



LINEAR 72 + WOOD  
Installation instructions  
Timberframe constructions



# Accessories

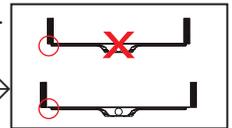
## Attention!

Please check before installation if the products aren't damaged.  
The products are manufactured in accordance with the approval SC0252-14.  
Check the water tightness of the drain after connecting the waste pipe.  
Never install damaged products.  
Slope of drainpipe +/-1%.

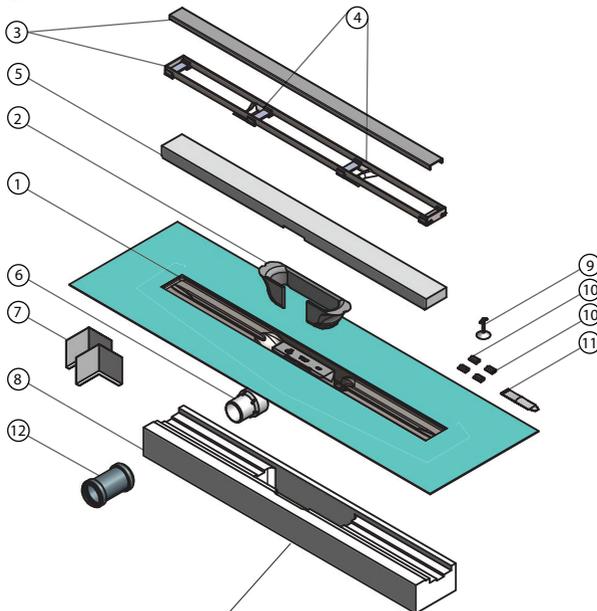


All the products with the following icon (such as cement grout remover, drain cleaner) can not be used in combination with our drain.  
Solvents, such as acetone, are not allowed.  
When using liquid sealing or waterproofing membrane, make sure it is compatible with the pre-mounted membrane of the drain.  
In case of doubt, contact I-Drain.

The drainpipe must be connected directly and independently into the stack  $\geq \varnothing 110$  mm.  
Always use a flexible, tile adhesive (NEN EN 12004C2).  
If under floor heating is being installed do not install the heating pipes within 50 cm of the drain.  
The drain can never be installed under a wall (see drawing).  
The waterproofing (membrane or liquid) must overlap the pre-mounted membrane completely.

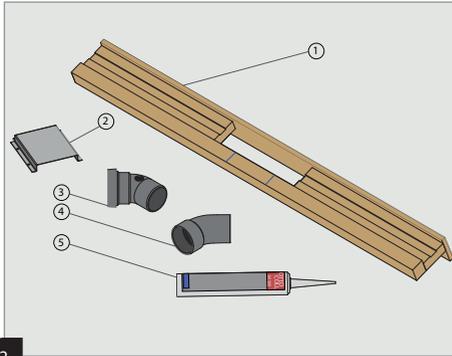


## Content Drain Box



This part isn't necessary when the drain is mounted in a wooden construction.

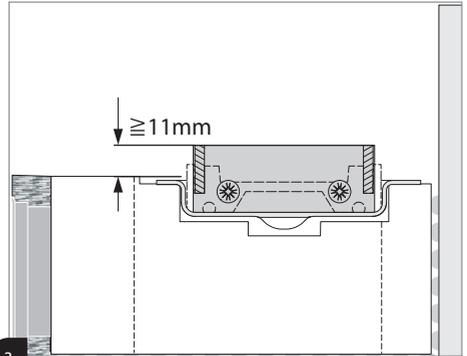
- 1 Drain DN50 with the pre-mounted waterproofing membrane and siphon 2 Rubber insert 3 Grating and finishing profile 4 Water buffers 5 Tile mould 6 Outer screw part 7 PVC corner pieces 8 Installation mould 9 Suction cup 10 24x riser blocks 2,5mm + 12x riser blocks 5 mm 11 Silicon Grease 12 Pipe connector.



2

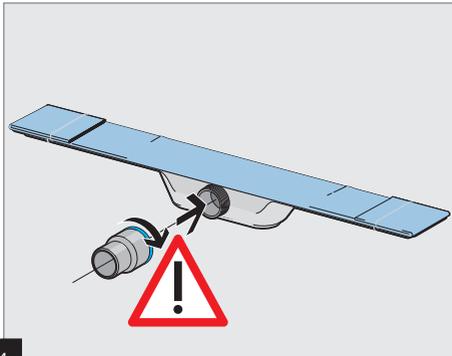
### I-Drain Wood - Content Box

- ① I-Buddy Wood
- ② Cover plate
- ③ 45° Pipe with seal
- ④ 45° Pipe without seal
- ⑤ I-Drain/Solidslope Ottocol glue



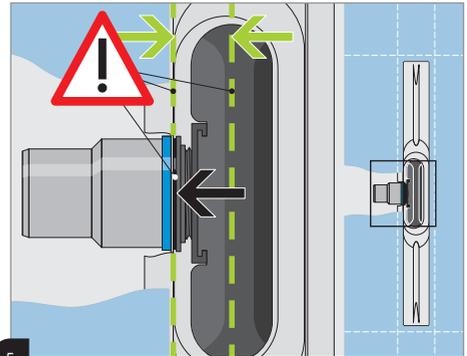
3

The total build-in height is at least 11 mm with the **Plano/Tile solid grating**.



