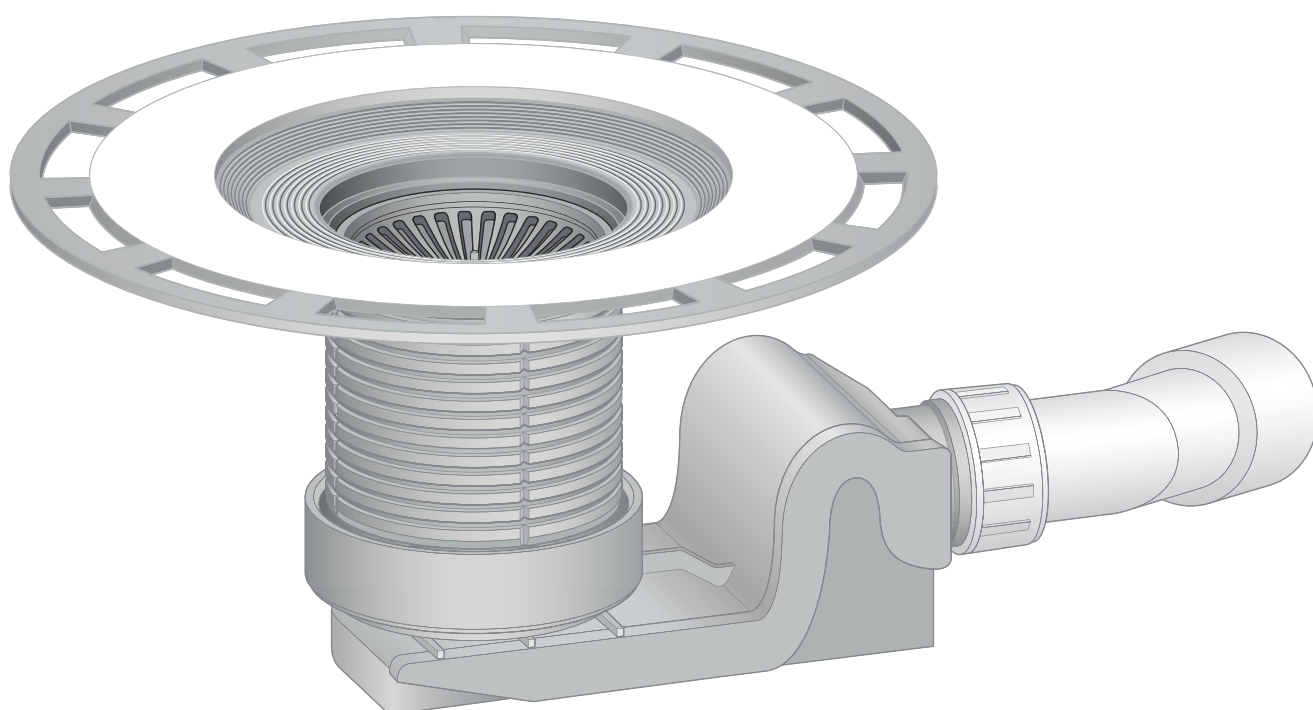


Instructions for Use

Advantix bathroom drain base unit



for bonded sealing (tiled shower) with sealing mat

Model
4927.1

Year built (from)
01/2005

viega

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1 About these instructions for use

Trade mark rights exist for this document; for further information, go to viega.com/legal.

1.1 Target groups

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

- Heating and plumbing experts and trained personnel
- Tilers
- Consumers

Individuals without the abovementioned training or qualification are not permitted 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 of possible life-threatening injury.



WARNING!

This symbol warns of possible serious injury.



CAUTION!

This symbol warns of possible injury.



NOTICE!

This symbol warns of possible damage to property.



This symbol gives additional information and hints.

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 and are provided as a support feature.

Regulations from section: Sealing

Scope / Notice	Regulations applicable in Germany
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
Sealing of inside rooms	DIN18534

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 application

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

Technical information, see [Chapter 2.3.2 'Technical data'](#) on page 7.

The drain with a horizontal mountable drain elbow is suitable for both mounting in a floor opening as well as for mounting on the floor. The 45° bent drain elbow can be set to a nominal width of 40 or 50.

