

Assembly instructions

Qboard[®] liquid
Quality Board

Assembly instructions for Qboard® liquid

General instructions

The Qboard® shower unit consists of a shower element and a drain system. Both components fit into each other and form a unit.

System components

Shower unit

PE-ring

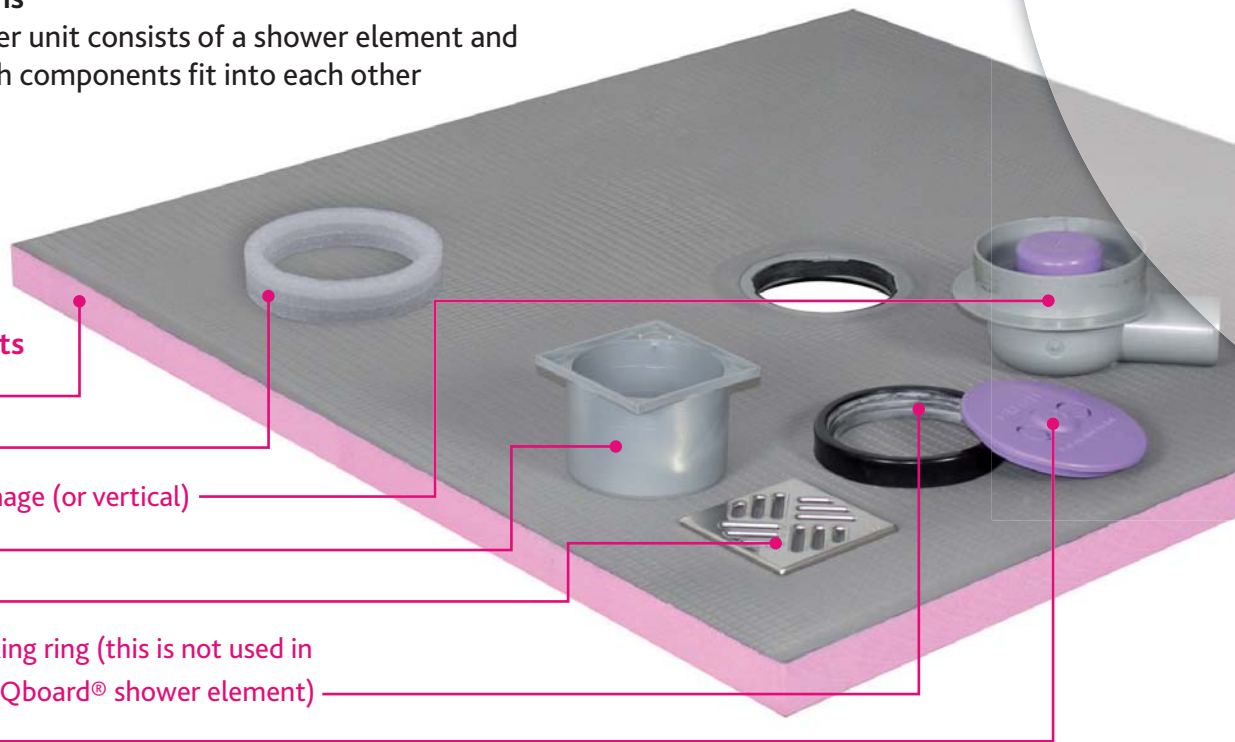
Horizontal floor drainage (or vertical)

Attachment piece

Steel grate

Sealing ring with locking ring (this is not used in conjunction with the Qboard® shower element)

Gravel guard



The floor drain is inserted into the existing on-site DN 50 drainpipe. The floor drain is aligned at the centre. The height offset from the top surface of floor drain to the screed top surface is about 22 mm (see height offset drawing). For impact sound-proofed floor structures the installation of a suitable sound insulation and edge insulation strips should be planned.



Before installing the levelling screed, the supplied PE ring is first slid over the drain so that a recess around the drain remains. Then, the gravel guard is fitted. The bottom recess around the DN 50 drain pipe is now filled with a levelling screed (grout, screed premixed mortar) and smoothed off at the required height. The floor drain must be mortared in such a way that it can be rotated, to accommodate loads. The vertical offset for screeds results from the thickness of Qboard® liquid (40 mm) + 5 mm mortar bed.



After curing of the levelling screed the gravel guard is first removed from the drain and the PE-ring is removed again. A suitable adhesive (as ceramic adhesive / flexible adhesive) is then applied over the entire surface of the liquid Qboard® bottom with a notched trowel.

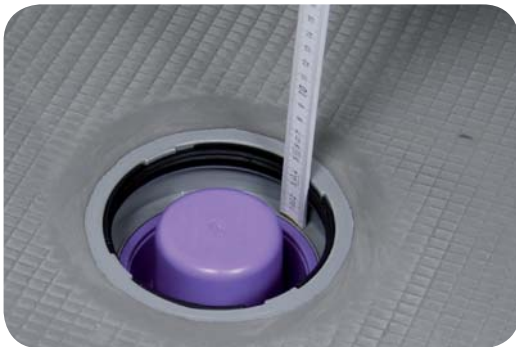


Note: Qboard® liquid can be tiled directly. In principle, all tile types and sizes can be used. Particular requirements for the ceramic tiling are only mosaic tiles \leq Note 25 mm. Here we recommend the tile joints are filled with an epoxy resin grout.