4

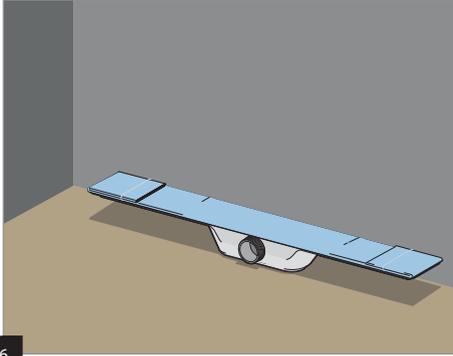
Screw the outer screw part on the inner screw part hand-tight fixed.



5

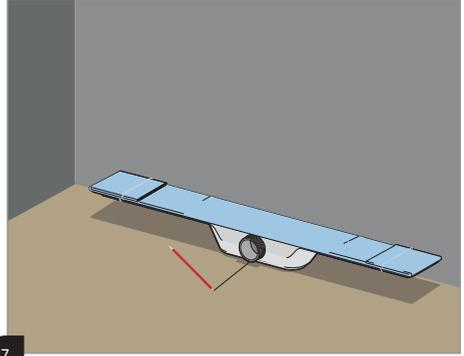
When screwing the outer screw part, you must pay attention to the exact location of the connection and the parallelism of the siphon.

# Installation



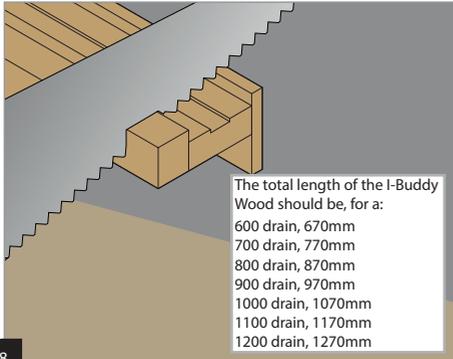
6

Determine the position of the drain in the bathroom.



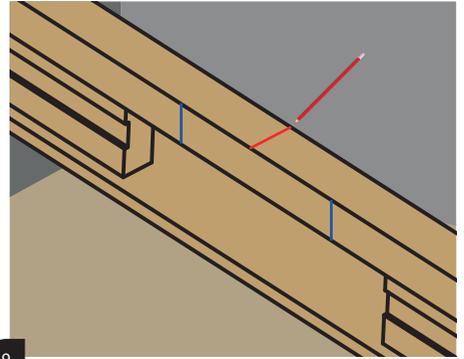
7

Draw a line on the floor to point out the center of the drain. This is also the center of the I-Buddy Wood.



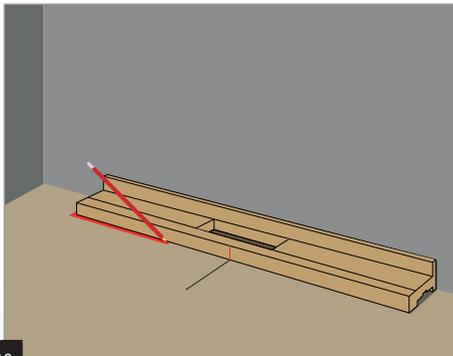
8

Cut the I-Buddy Wood to the right length, it is important to shorten both end sides evenly.



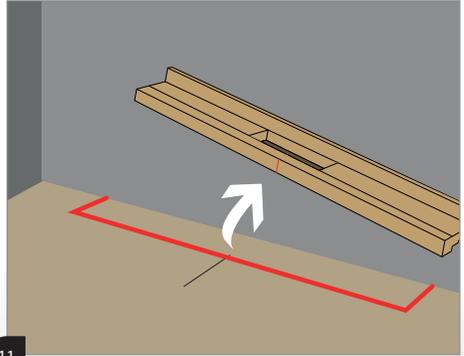
9

Draw a line on the I-Buddy Wood to indicate the midpoint.



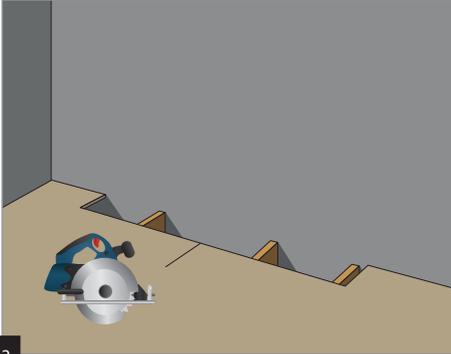
10

Turn the I-Buddy Wood upside down and position the center line of the I-Buddy Wood on the line you've drawn in step 7: the center line of the drain. Then draw the contour of the I-Buddy Wood on the floorboard.