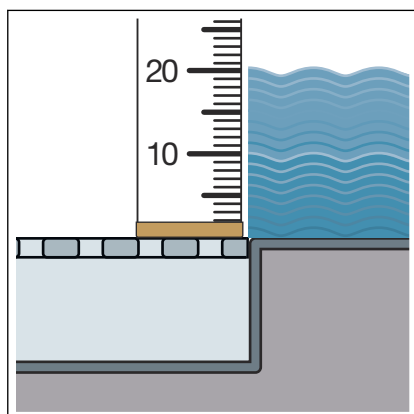
2.2.2 Media

The drain is intended for draining wastewater commonly encountered in households in constant operation, see [Chapter 2.1 'Standards and regulations'](#) on page 5.

- 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 four but lower than ten.

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

2.2.3 Drainage capacity



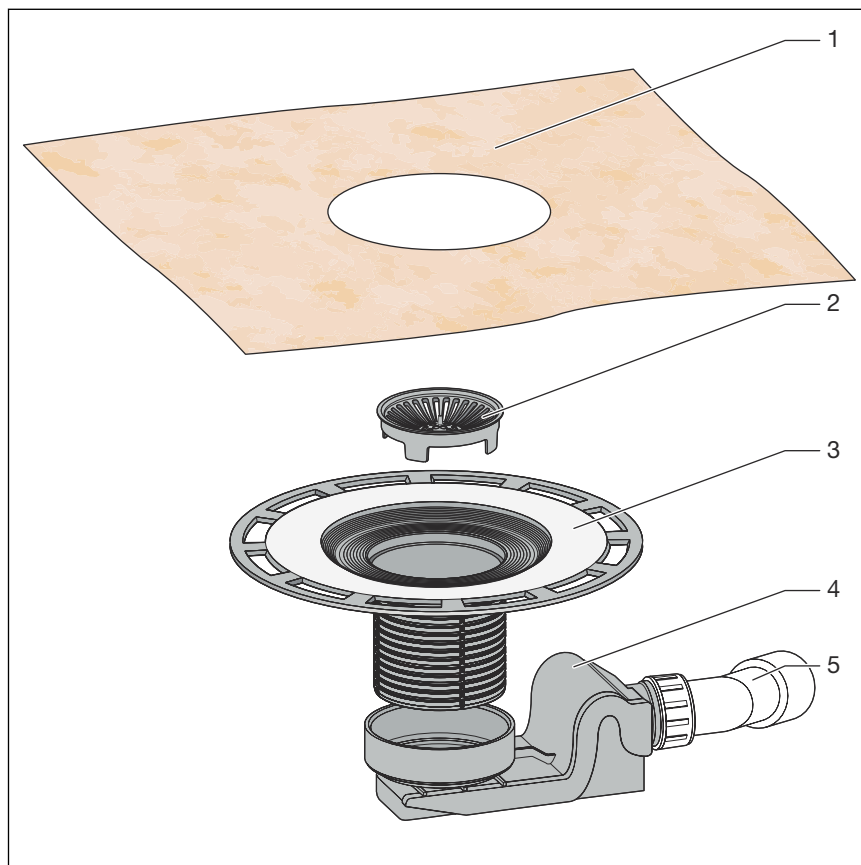
Drainage capacity at an accumulation height of 10 mm above the grate:
0.4 l/s

Drainage capacity at an accumulation height of 20 mm above the grate:
0.55 l/s

The values are dependent on the total height of the drain unit.

2.3 Product description

2.3.1 Overview



- 1 Sealing collar
- 2 Sieve insert
- 3 flange for the application of the bonded sealing
- 4 Base unit
- 5 45° angled drain socket (DN 50)

2.3.2 Technical data

Nominal diameter [DN] (drain socket)	40/50
Drainage capacity	↪ Chapter 2.2.3 'Drainage capacity' on page 6
Dimensions and installation height	↪ Chapter 3.1.2 'Installation dimensions' on page 15
Water seal level	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:

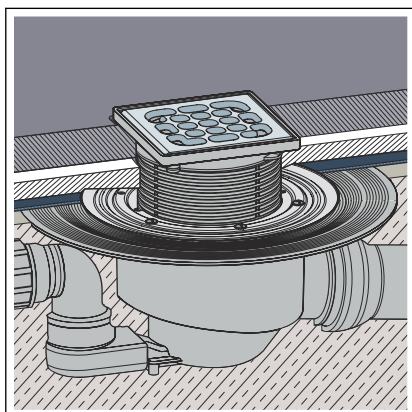


Fig. 1: General installation example – Floor recess

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

Mounting on a floor

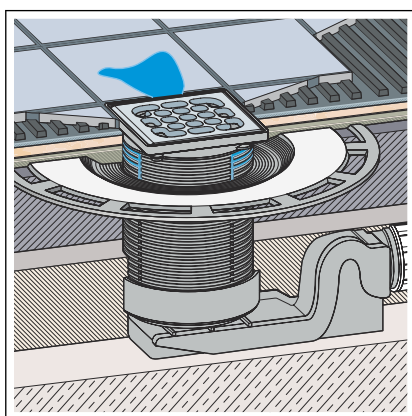


Fig. 2: General mounting example – Mounting on the floor

During the mounting on the floor, the drain is integrated into the floor construction. At the same time, the drain can e.g. be integrated into the levelling 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: [Chapter 2.1 'Standards and regulations'](#) on page 5.

