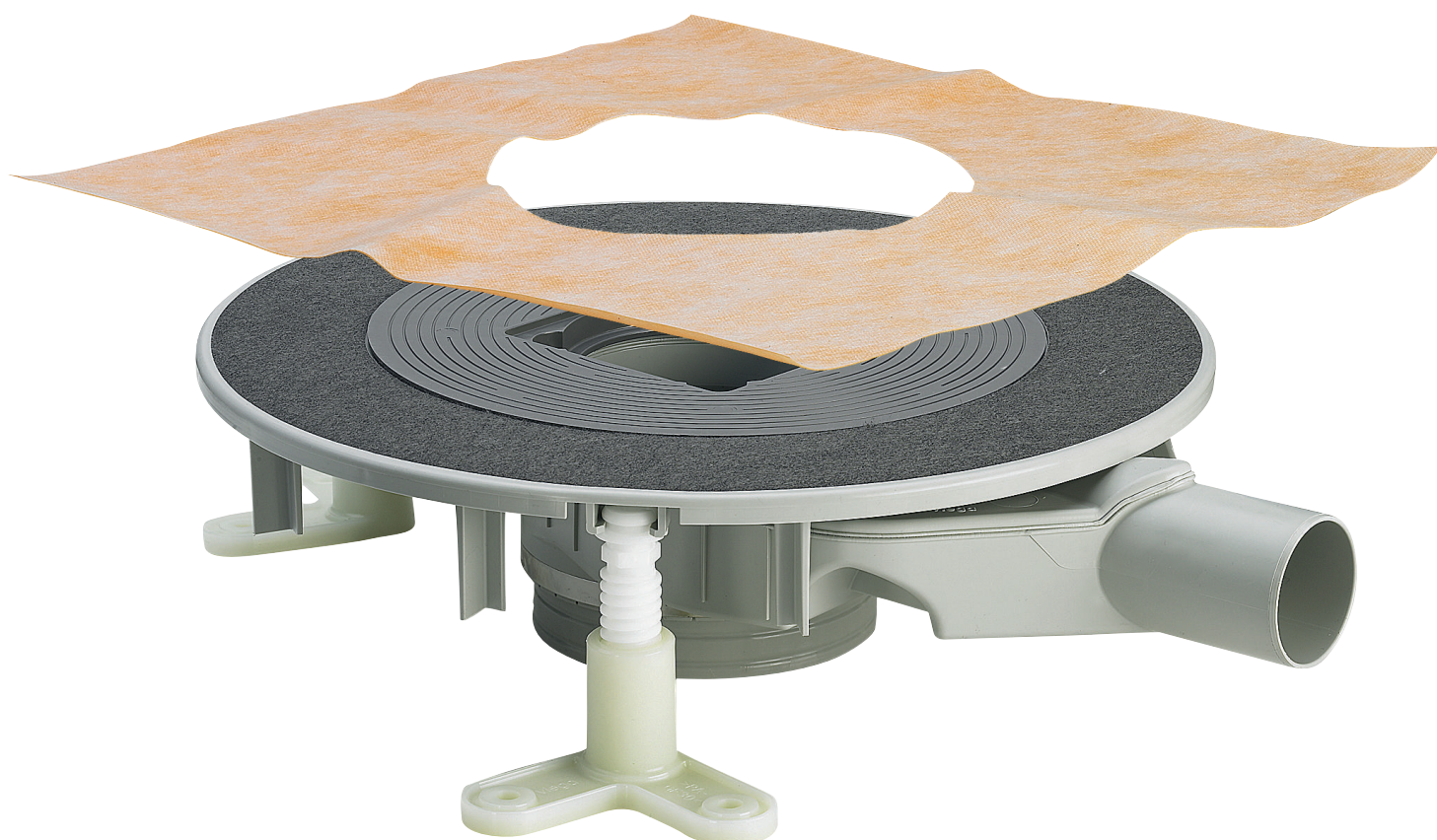


# Advantix Top bathroom drain base unit

## Instructions for Use



for bonded sealing (tiled shower) with sealing mat

**Model**  
4914.2

**Year built:**  
from 01/2010

en\_INT

**viega**



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# 1 About these instructions for use

Trade mark rights exist for this document, further information can be found at [viega.com/legal](http://viega.com/legal).

## 1.1 Target groups

The information in this instruction manual is directed at the following groups of people:

- Heating and sanitary professionals and trained personnel
- Tilers
- Consumers

It is not permitted for individuals without the abovementioned training or qualification to mount, install and, if required, maintain this product. This restriction does not extend to possible operating instructions.

The installation of Viega products must take place in accordance with the general rules of engineering and the Viega instructions for use.

## 1.2 Labelling of notes

Warning and advisory texts are set aside from the remainder of the text and are labelled with the relevant pictographs.



### **DANGER!**

This symbol warns against possible life-threatening injury.



### **WARNING!**

This symbol warns against possible serious injury.



### **CAUTION!**

This symbol warns against possible injury.



### **NOTICE!**

This symbol warns against possible damage to property.



*Notes give you additional helpful tips.*



### **1.3 About this translated version**

This instruction for use contains important information about the choice of product or system, assembly and commissioning as well as intended use and, if required, maintenance measures. The information about the products, their properties and application technology are based on the current standards in Europe (e. g. EN) and/or in Germany (e. g. DIN/DVGW).