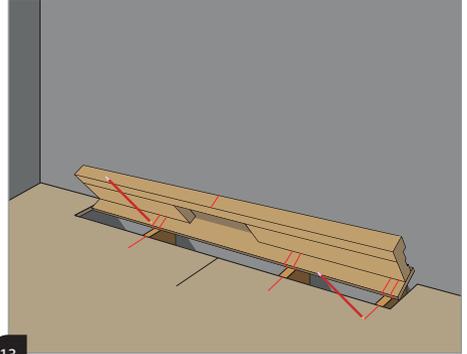
11

Then remove the I-Buddy Wood.



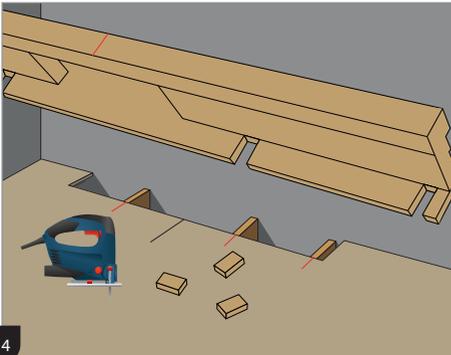
12

Cut out the opening in the floorboard marked in step 10 and make sure to only cut the floorboard and not the joists.



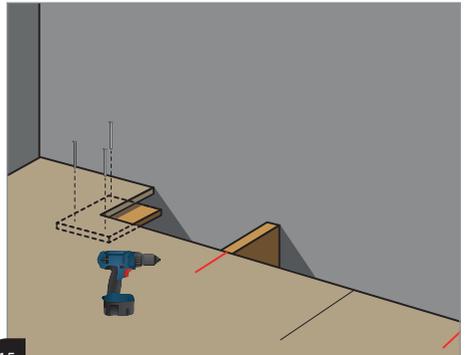
13

Position the I-Buddy Wood into the opening and mark the position of the joists on the lower flange of the I-Buddy Wood. Also mark the joists on the floorboard. Later, when the drain will be installed, you need to know where the joists are located.



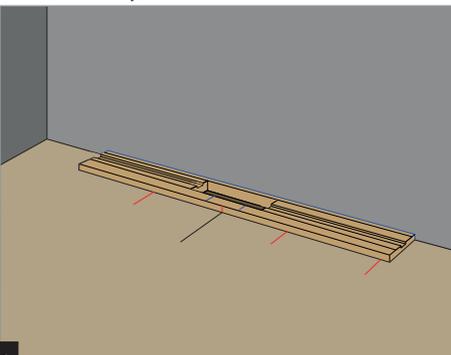
14

Cut the lower flange of the I-Buddy Wood on the marked areas where the joists are located. Make sure the cuts reach until the bottom of the I-Buddy, but don't cut in the bottom itself.



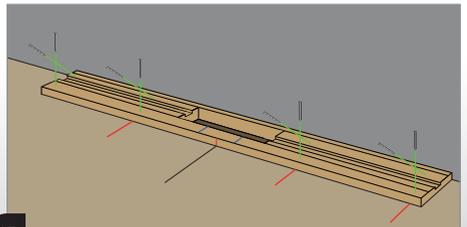
15

Make sure the I-Buddy Wood is sufficiently supported. In this drawing, there is a joist on the right end side, but not on the left end side. Extra support can be provided by mounting an extra joist or fix by screwing a piece of floorboard in the corner underneath the existing floorboard. Make sure to leave an opening of 15 mm from the wall to ensure that the flange of the I-Buddy Wood will still fit the construction.



16

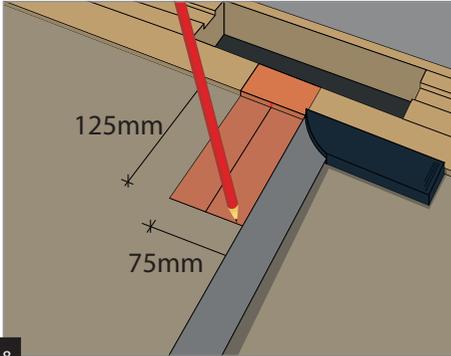
Put the I-Buddy Wood into the opening to see if it fits.



17

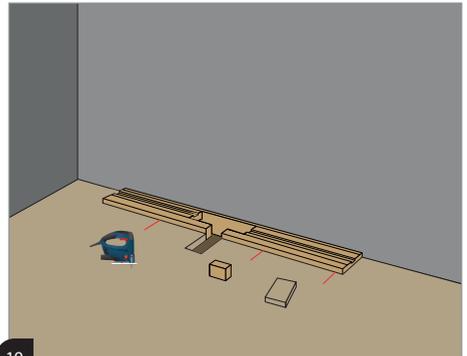
Screw the I-Buddy Wood down to the joists and the wall.

## Installation



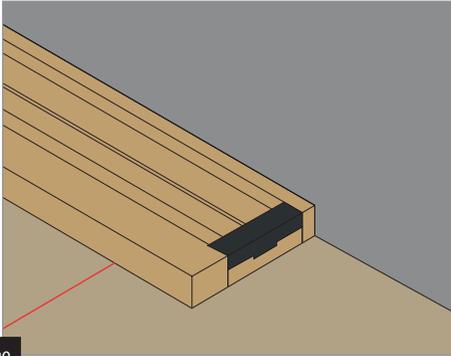
18

Use the pre-applied markings on the I-Buddy Wood to draw on the floorboard where the opening for the pipes should be located.