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

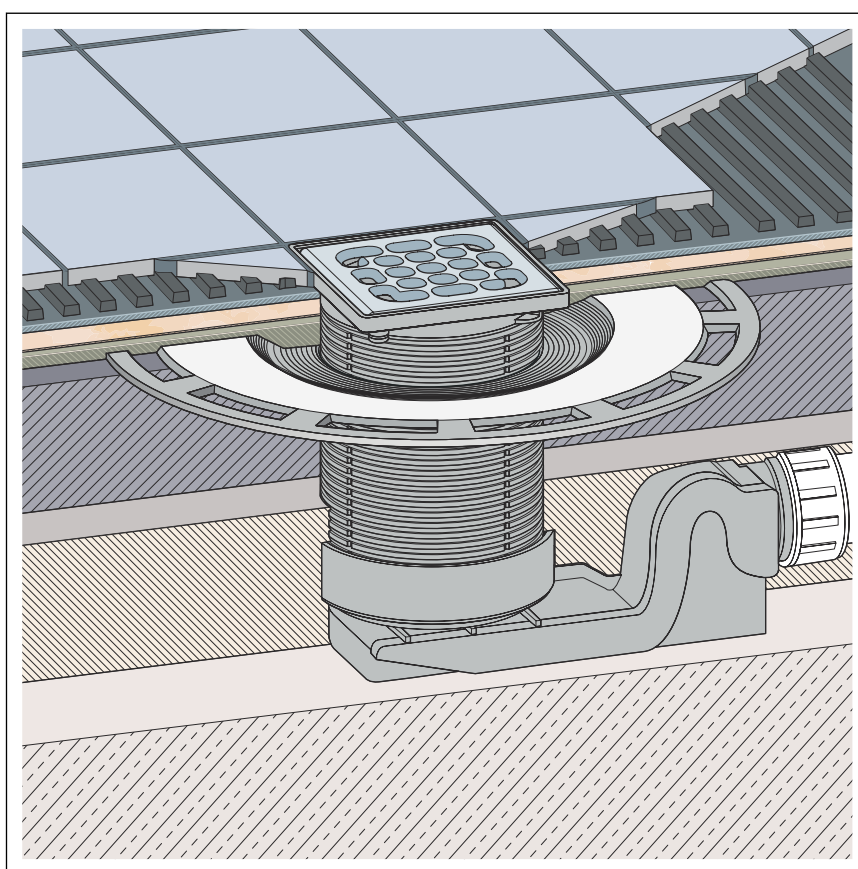


Fig. 3: Diagram of a bonded seal

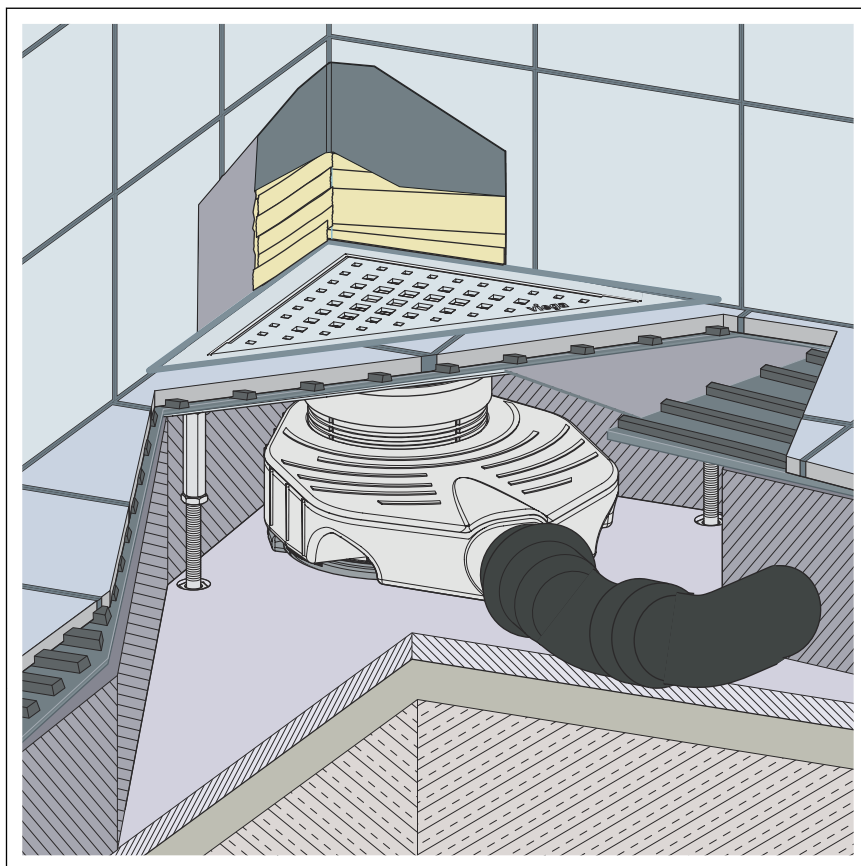


Fig. 4: Diagram of a bonded seal with corner drain

Important note

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

Furthermore, the following factors should be taken into account:

- The drain or shower channel must be equipped with a special flange, which has an adhesive surface and a width of at least 50 mm.
- For bridging the material change from drain to screed, either a suitable sealing collar or sealing tape designed for overlapping with the thin bed bonded sealing 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 in acc. with the mounting instructions and the manufacturer's information.

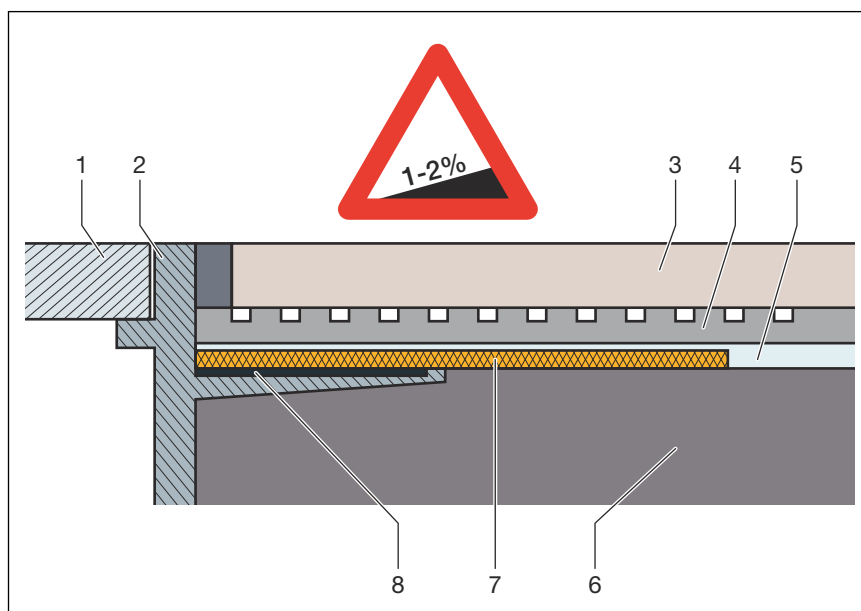


Fig. 5: Construction diagram of the bonded seal - min. screed incline 1–2 %

- 1 Grate
- 2 Top piece with adhesive flange
- 3 Tile
- 4 Tile cement
- 5 Bonded sealing
- 6 Screed
- 7 Sealing collar
- 8 Adhesive

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 [Chapter 2.1 'Standards and regulations'](#) on page 5.