Some passages in the text may refer to technical codes in Europe/Germany. These should serve as recommendations in the absence of corresponding national regulations. The relevant national laws, standards, regulations, directives and other technical provisions take priority over the German/European directives specified in this manual: The information herein is not binding for other countries and regions; as said above, they should be understood as a recommendation.

## 2 Product information

### 2.1 Standards and regulations

The following standards and regulations apply to Germany / Europe. National regulations can be found on the relevant web site of your country at [viega.com/standards](http://viega.com/standards).

#### Regulations from section: Sealing

Scope / Notice	Regulations applicable in Germany
Stress class of the underground, as well as suitable bonded sealing	ZDB-Merkblatt 8/2012
Stress class of the underground, as well as suitable bonded sealing	Leitfaden zur Abdichtung im Verbund (AIV)
Approved bonded sealings with proof of practicability in keeping with building law for stress classes A and AO	ETAG 022 T1
Approved bonded sealings with proof of practicability in keeping with building law for stress classes A, B and C	DIBt-Bauregelliste A, Teil 2 des DIBt und Prüfgrundsätze für Abdichtungen im Verbund (PG AIV-F)
Permitted bonded sealings	EN 14891

#### Regulations from section: Media

Scope / Notice	Regulations applicable in Germany
Typical domestic wastewater	DIN 1986-3

### 2.2 Intended use

#### 2.2.1 Areas of use

The drain is designed for small to medium volumes of water, which occur in e. g. residential building.

Technical information, see  Chapter 2.3.2 „Technical data“ on page 8.

## 2.2.2 Media

- The short-term temperature of the wastewater may reach up to 95° C. The temperature must be considerably lower in constant operation.
- The pH value must be higher than 4 but lower than 10.

It is not permitted to introduce wastewater which would damage the product material.

## 2.2.3 Drainage capacity

The drainage capacity is dependent on the chosen installation height.

The drainage capacity is 0,75 l/s up to 0,8 l/s with horizontal DN 50 drain support..

## 2.3 Product description

### 2.3.1 Overview

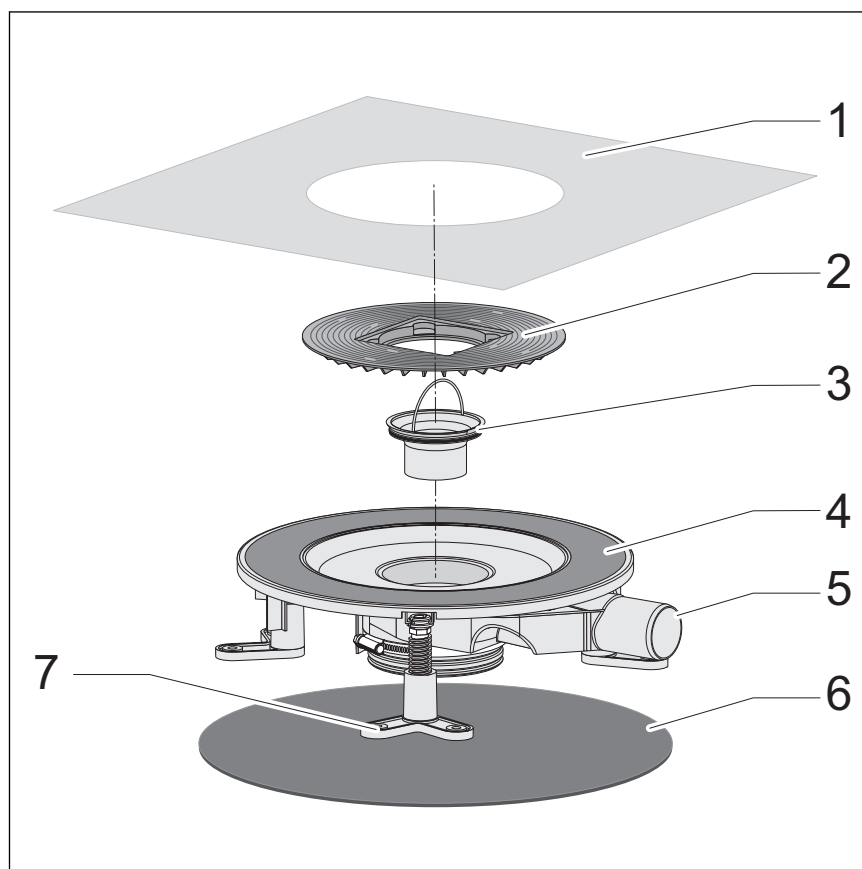


Fig. 1: Scope of delivery model 4914.2

- 1 - sealing collar
- 2 - insert ring for top
- 3 - immersion pipe
- 4 - flange for the application of the bonded sealing

- 5 - base unit
- 6 - sound protection mat
- 7 - adjusting feet

## 2.3.2 Technical data

Nominal width [DN] (drain support)	50
Drainage capacity	↪ Chapter 2.2.3 „Drainage capacity“ on page 7
Dimensions and installation height	↪ Chapter 3.1.2 „Installation dimensions“ on page 13
Water head seal	30 up to 50 mm
Load class	corresponds with the load class of the top used

## 2.4 Information for use

### 2.4.1 Installation variations

#### Installing in a bare concrete floor

The mounting of the drain in a bare concrete floor is as follows:

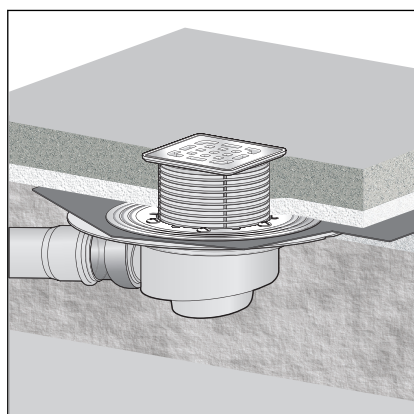


Fig. 2: General installation example – Floor recess

- The drain is placed in a floor recess and then cast-in.

