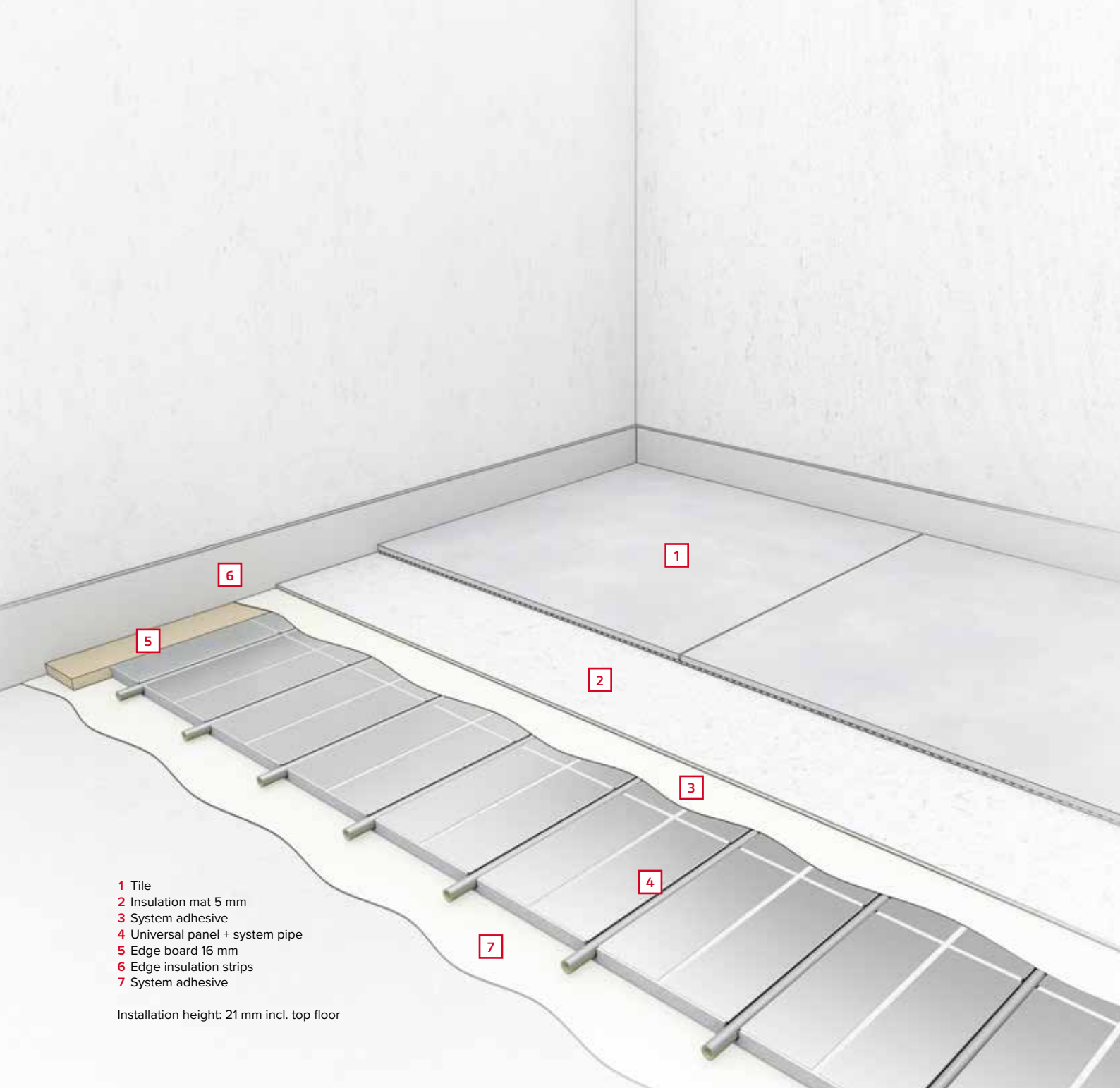


IDEAL FOR RESTRICTED INSTALLATION HEIGHTS

The new universal panel with just
16 mm installation height

NEW





TECEfloor UNIVERSAL PANEL 16/12

The universal panel 16/12 is particularly suitable for restricted installation heights for integration in the floor, on the wall and under the ceiling. This is possible thanks to the low element height of just 16 mm and using a 12 x 1.5 mm heating pipe. The extremely low installation provides optimum controllability of the system.



