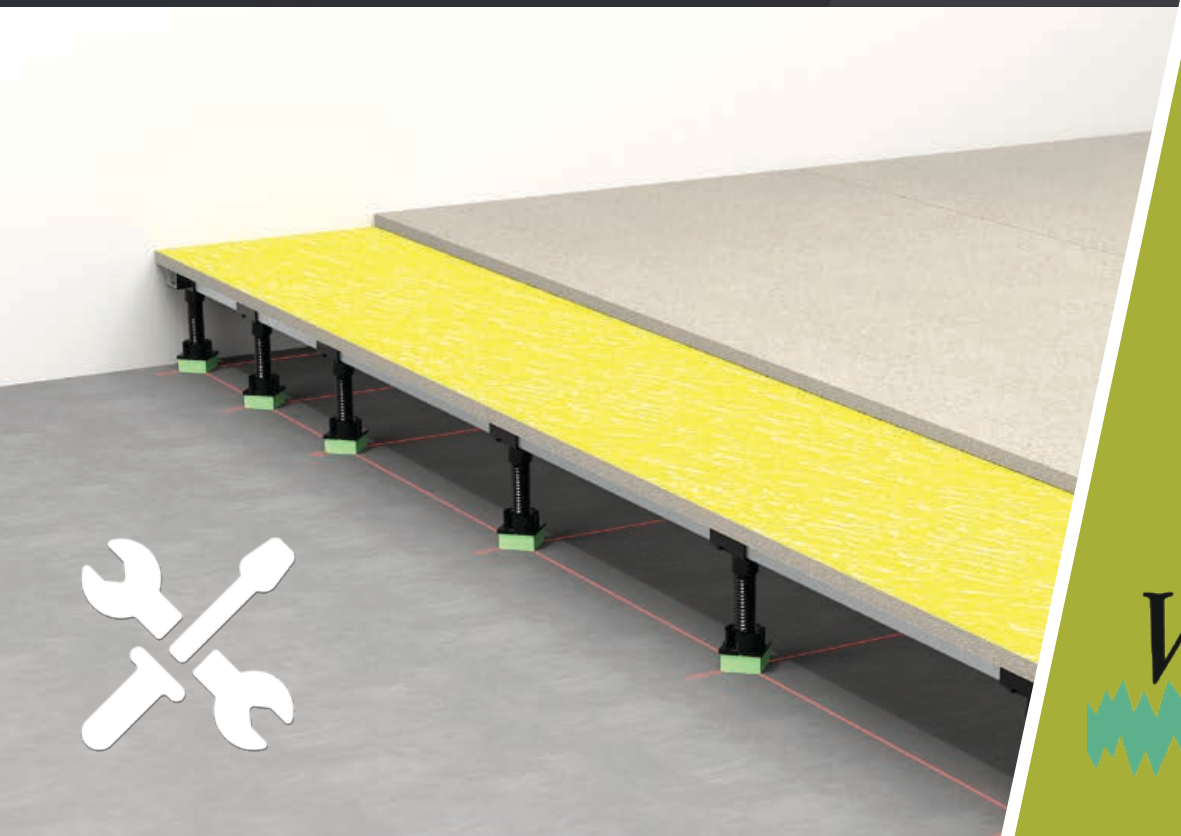
VT-dBlock

Installation manual



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