## Mounting on a floor

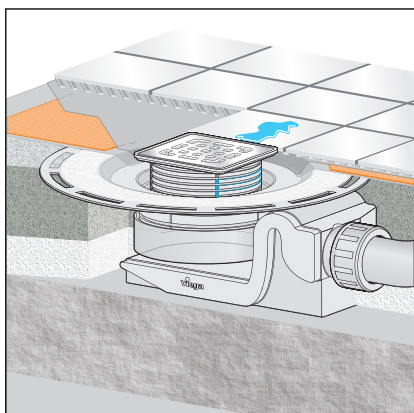


Fig. 3: General mounting example – Mounting on the floor

During the mounting on the floor, the drain is integrated into the floor construction. At the same time, it can e. g. be integrated into the leveling screed or heat insulation. If necessary, a vertical drainpipe can be led through a drill hole in the floor at the same time.



### NOTICE!

The creation of a floor recess must be agreed with the following people:

- a structural engineer
- the on-site fire protection inspector or the specialist engineer for fire protection

If necessary, proof of compliance with building code or an expert's report must exist.

## 2.4.2 Sealing

### Bonded sealing

To protect against moisture penetration, apply sealing foils, which are to be processed in liquid state, directly below the tiles on screed and walls. The determination of the stress class and the underground as well as the selection of the suitable bonded sealing must be carried out in compliance with the valid standards and regulations, see: [„Regulations from section: Sealing“ on page 6.](#)

The bonded seal can be applied directly onto the drain flange.

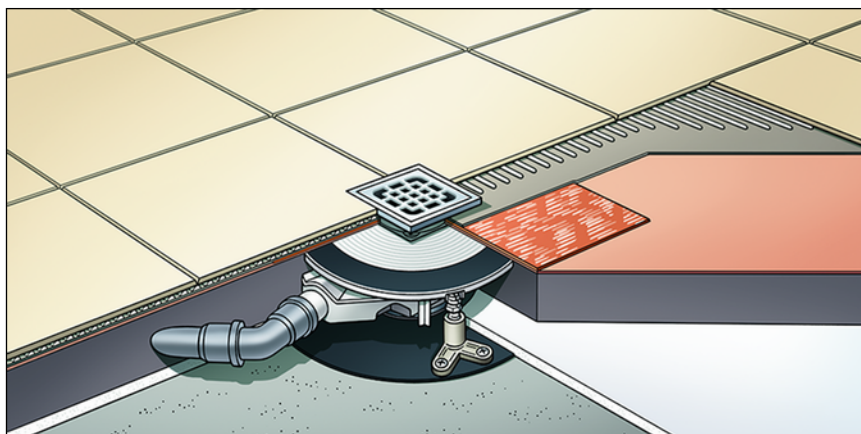


Fig. 4: Diagram of a bonded seal

### Important note

Careful planning is required for professional sealing. In addition, depending on the individual dampness wear class and the type of foundation, a suitable BS system with a building regulations certificate of suitability must be chosen.

Furthermore, the following factors should be taken into account:

- Drain or shower channel must be equipped with a special flange, which has an adhesive surface and a width of at least 30 mm.
- For bridging the material change from drain to screed, either a suitable sealing collar or sealing tape designed for overlapping with the BS over a width of at least 50 mm must be used.
- The screed must be laid at a minimum incline of 1–2 %.
- The installation must be carried out properly in acc. with the mounting instructions and the manufacturer's information.

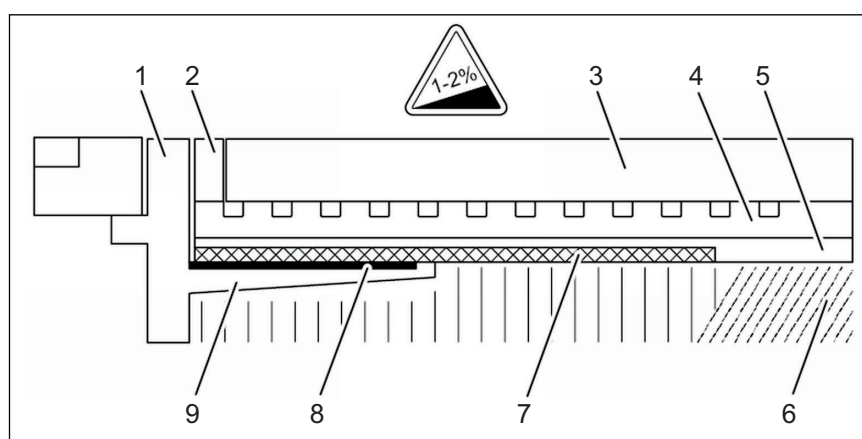


Fig. 5: Construction diagram of the bonded seal - min. screed incline 1–2 %

- 1 - Grate
- 2 - Top piece with adhesive flange
- 3 - Tile
- 4 - Tile cement
- 5 - Bonded sealing
- 6 - Screed

- 7 - Sealing collar
- 8 - Mat
- 9 - Adhesive flange

### Permitted bonded seals

In connection with suitable drains, only approved bonded sealings with proof of practicability in keeping with building law may be used. See [„Regulations from section: Sealing“ on page 6.](#)

Information regarding the procedure can be found in the instructions for use of the corresponding product.