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.

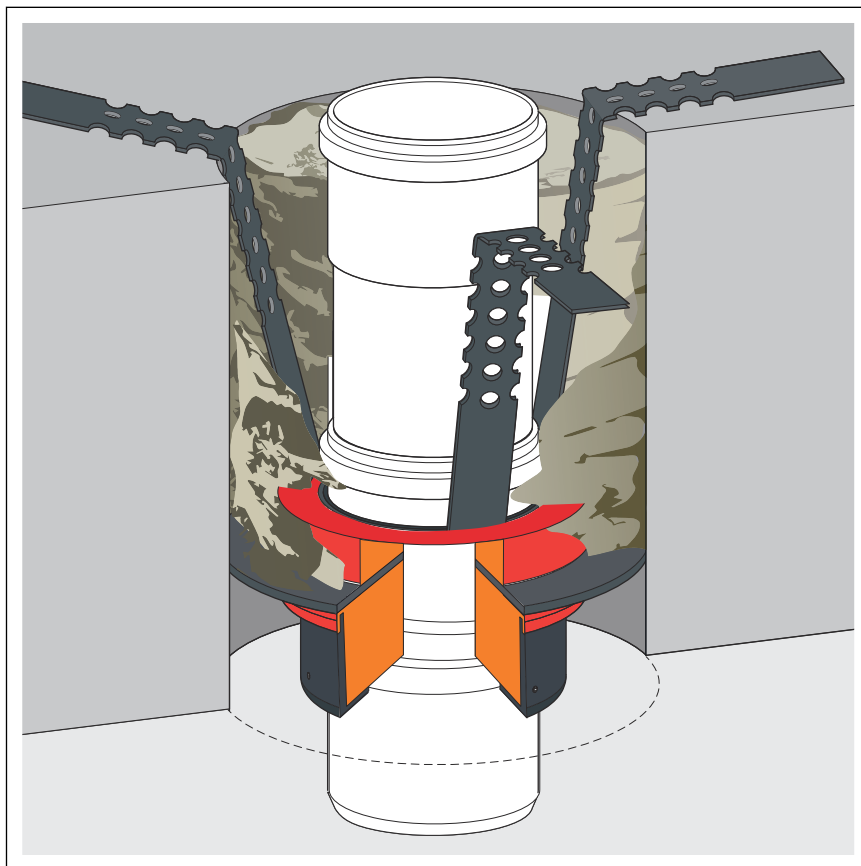
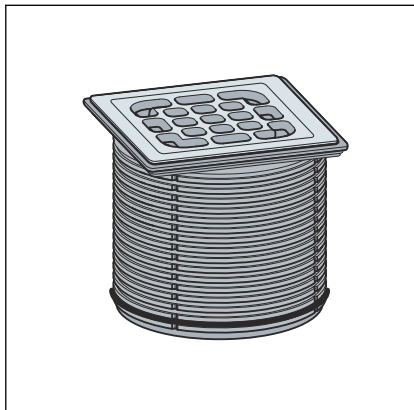


Fig. 6: Example: fire protection pipe lead-in

For mounting instructions for the R120 pipe lead-in see model 4923.5, art. no. 491 673.