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The bottom seal of the shower element is greased. Subsequently, the shower unit is inserted into the floor recess, so that the drain slides in the sealing ring.



In order to have a watertight connection between the shower element and to ensure drainage, the measurement of the inner edge (see Fig.) should be 36-46 mm.

For better bonding Qboard® liquid can then be weighed down evenly.



All joints are sealed with the q-sealing tape using tile adhesive.



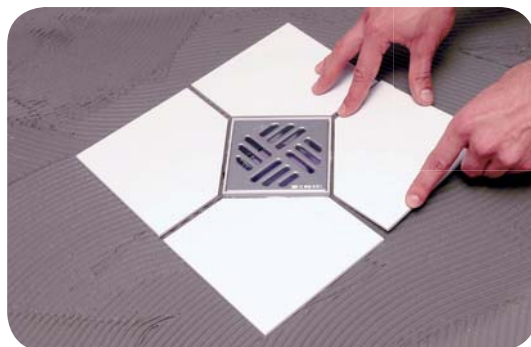
The q-drain system is height adjustable. This ensures that virtually any desired tile thickness can be used. For this, the top section is cut to length depending on the tile thickness to the desired height.

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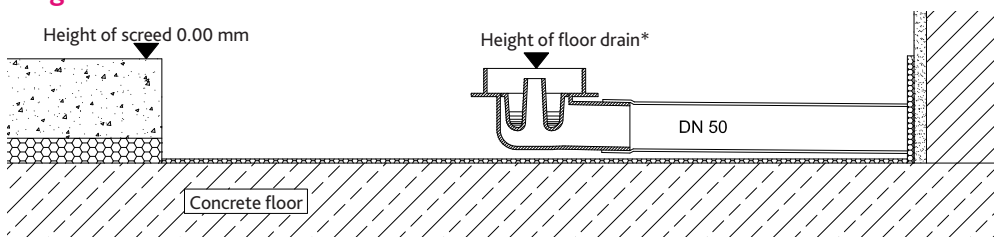
The upper seal ring (pressure seal) is taken out of the shower element. This sealing ring is not needed in connection with the q-execution system. The top section is then inserted into the floor drain.



The exact height adjustment can be made when laying the tiles. Finally, the stainless steel grate is used and the shower element can be tiled.

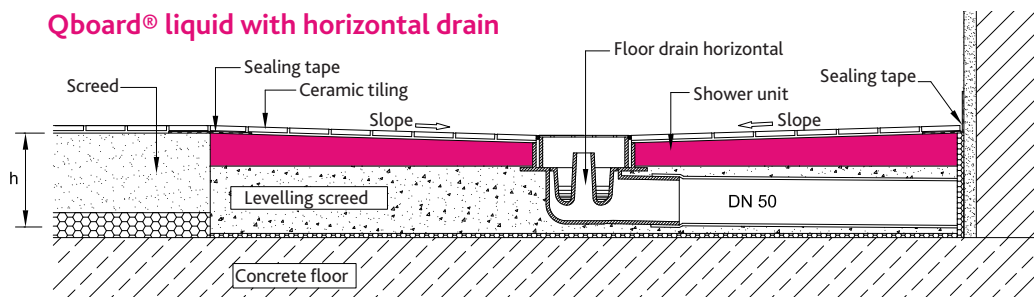


Height offset



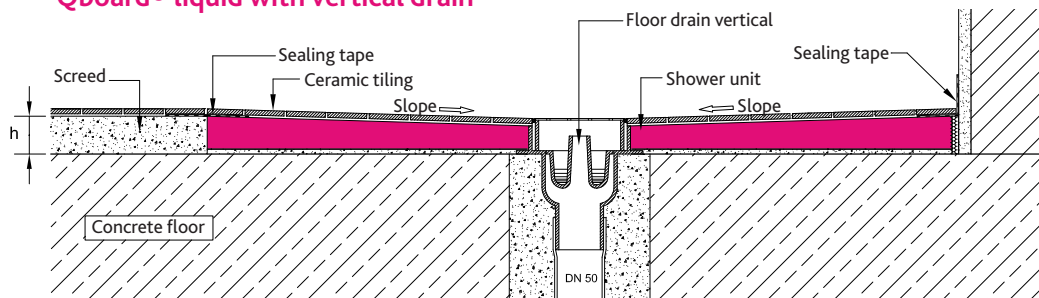
- *Height of floor drain: -22 mm (for 900 x 900, 1000 x 1000, 1200 x 1200 with centre drain position)
- 30 mm (for 1600 x 900, 1400 x 900 with offset drain position)
- 38 mm (for 1800 x 900 with offset drain position)

Qboard® liquid with horizontal drain



- Minimum installation height (h) = 110 mm (900 x 900 centre, 1000 x 1000 centre, 1200 x 1200 centre)
- = 120 mm (1600 x 900 offset, 1400 x 900 offset)
- = 125 mm (1800 x 900 offset)

Qboard® liquid with vertical drain



Installation height (h) = 45 mm (Shower unit thickness 40 mm + adhesive mortar 5 mm)
The floor drain must be mortared along the periphery.

Please note

The information in this publication is based on our current knowledge and experience. They are not guarantees in the legal sense. During application, the specific conditions of the use case must always be taken into account, especially in terms of building physics, structural engineering and building regulations.

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