### 2.4.3 Fire protection

Advantix shower channels and drains can both be fitted to be fire proof. The R120 pipe lead-in can be used for this purpose in the floor construction. In this way, a fire resistance time of up to 120 minutes can be achieved.

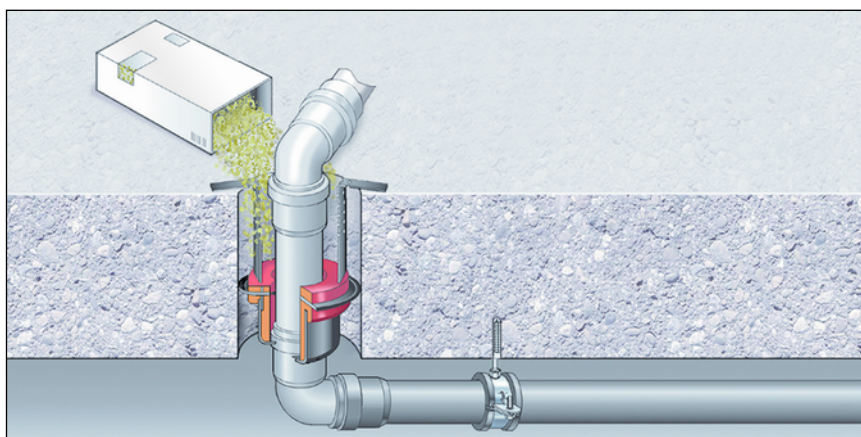
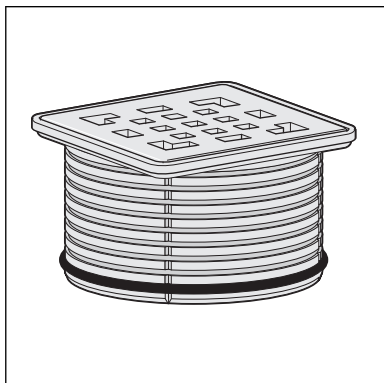


Fig. 6: Example: fire protection pipe lead-in

Mounting instruction of the R120 pipe lead-in see model 4923.5, Art.-No. 491 673.

## 2.5 Required accessories

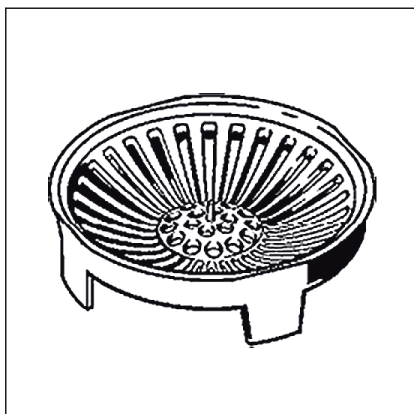
### Top



A top must be purchased separately to complete the mounting of the drain.

Advantix tops are available in a number of sizes and variations. You can also only buy an Advantix top frame and then purchase a suitable designer grate separately (see catalogue).

### Sieve insert



The drain can be fitted with a sieve insert (model 4958) to collect dirt.



# 3 Handling

## 3.1 Assembly information

### 3.1.1 Important note

Before assembly:

- Check if the drainage capacity of the drain is sufficient for the arising water volume ↗ *Chapter 2.2.3 „Drainage capacity“ on page 7.*
- Check if the installation height of the drain corresponds with the planned floor construction.
- Ensure that the required connection line is installed with the necessary incline to the planned installation location.
- If necessary, supply the required accessories ↗ *Chapter 2.5 „Required accessories“ on page 12.*

During assembly:

- Observe installation dimensions.

After assembly:

- The drain flange must be fully lined with mortar.