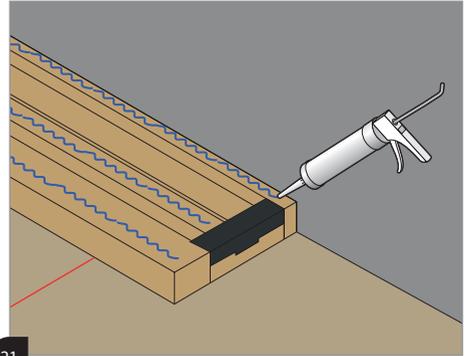
19

Now cut the opening in the floorboard and the I-Buddy Wood. Make sure the I-Buddy Wood is free of dust.



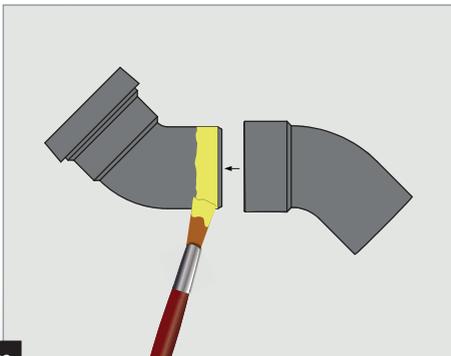
20

Now apply a foam strip (not included in the drain box or the Wood box) in the inner part of the end sides of the I-Buddy Wood. These foam strips prevent liquid screed from flooding underneath the drain.



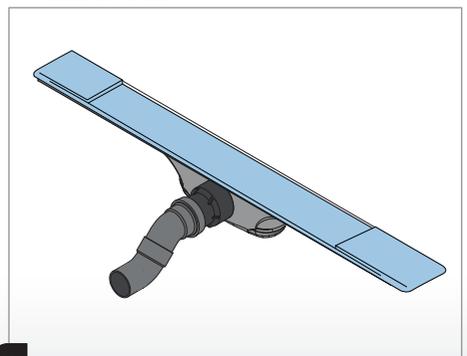
21

Prepare to mount the drain, apply adhesive (included in the package) on both the flanges and in the slot of the I-Buddy Wood. For this application, Ottocol from I-Drain/Solidslope must be used.



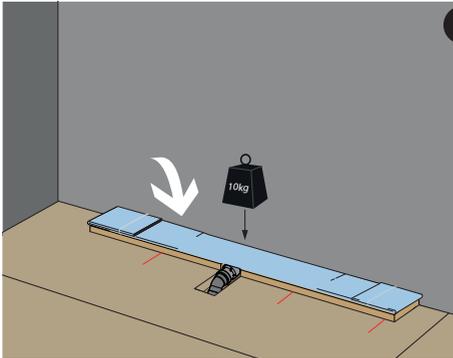
22

Use PVC glue (not included in the package) and connect the two 45° pipes. Use only glue that complies to the European standard EN 14680 fitted for piping systems. The end side of the pipe with the seal, goes on the drain outlet.



23

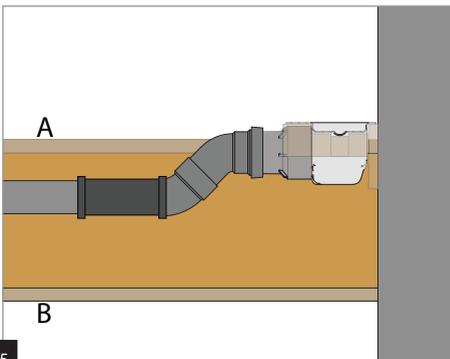
Connect the 45° pipes to the outer screw part of the drain. The end side of the pipe with the seal, goes on the drain outlet.



24

Mount the drain in the I-Buddy Wood, position the outlet in the middle of the opening sawn into the floorboard. Press the drain downward into the polymer adhesive and maintain this force by putting a weight of +/- 10kg on top of the drain, equally divided over the entire surface of the drain. Leave the weight in place until the polymer adhesive is cured.

## Connection of the waste pipe



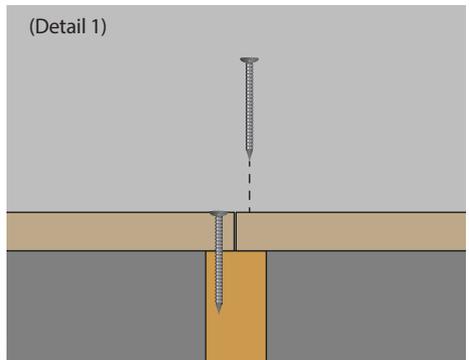
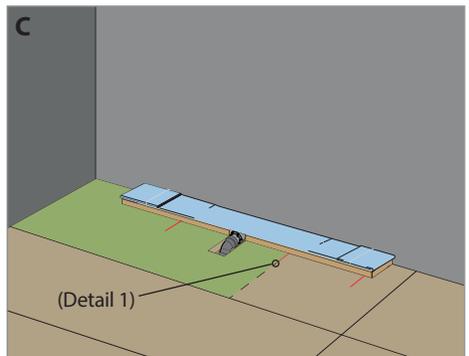
25

**A** : If the floorboards aren't mounted yet, the opening in between the joists is free accessible to make the connection.