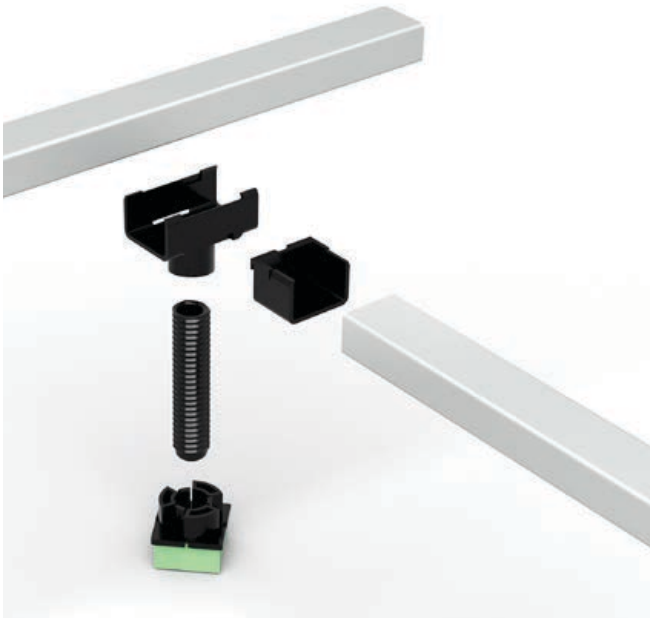
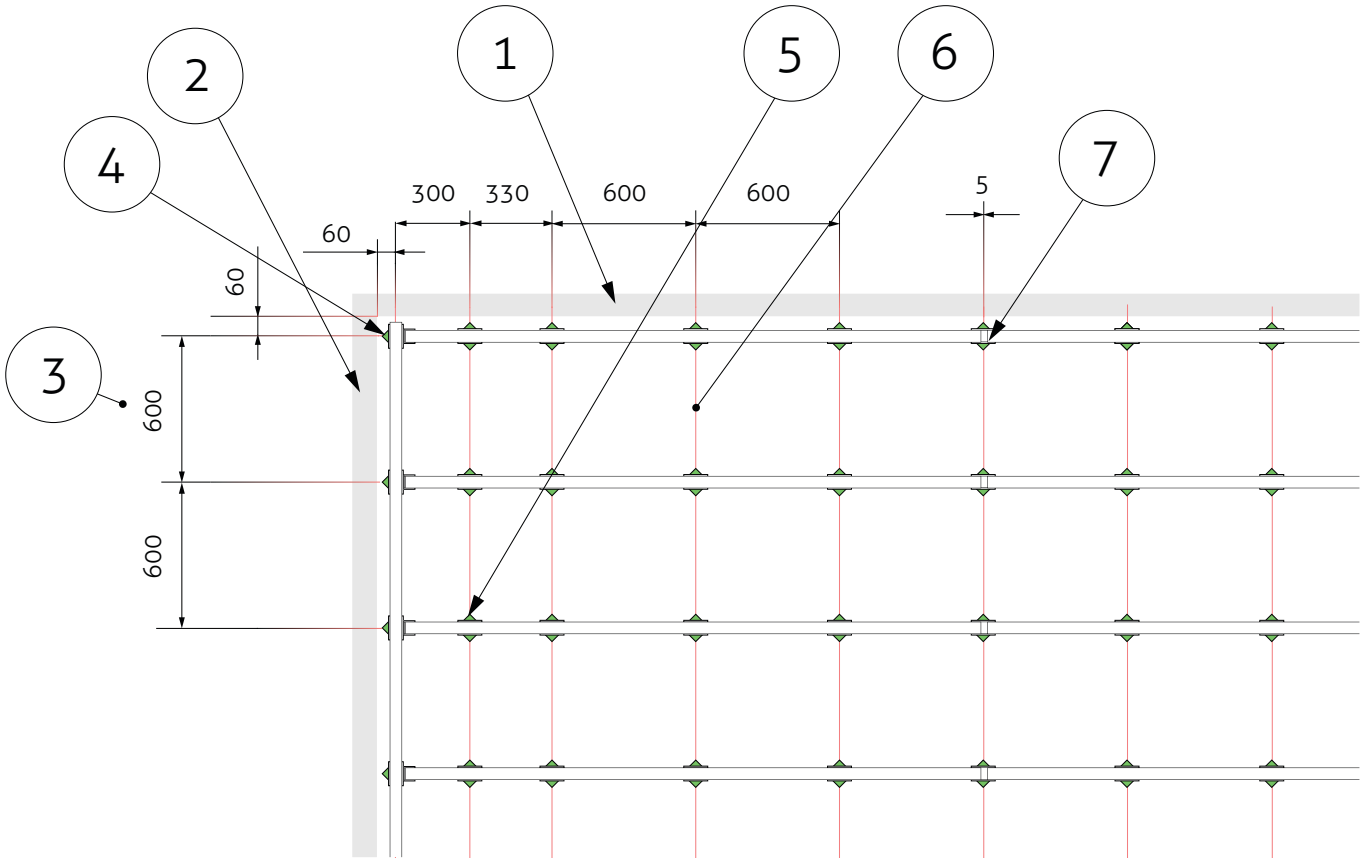