### 3.1.2 Installation dimensions

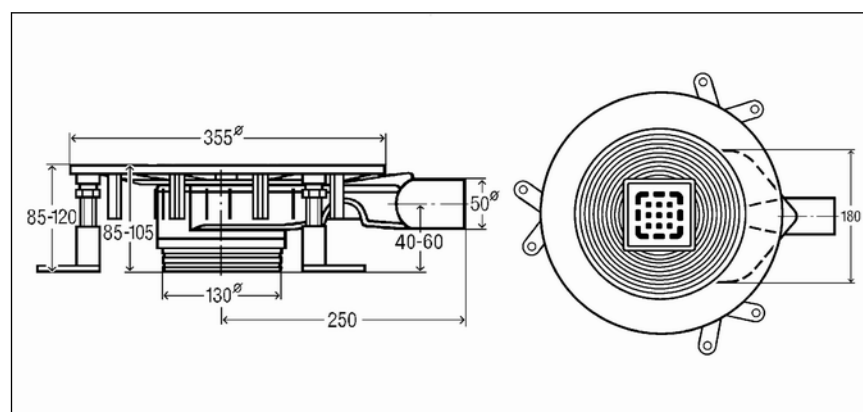


Fig. 7: Dimensional drawing model 4914.2

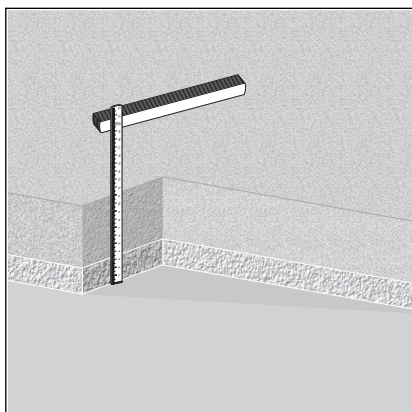
### 3.1.3 Tools and materials

#### Required material

- Top with grate
- Material for securing the drain

## 3.2 Assembly

### 3.2.1 Construction and water seal level



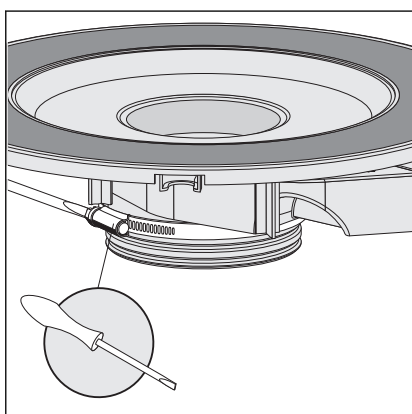
► Determine screed height.



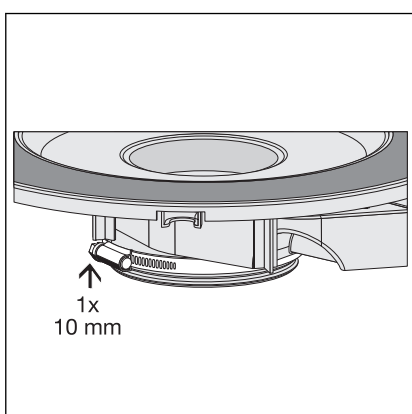
*At a desired installation height of  $\geq 105$  mm upper edge sealing flange the floor piece remains in the delivery condition.*

*The water seal level is 50 mm and the immersion pipe length 48 mm.*

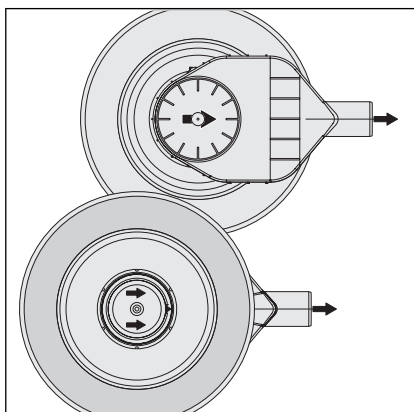
#### Installation height 96–105 mm



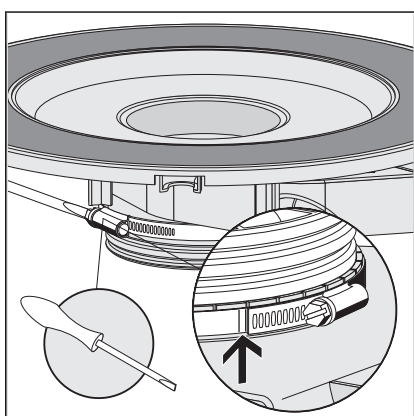
► Loosen clamping ring with screwdriver.



► Remove clamping ring and push floor piece in by one ring (1 x 10 mm).



- Align the floor in such a way that the arrows point towards the drain pipe.

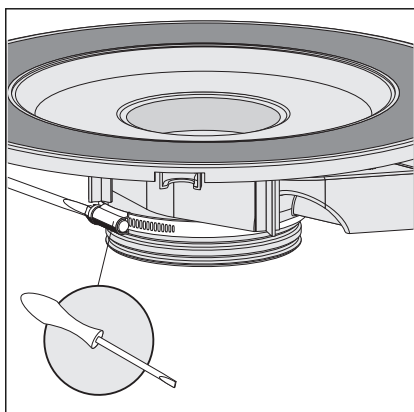


- Secure floor with clamping ring.

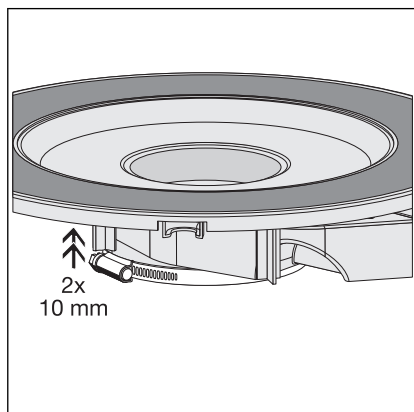
Tighten the screw of the clamping ring with max. 2.5 Nm  $\pm$  0.2 Nm. Alternatively, tighten the end of the clamping ring up to or between the markings.

- ⇒ The water seal level is 40 mm and the immersion pipe length 38 mm.