“Low installation heights are often a problem when retro-spectively installing underfloor heating. Additionally, many building clients shy away from the construction effort involved in laying screed. A flat dry-wall construction system can impress here.”



TECEfloor universal panel 16/12 with prefabricated parquet laid floating. Total construction including floor covering: 33 mm.

- 1 Prefabricated parquet ≥ 15 mm
- 2 Universal panel + system pipe
- 3 Edge board
- 4 Edge insulation strips
- 5 System adhesive

For restricted installation heights

In old buildings and during renovation in particular, installations of underfloor heating often go wrong due to the low installation height. Wooden joist ceilings also lead to an additional static problem: conventional systems with wet screed quickly weigh more than 100 kg/m^2 . The TECEfloor universal panel 16/12 can score twice here: it's extremely flat and direct laying makes it just as light.

Product features

- Extra flat, just 16 mm – low installation heights
- Only two individual components – simple handling and processing
- Optimised panel dimensions – reduced storage
- Extremely high compression strength $>200 \text{ KPa}$ makes extra-flat special structures possible – ideal for renovation
- Compatible system for floor, wall and ceiling – universal application
- Aluminium profiles glued on in the factory – quick assembly
- Predetermined breaking points – simple processing

The new TECEfloor dry-wall construction system 30/16

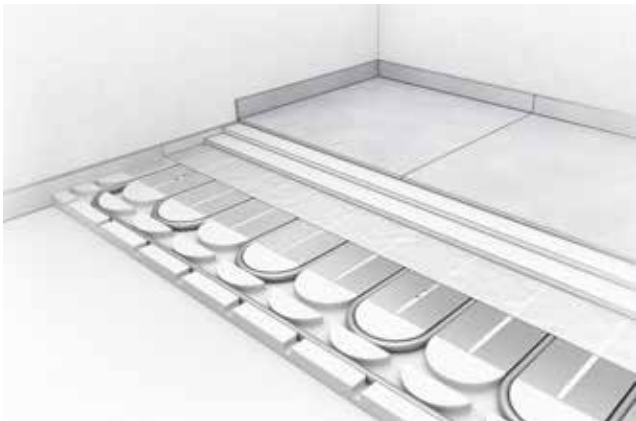
With just two components:



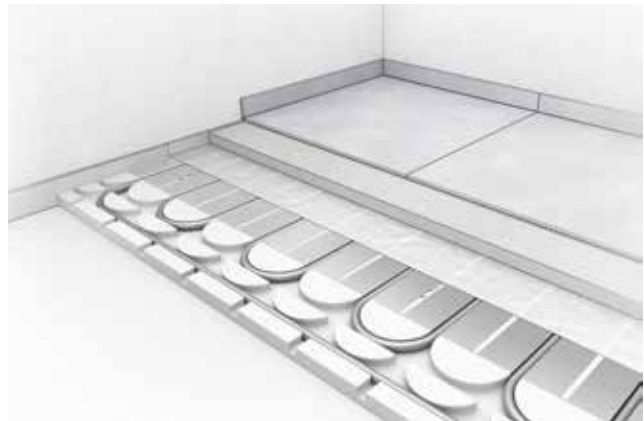
TECEfloor dry-wall panel TP 30/16



TECEfloor heat-conduction profile TP 30/16
in aluminium or steel



Standard dry-wall construction:
e.g. with 25 mm dry screed.
Installation height 55 mm incl. top floor.



Alternative construction: e.g. with cement screed and
TECEfloor screed additive "Special".
Installation height 60 mm incl. top floor.

Easy installation, short construction period

The TECEfloor dry-wall construction system 30/16 is the standard dry-wall construction system in combination with dry screed elements (e.g. Fermacell, Knauf). For a particularly light floor construction with short construction times and zero drying times. A lower construction height or a lower area weight with faster heating times is also possible in combination with thin-bed screeds.