VT-dBlock Floor System

Floorplan

1. Side walls: distance from wall to frame is 60 mm.
2. Wall
3. The distance between the frame and the next bat is determined by the load on the floor.
4. The floor feet are placed 60 mm from the wall.
5. The first row of feet is placed at cc 300mm, thereafter cc 330 mm. This is because the center of the bat is centered on the floor feet.
6. Remaining bats are placed at cc 600mm
7. The distance between bats that meet centered on floor feet must be 5 mm.



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VT-dBlock Installtion Index

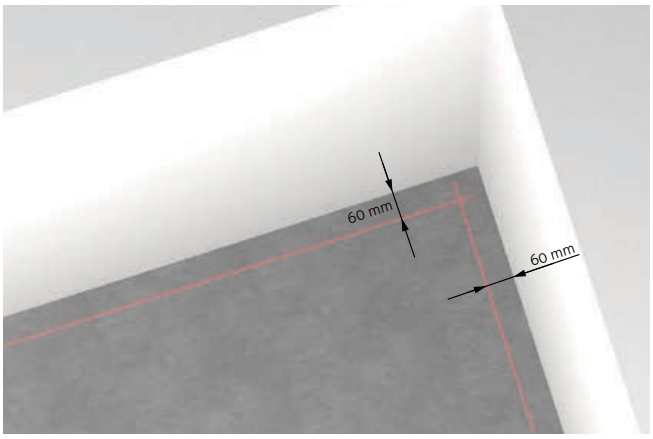

Image A-1: Distance from wall to frame

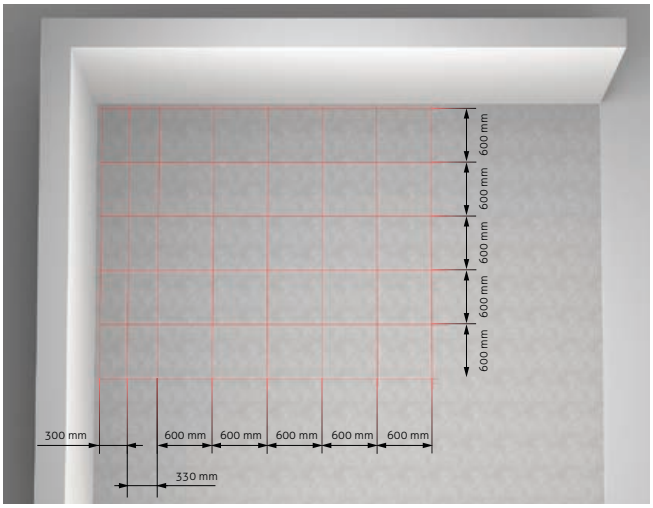

Image A-2: mark the rest of the floor according to the technical drawing.

VT-dBlock installation principles

A. Preparations

Existing floor must be clean and dry. Primer can be used to create good adhesion for the pads. Lace up the floor to mark the positions of the feet. Use installation drawing or follow the following simple principles:

The first line must be 60 mm from the wall (image A-1). Continue lacing a grid based on image A-2. If the distance between the last line and the end of the floor is greater than c/c 600 mm, divide the last distance by two for the last two lines. The same applies to the end wall opposite the starting wall.