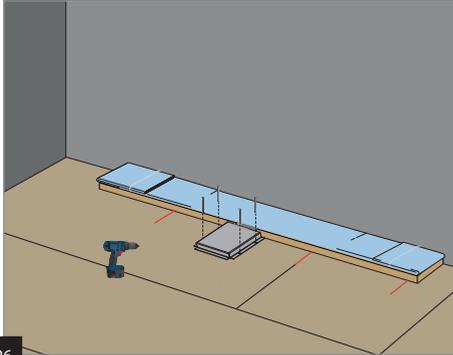
**B** : If the floorboards are mounted but the boards that make the ceiling of the room underneath aren't yet, than the waste pipes are accessible from this way.

**C** : If both the floorboard and the ceiling boards underneath are present. Than an opening in the floorboard must be made. To do this, locate a joist near to the I-buddy Wood and make a cut directly positioned in the middle on top of the joist (make sure you don't cut the joist) until you reach the adjoining floorboard. Now remove this part of floorboard.

After making the connection of the pipe with the drain, mount the floorboard back by screwing down both end sides of the floorboard on the joist where the cut was made.(Detail 1)

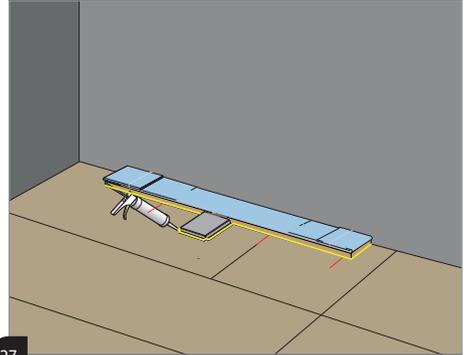


# Installation



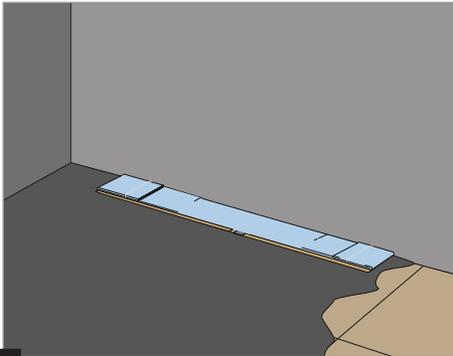
26

Fix the cover plate by screwing, to cover the hole in the floorboard.



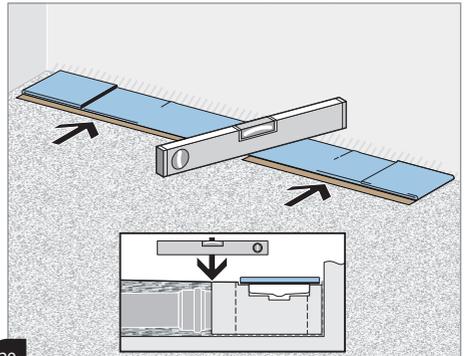
27

Finish the edges of the cover plate and the entire I-Buddy Wood with sealant (Ottocol from I-Drain/Solidslope, included in the package), make sure to close every opening to prevent liquid screed from running through.



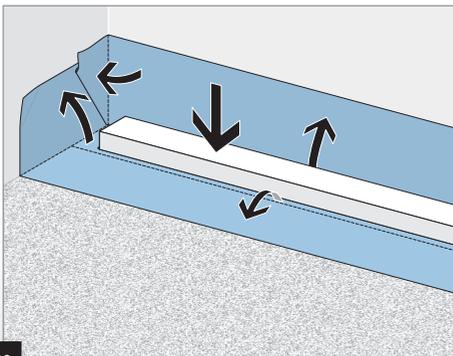
28

Check for leaks and spread liquid screed with a slope of 1 – 1,5% towards the drain.



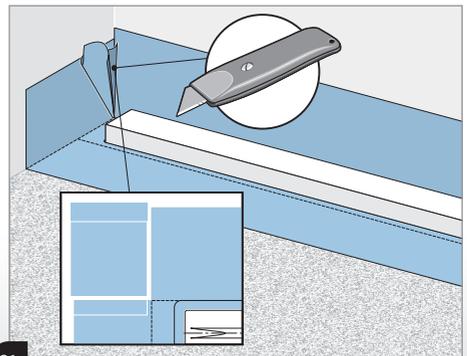
29

Equalize the screed to the I-buddy.



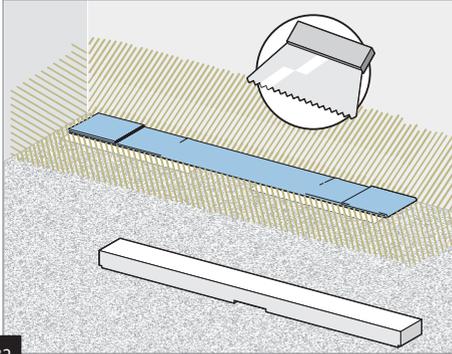
30

Unfold and press the waterproofing membrane in the corners, at the bottom and on the wall. Optionally, marking the angle.