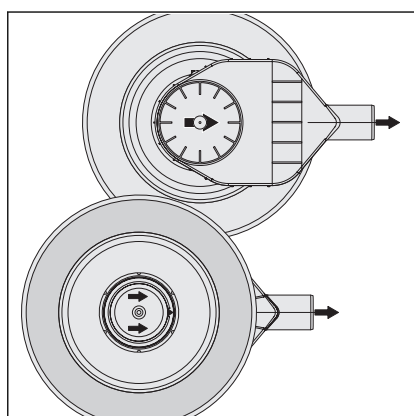
### Installation height 85–95 mm



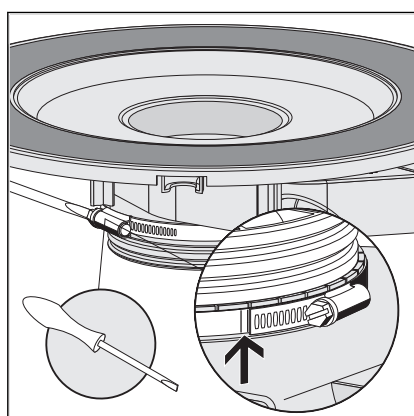
- Loosen clamping ring with screwdriver.



- Remove clamping ring and push floor piece in by two rings (2 x 10 mm).



- Align the floor in such a way that the arrows point towards the drain pipe.



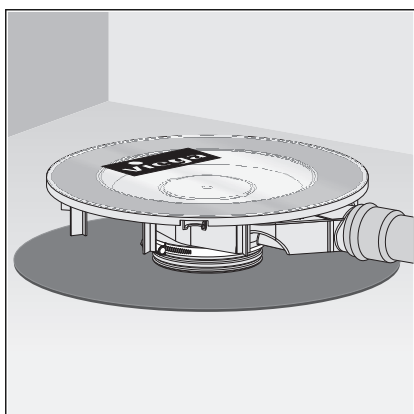
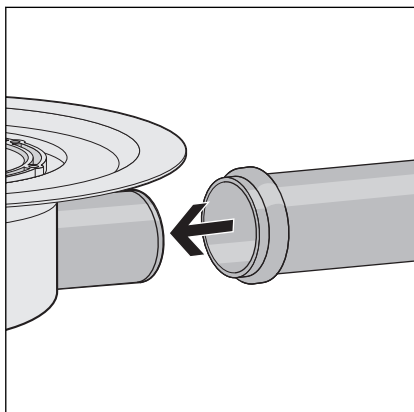
- Secure floor with clamping ring.  
Tighten the screw of the clamping ring with max. 2.5 Nm  $\pm$  0.2 Nm. Alternatively, tighten the end of the clamping ring up to or between the markings.  
⇒ The water seal level is 35 mm and the immersion pipe length 33 mm.

### 3.2.2 Mount base unit

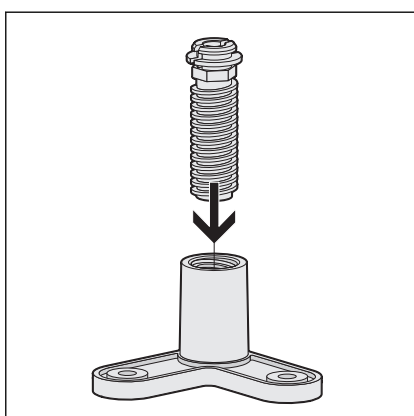
A few points must be observed to integrate the drain into the floor construction properly. For this reason, proceed as follows to prepare the drain for subsequent work:

### Requirements

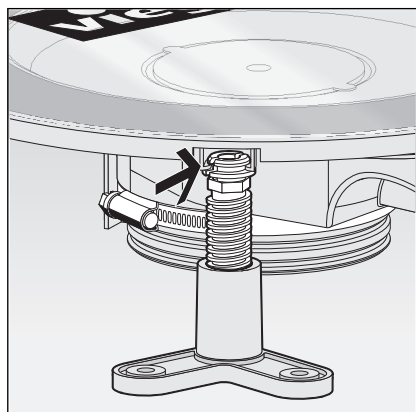
- A pipe to the planned drainage position is already in place for the connection to the waste water system.
- The drain pipe has an internal sealing lip.
- Push the drain support into the drain pipe completely.



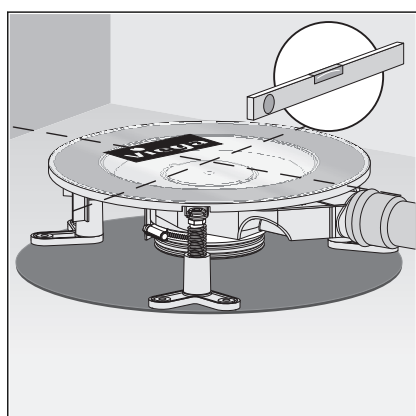
- Position bathroom drain with sound protection mat on the bare concrete floor.



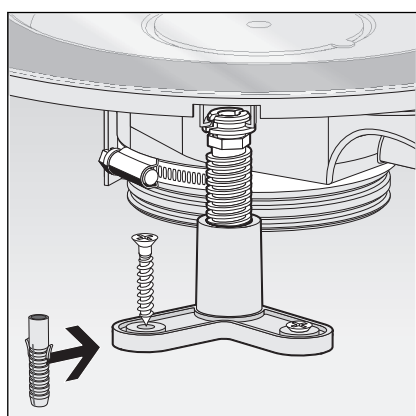
- Mount adjusting feet.