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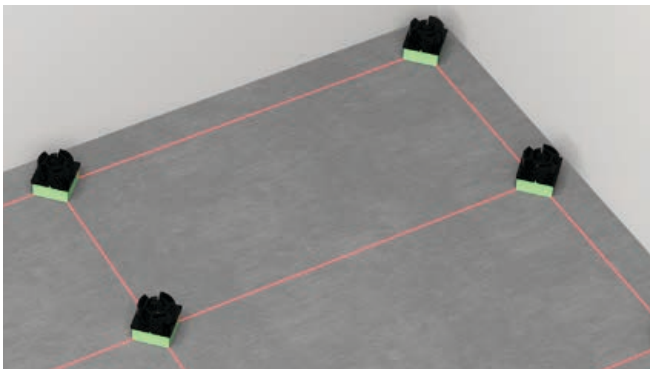

Image B-1: Glue the feet of the floor system to the floor surface.

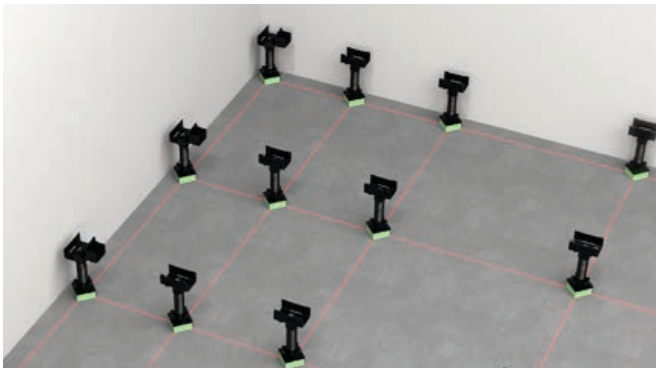

Image B-2: Mount the screwes of the floor system to the feet.

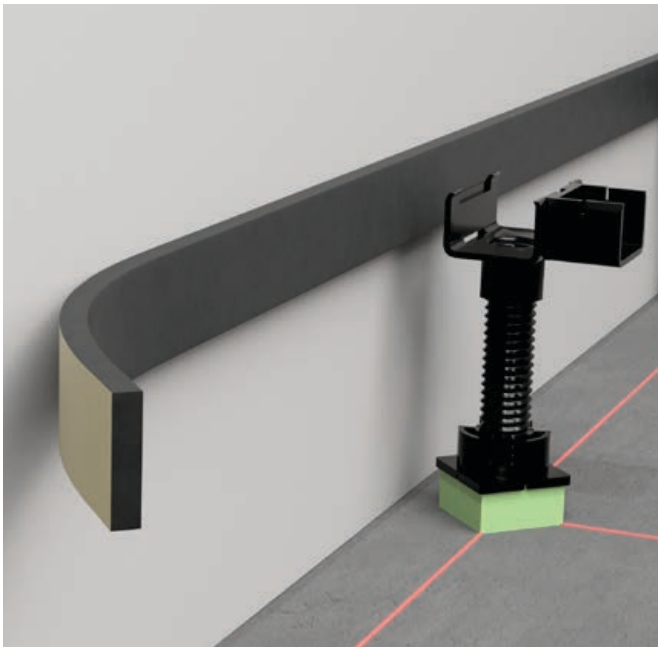

Image B-3: Mount self-adhesive elastic strip VT-Stripe on the walls at the height of future floor boards.

B. Installation of feet, screws and threaded sleeves

Glue the feet with pads onto the floor at the intersections. Use approved adhesive - Maxi Bond Seal or equivalent. Place your feet turned 45° with the corners of pads on the chalk lines, then the foot ends up centred in the intersection (image B-1).

While the glue dries; pre-cut the adjusting screws to approximate final length with a jigsaw or other suitable tool. If there are big differences in the floor, it may be better to cut the screws to a laser height. Screw the upper threaded sleeve onto the adjusting screws.

Click the adjusting screws into the glued feet on the floor. Start with the feet along the starting wall and continue with the bars along the walls for the "frame" (image B-2). Use a rotating laser to fine-tune the height of the threaded sleeve.