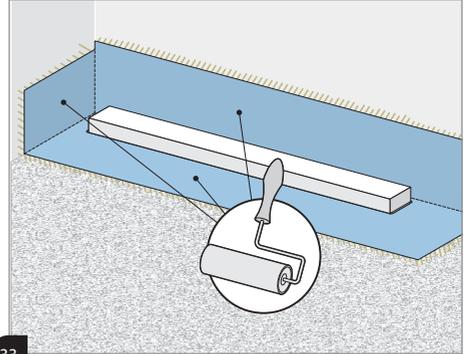


31

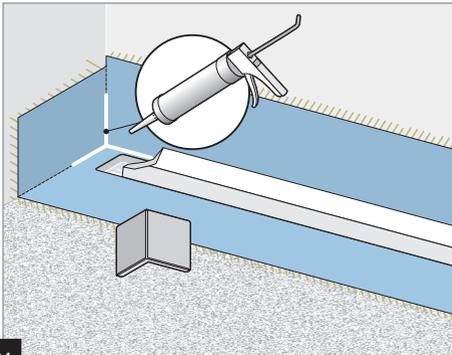
Cut the corners out of the waterproofing membrane, and fold the waterproofing membrane back together.



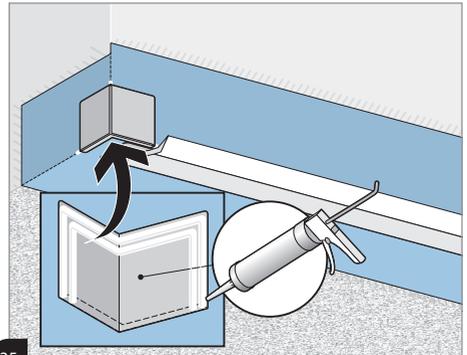
32 Spread the tile adhesive in the area of the waterproofing membrane to wall and floor.



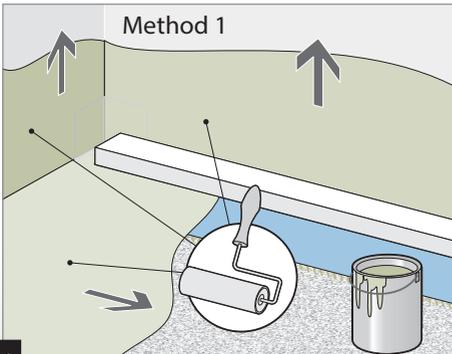
33 Unfold the waterproofing membrane and roll it on for a good adhesion.



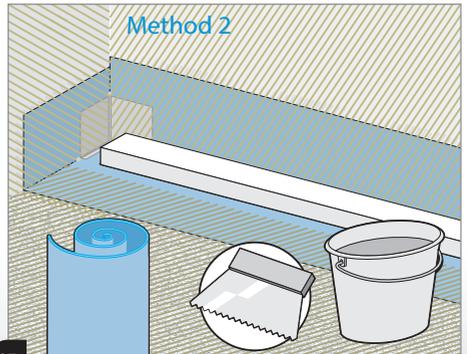
34 Spread MS polymer adhesive in the corners of the waterproofing membrane. (MS polymer adhesive – optional with I-drain).



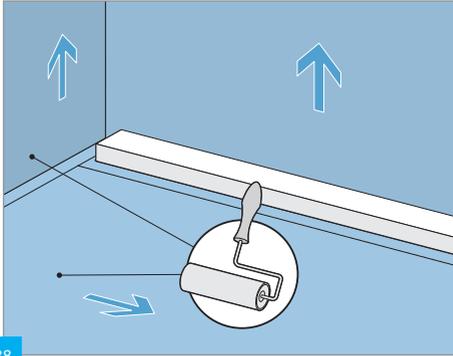
35 Spread MS polymer adhesive on the back side of the ABS corners and position it.



36 **Method 1:** You can continue with liquid sealing instead of waterproofing membrane. Apply the liquid sealing on the bottom and against the wall, completely covering the membrane.

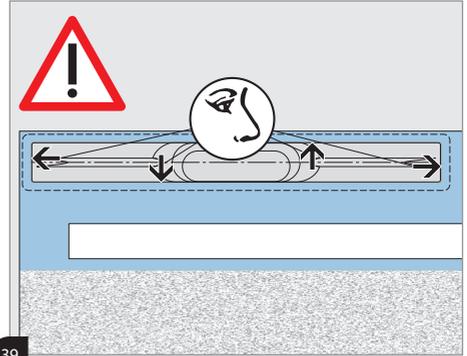


37 **Method 2:** Spread the tile adhesive (EN 12004 C2) – starting from the edge of the drain. And install the waterproofing membrane.



