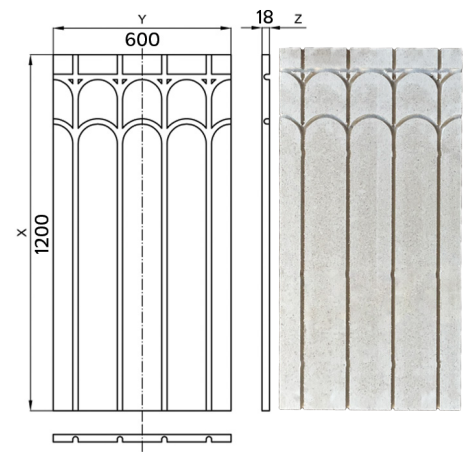


## Gypsum Fiber Board with double torsion ending for 12mm pipe

Fermacell fiber-gypsum panels are used as a load-bearing elements for pipes in dry underfloor heating. The physical properties of the fiber-gypsum boards make the product an effective heat distributor, without using aluminium plates.

The boards are available in various configurations based on the technical conditions of the built environment. Supplied in two pre-routed panels - straight boards with in-built return groove. The board gives a low thermal resistance, owing to its cementitious properties. This in turn gives evenly projected heat throughout the floor area.



Product Code	Product Description	Dimensions
TIOBLB0001	Gypsum fibre board	1200 x 600 x 18mm

### Preparation

Before installation of Tio Gypsum Fibre Boards ensure the sub-floor is clean and free of debris. Check for flatness of the floor, an SR2 finish should be the minimum standard (+/- 5mm over a 2m straight edge). Take time to plan the layout of the panels to minimize wastage and the amounts of cuts needed during the installation. Check the UFH pipework layout drawing (supplied by the UFH manufacturer) to establish the correct orientation of the boards for each room. Handling of panels – always try to pick up the boards in the middle of the panels and not in the corners, to avoid breaking the boards. Cutting the panels – the boards should be cut in a well ventilated area, using a handsaw or skill saw with suitable dust extraction unit.

### Board Fixing

If the boards need to be fixed to the subfloor (as per finished floor requirements) you can use an adhesive formulated for gypsum fibre boards following manufacturers recommendation. Try to avoid floor traffic over these areas during the curing time. Also run a bead of adhesive along the bottom edge of the boards before butting the next board up to board already installed. Mechanical fixing (Screws) – wood screws for timber subfloors (no need to plug and screw), and for concrete subfloors plug and screw the boards to the concrete subfloor.

### Installation

The first board should be laid into the corner of the room, leaving a 5mm gap to any parallel running walls. The second board should be installed in line with the 1st board, use an off cut of UFH pipe to ensure the routes line up correctly. Continue laying boards until you complete the row using the return pattern routing to run the pipe route back on itself. Once all boards are installed, lay UFH pipework in accordance with design and manufacturers recommendations.

### Overlaying

Tio Gypsum fibre boards can be directly overlaid with floor tiles and engineered wood flooring systems. To overlay with carpet or vinyl floor finishes and min 6mm ply should be bonded over the entire floor area prior to installation. Flooring manufacturers recommendations should always be followed.