Mount self-adhesive elastic strip VT-Stripe on the walls at the height of future floorboards. This is to avoid flank transmission, acoustic bridging and creaking (image B-3).

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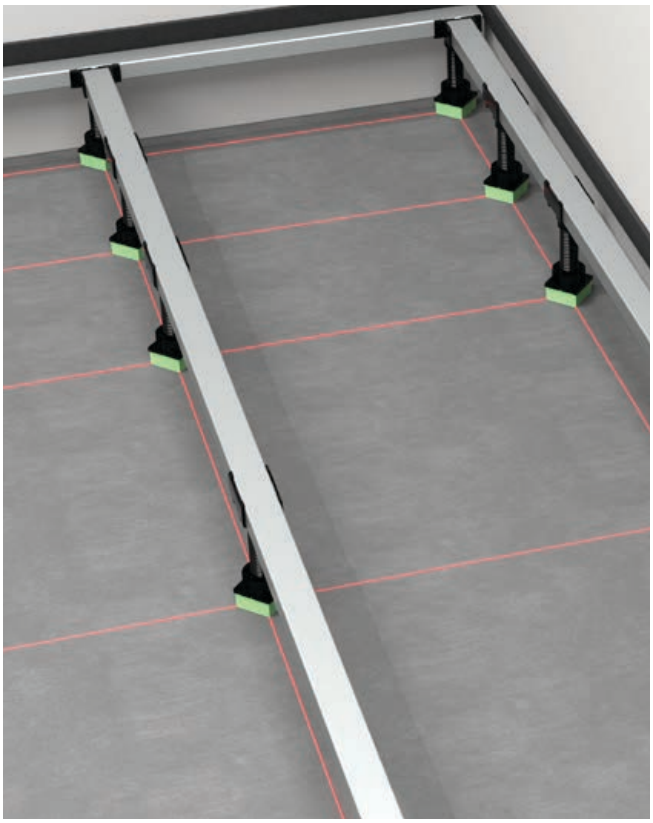

Image C-1: Click the aluminium bats into the brackets.

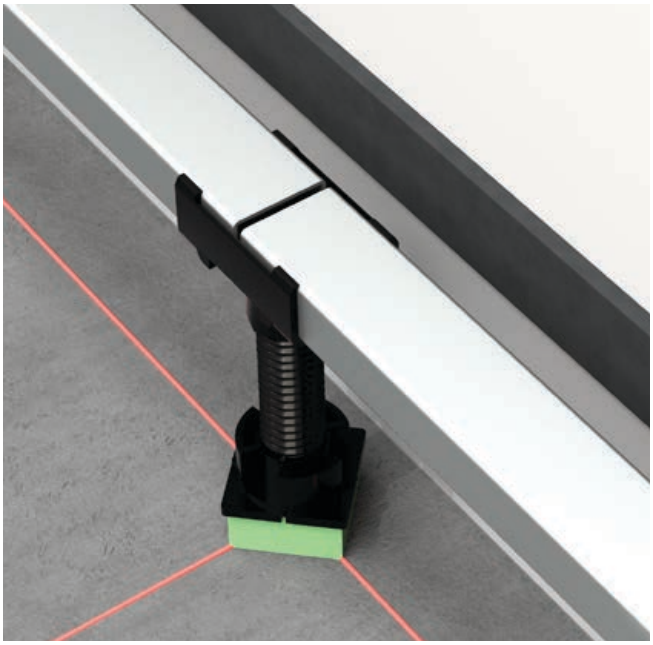

Image C-2: An expansion distance of 5 mm between two bats is required for temperature changes.

C. Installation of Aluminum profiles (bars)

Click the aluminum bars into the threaded sleeve (image C-1). Make sure that all Al-bar joints end up in the middle of the threaded sleeve (on top of the adjusting screw) with a 5 mm gap between the bars. This makes it easier in the continuation of the assembly.

For stability and easier installation, there are shelf brackets that can be hooked onto the threaded sleeve. These shelf brackets can be used for transverse bars for extra stability during installation. These can remain or be removed and used at the next joint - the shelf bracket has no load-bearing function.