Product features

- Only two individual components and optimised panel dimensions – simple handling and processing, reduced storage
- Single and double meander laying - equal surface temperatures and even heat release
- Minimum thermal resistance $\geq 0.75 \text{ m}^2\text{K/W}$ to DIN 1264 – conforms to standards
- Heat conduction profile with integrated predetermined breaking points, in a choice of steel or aluminium – separable without tools

TECEfloor SLQ PE-RT 5S underfloor heating pipe

Five-layer underfloor heating pipe to DIN EN ISO 21003 made of highly flexible and high-density polyethylene with higher temperature resistance (PE-RT type 2). Oxygen-tight with coextruded EVOH coating to DIN 4726, application area Tmax 90 °C, 6 bar. Suitable for particularly rough installation conditions thanks to the 5-layer technology, SLQ quality-monitored and tested for compatibility.

Classification to DIN EN ISO 22391-2:
application class 4 and 5: 6 bar, Tmax 90 °C

Dimension 12 x 1.5 mm

Order no. 77111220



TECEfloor universal panel FM 16/12

Universal panel for use in old and new buildings in dry-wall or brick-wall construction systems. Extra-flat EPS element (16 mm) for floor, wall or ceiling with aluminium heat conduction plates glued over whole surface, with predetermined breaking points for adjustment of width and length without tools. For taking TECEfloor underfloor heating pipe PE-RT 5S 12 x 1.5 mm, HBCD-free.

Base plate made of EPS 035 DEO, > 200 kPa

Thermal conductivity: 0.035 W/mK

Thermal resistance: 0.40 m²K/W

Aluminium thermal plate 0.25 mm, with Omega pipe layout,

compression strength: > 200 kPa at 10% compression in accordance with

DIN EN 826 building material class B1

Dimensions (L x W x H): 1200 x 750 x 16 mm

Spacing: 150 mm

Order no. 77520001



TECEfloor combination element FM 16/12

Combination element consisting of three head elements with reversal elbows and compensating element for filling remaining areas, HBCD-free.

Base plate made of EPS 035 DEO, > 200 kPa

Dimensions (L x W x H): 1200 x 750 x 16 mm

Order no. 77520002



TECEfloor edge board FM 16/12

Edge board made of wood fibre material for stronger and accurate edging, to be laid along the edge insulation strips. 5 mm wood fibre layer on underside to reduce structure-borne noise and compensate for minor surface unevenness. Mandatory for all installation variants with insulation mat and directly laid. Recommended for structures with dry screed.

Dimensions (L x W x H): 1000 x 45 x 16 mm

Order no. 77520003



TECEfloor dry-wall panel TP 30/16

Pipe base plate for installation of underfloor heating according to construction type B (laying pipe within the insulation layer under screed). Allows use with standard dry screed elements (Knauf, Fermacell, Rigips, etc.) as well as wet screed (cement screed, flow screed). Made from expanded polystyrene hard foam (EPS), with pipe layout channels for incorporating TECEfloor heat conduction profiles and TECEfloor underfloor heating pipes 16 x 2 mm. Can be laid in single and double meander, HBCD-free.

Material: expanded polystyrene (EPS 035 DEO), building material class E

Thermal conductivity: 0.035 W/mK, $R > 0.8 \text{ m}^2\text{K/W}$

Compression strength: 150 kPa at 10 % compression in accordance with EN 826

Spacing: VA 150, VA 300 (single and double meander)

Dimensions (L x W x H): 1150 x 750 x 30 mm

Order no. 77520006



TECEfloor heat-conduct. profile TP 30/16

Heat conduction profile for mounting on the TECEfloor dry-wall panel TP 30/16. For uniform heat distribution by heating pipe over the dry screed plate. For taking TECEfloor underfloor heating pipes 16 x 2 mm. With predetermined breaking points for separation without tools.

Dimensions (L x W x H): 1000 x 132 x 0.4/0.45 mm

Material requirements: approx. 6 pcs./m² (VA 15)

Version: galvanised steel sheet, 0.4 mm

Order no. 77520007

Version: aluminium, 0.45 mm

Order no. 77520008



For more information, go to
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