► Place the adjusting feet into the retaining brackets.



► Align bathroom drain horizontally with help of the adjusting feet.



► Secure the adjusting feet with dowels and screws supplied.

⇒ The bathroom drain can be integrated into the floor construction.



#### NOTICE!

#### Product damage due to improper installation

If hollow spaces occur during the lining of the drain, leaks may occur when pressure is applied.

Inform the subsequent workers that the drain must be fully lined and that there must be no hollow spaces.

### 3.2.3 Sealing the drain



#### NOTICE!

#### Product damage due to improper installation

If hollow spaces occur during the lining of the drain, leaks may occur when pressure is applied.

Check the proper completion of the subsequent work.

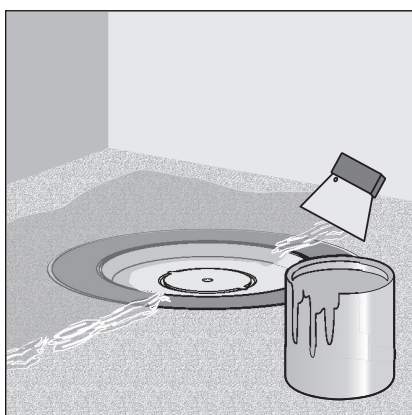
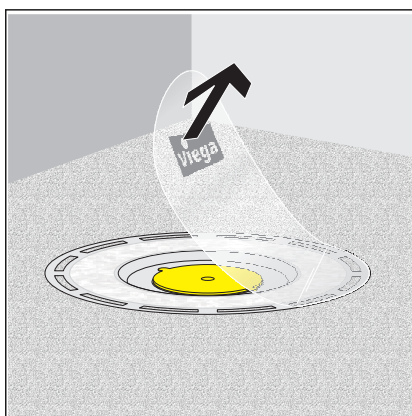


*Screed and floor tiles must be laid at an incline of 1–2 % in the direction of the drain.*

### Bonded sealing

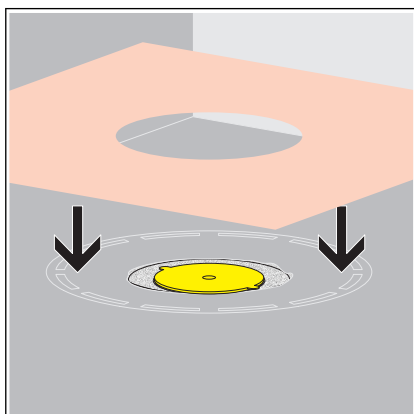
#### Requirements:

- The flange is free of heavy soil.
- The complete surface of the flange is lined with material and undamaged.
- Remove protective foil.

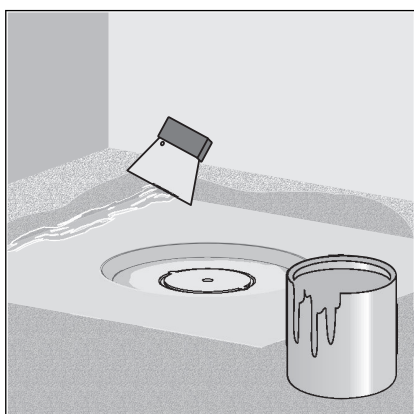


- Apply the bonded sealing on the dry screed and spread to the inner edge of the flange fleece.

**NOTICE! Observe the bonded sealing manufacturer's instructions for use.**



► Lay the sealing collar into the bonded sealing.

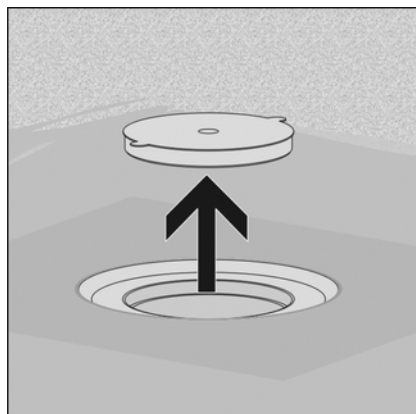


► Apply a second layer of bonded sealing onto the sealing collar and, if necessary, onto the floor.

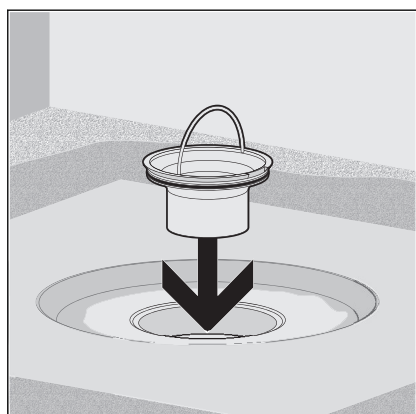


### 3.2.4 Mounting the top

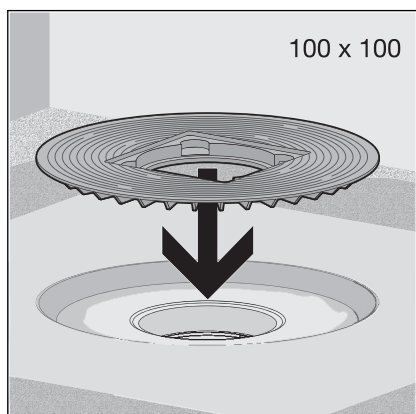
A top with the grate must still be mounted to finish off the mounting  
 ➤ Chapter 2.5 „Required accessories“ on page 12. Proceed as follows:

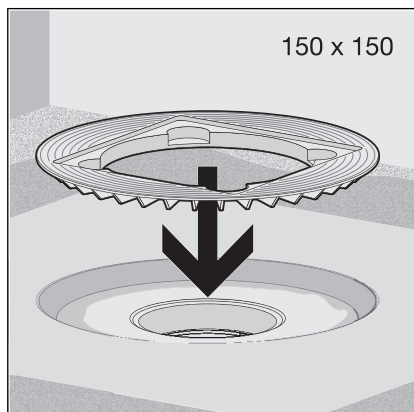


➤ Remove yellow protective plug.