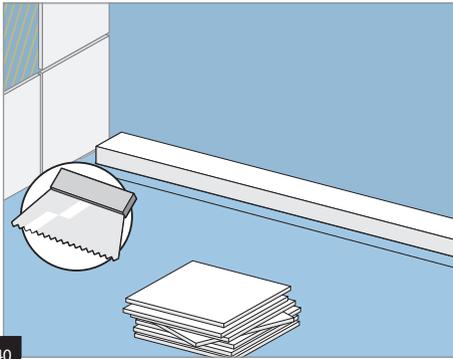
38

**Method 2:**  
roll on the waterproofing membrane for a good adhesion.



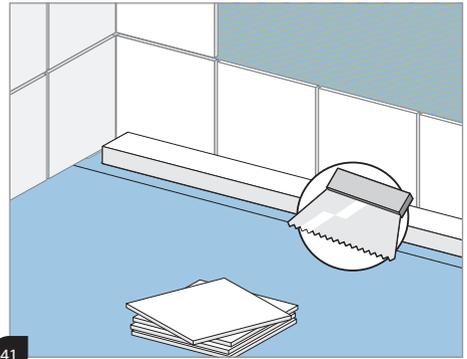
39

Remove the tile mold and check de waterproofing membrane on the inside of the drain.



40

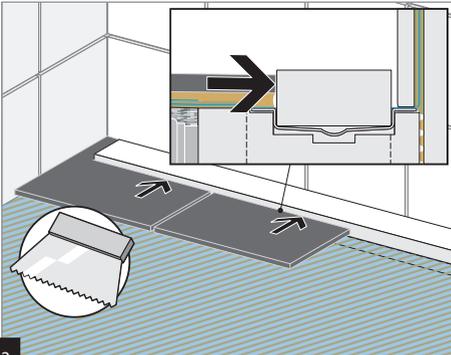
**Continuation of method 1 & 2:**  
Installation of the wall tiles.



41

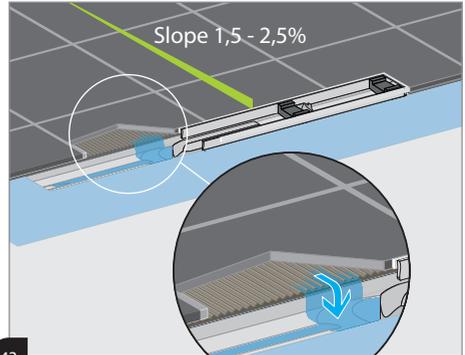
Installation of the wall tiles. Joint filler.

## Waterproofing – variants detail Front tiles



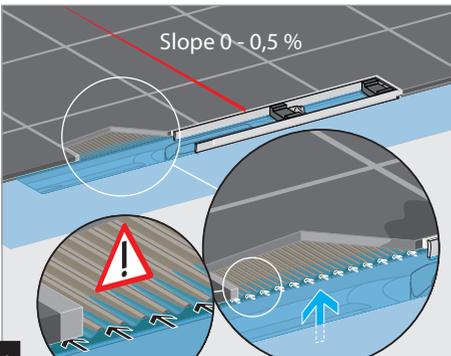
42

Spread of tile adhesive (EN 12004 C2) on the liquid/waterproofing membrane and install the floor tiles, against the tile mold.



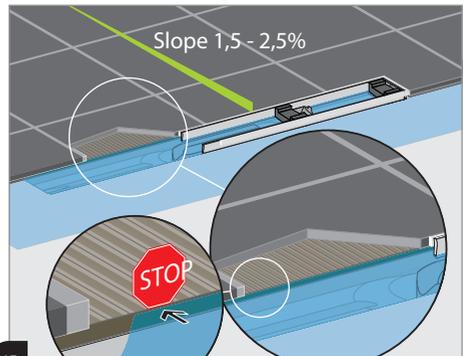
43

It can be possible that water can penetrate behind the grating frame and get under the tile due to a damaged silicone joint. The water will be derived towards the drain in case of sufficient slope. The image shows a groove structure, this structure is formed when spreading the tile adhesive with a tile comb.



44

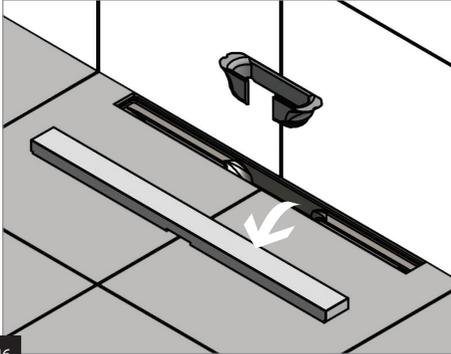
Higher leveled water, due to a blocked siphon on pipe, during use of the shower, can cause water under the tiles. When the opening between the tile and the membrane is not closed, discoloring of natural stone tiles can happen. It can be avoided by closing the gap between the tiles and membrane with MS polymer adhesive.