In the threaded sleeve there must be a gap of 5 mm between each aluminum bar to make room for thermal expansion and movements (image. C-2).

When finishing against a wall, the c/c distance between the last bars should be a maximum of 600 mm (for large loads a maximum of 400 mm).

Tip:
When you have reached 2.4 m into the room, you can start laying the floorboards. It provides stability and greater flexibility and free work space in the room if you install Al-bars and boards simultaneously.

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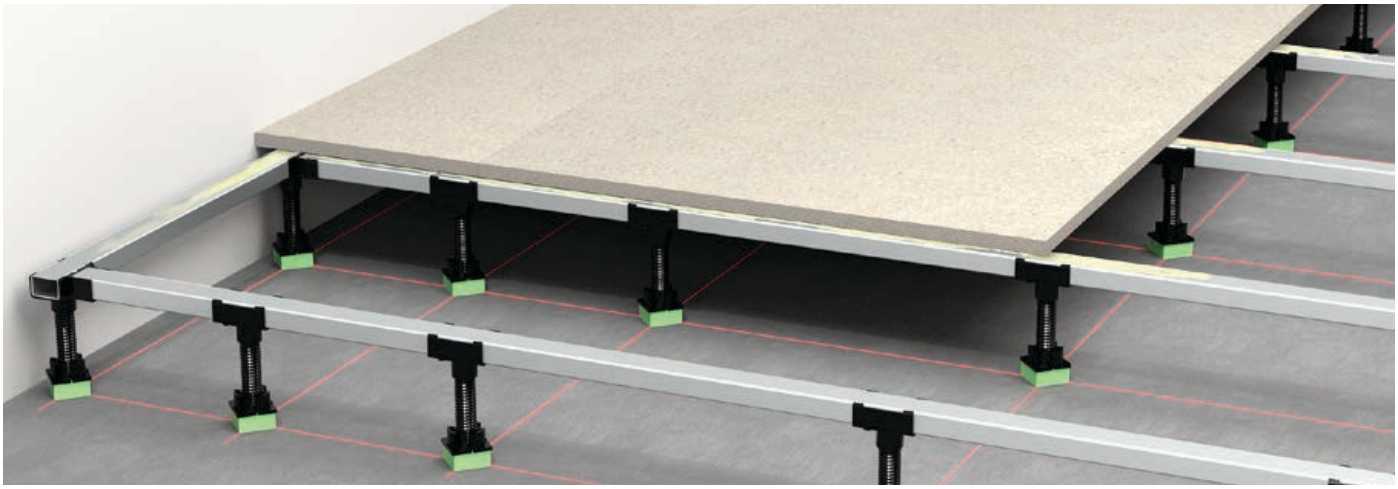

Image D-1: Glue the floor boards to the bats.

Image E-1: Finished VT-dBlock Floor System ready for floor covering.

D. Laying of floorboards

Start by laying floor boards along the starting wall. Apply plenty of glue on the Al-bars, we recommend type Bostik Maxi Bond or equivalent - for gluing of tongue and groove in floorboards, use glue according to the board supplier's instructions. The first floorboard is also screwed with some self-drilling screws (3.8-5 x 41-48 mm), at least 3 per Al-bar for the first board. Laying floorboards can be done in parallel with the installation of Al-bars.

Floorboards with tongue and groove are glued in accordance with the supplier's instructions. Board joints are placed on the centre of the Al-bar, with the exception of the bars along the wall (image D-1).

Continuous height control is recommended - it is easy to adjust a screw before continuing with the next row of boards.

E. Floor covering

Floor coverings such as wooden floors, parquet, tiles, carpets, etc. can now be laid. Follow the supplier's instructions and make sure that the floor covering does not come into contact with the surrounding walls as this may cause creaking and an acoustic short circuit.

To ensure noise reduction; fill all gaps along the wall with elastic sealant type VT-FAS.

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