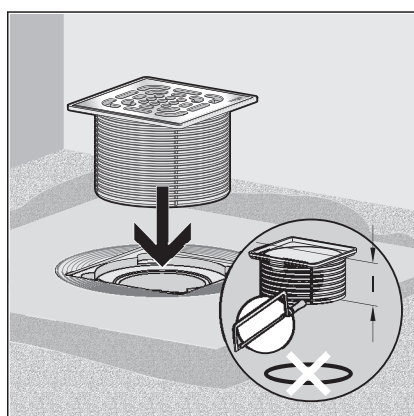


➤ Insert immersion pipe.

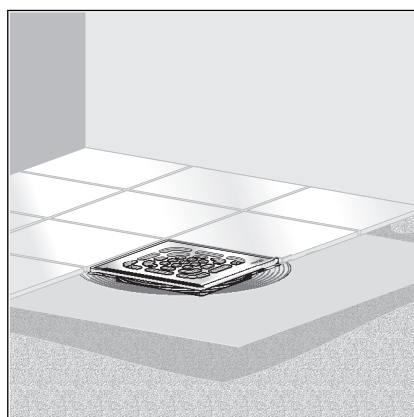




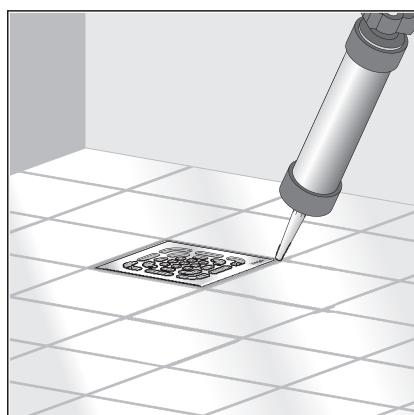
- Install insert ring. Choose size of the insert ring depending on the size of the top.



- Cut the top flush to length with the upper edge of the tiles.
- Insert top without backflow seal.



- Lay tiles. Keep gap between top and flange free from surface seal and tile adhesive.



- Close the gap between grate and tiles with silicone.

### 3.3 Care

#### 3.3.1 Care tips

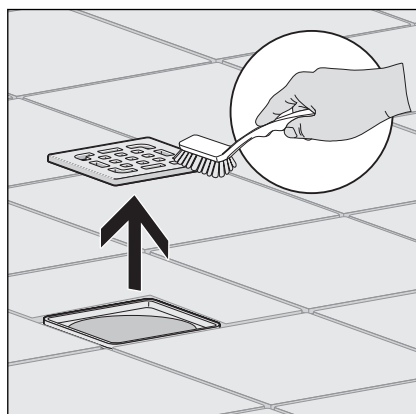
Normal soap or a mild cleaning agent can be used for regular care and prevention of lime scale on the grate and frame. Under no circumstances should scouring agent or scratching objects be used.

Strong stains, even around the drain unit and the siphon, can be removed using typical household cleaner. It should be noted that the cleaning agent should be rinsed off after the prescribed soaking time. There should be no residue on the components.

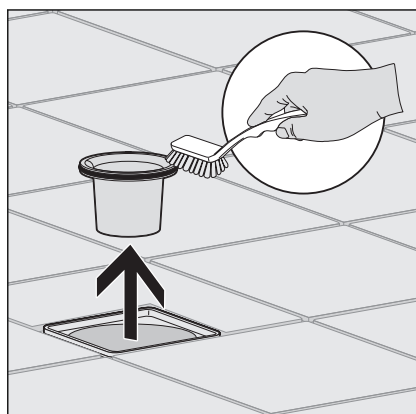
#### 3.3.2 Cleaning the drain

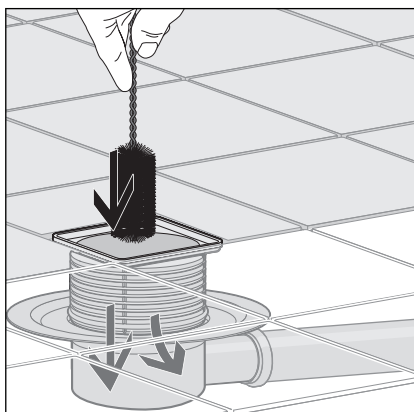
We recommend using a mild cleaning agent and a washing-up brush for cleaning.

► Remove and clean grate.



► Remove and clean immersion pipe.





► Clean drain.

► Replace immersion pipe.

► Re-insert grate.

### 3.4 Disposal

Separate the product and packaging materials (e. g. paper, metal, plastic or non-ferrous metals) and dispose of in accordance with valid national legal requirements.