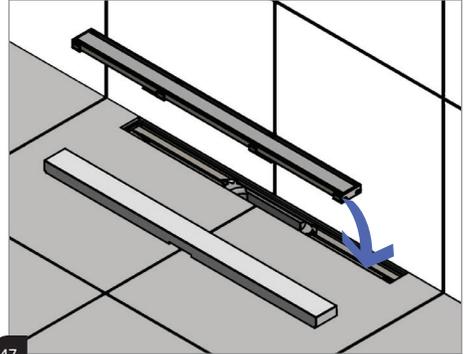
45

An optimal seal can be obtained if the tile adhesive is scraped of on the front of the tiles, so that there remains no gap at the front. In combination with a sufficient slope, the seal is ensured in any case. In this variant, there is the possibility that the water penetrates through the silicone and tile joints, and comes under the tiles and can not enter in the drain. The secondary dewatering is closed.

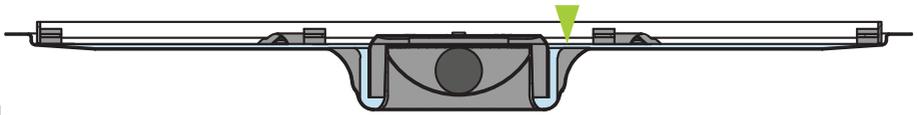
## Installation + details of the water buffers



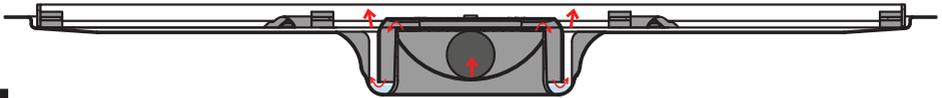
46 Remove the tile mold. Install the rubber insert.



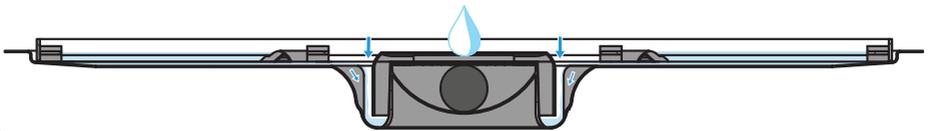
47 Put the grating in place.



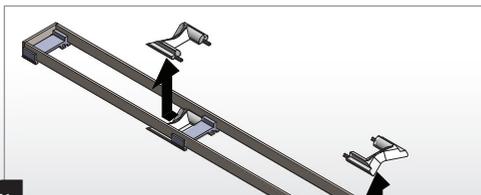
48 The height of the water in the normal state.



49 With a poor aeration of the drain pipe, there is a chance that the waste water sucks out the siphon. The water level is low and it can lead to bad smells.

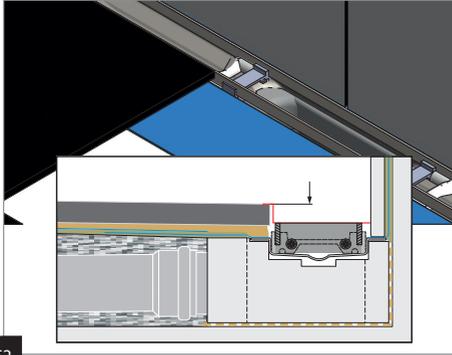


50 The water buffers buffered some water. The buffered water gradually trickles towards the siphon and recovers the water level.



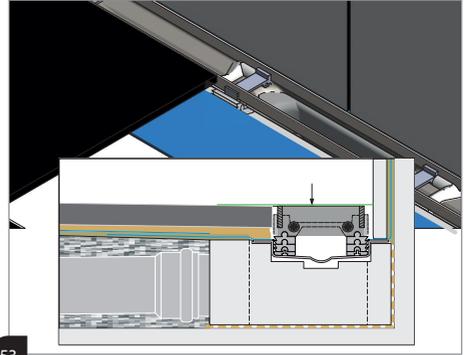
51 The water buffers are provided in the grating frame. This may be removed under normal conditions.

The water buffers are not required, with sufficient drainpipe ventilation. In normal circumstances, there is enough residual water from the shower to the siphon.



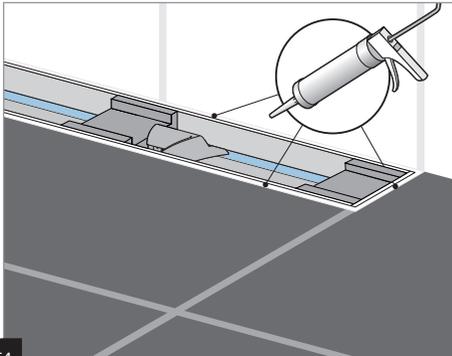
52

Put the grating in the drain and measure the difference in height between tile surface and the grid, then calculate the required numbers of the rising blocks.



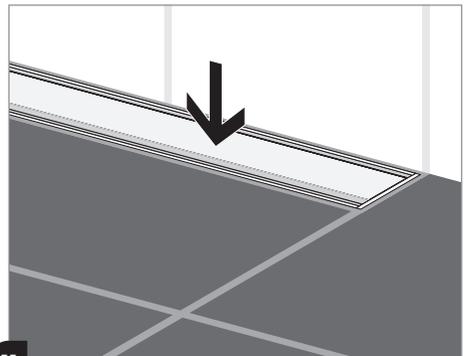
53

Take the grating out of the drain and position the riser blocks to raise the frame.



54

Apply finishing joint.



55

Position the profile in the grating.







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