2.5 Required accessories

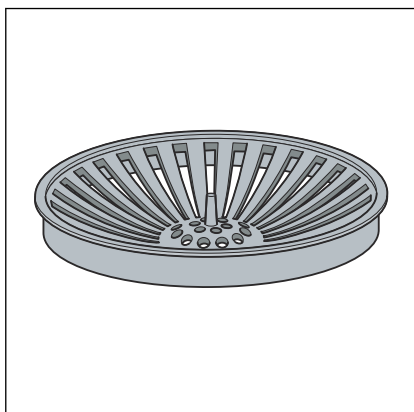
Top



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

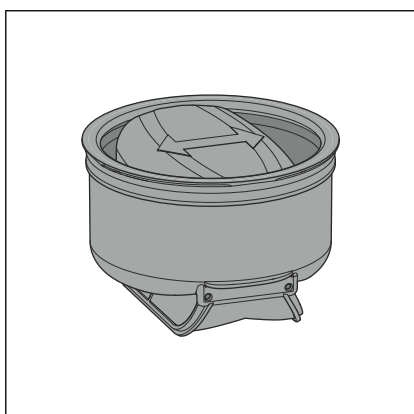
Advantix tops are available in a number of sizes and variations. You can also only buy an Advantix top frame and then purchase a suitable designer grate separately (see catalogue).

Sieve insert



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

Odour barrier



Advantix drains can be equipped with an additional odour barrier, which also closes the drain odour-tight, if the water seal in the odour trap has evaporated. In this way, odour nuisance is avoided even with drains that are only seldom used. Odour barriers can be found in the catalogue.

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 linktarget [Ablaufleistung Top-Abläufe] doesn't exist but @y.link.required='true'.
- 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 13.*

During assembly:

- Observe installation dimensions.

After assembly:

- The drain flange must be fully lined with mortar.

3.1.2 Installation dimensions

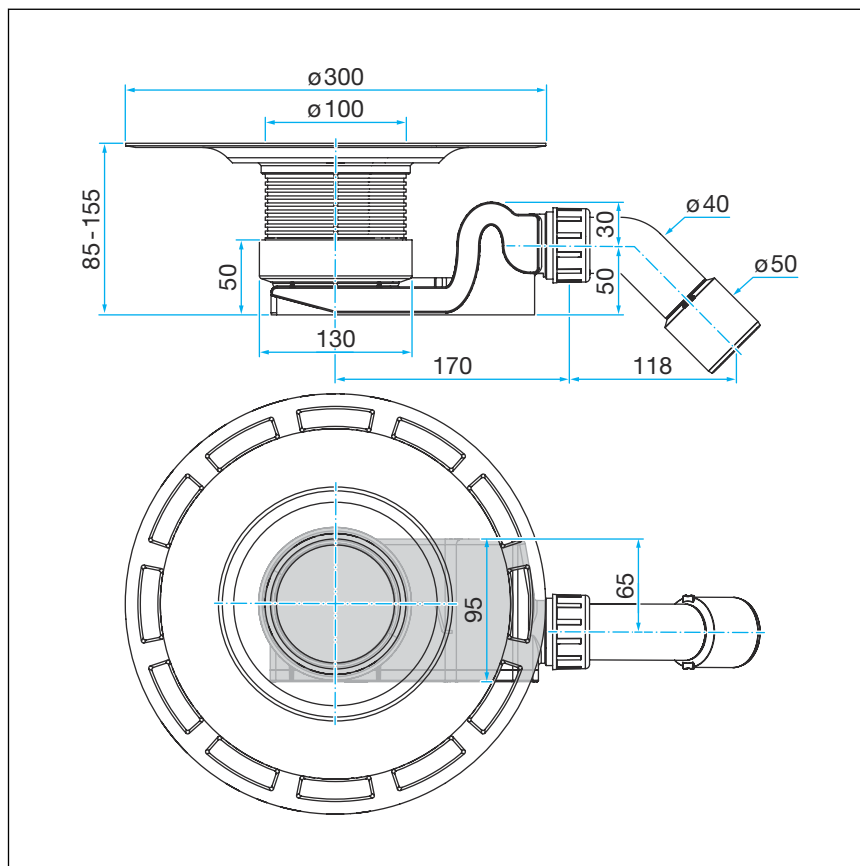


Fig. 7: Dimensional drawing model 4927.1

3.1.3 Tools and materials

Required material

- Top with grate, if not included in scope of delivery ↗ *Chapter 2.3.1 'Overview' on page 7*
- Material for securing the drain

3.2 Assembly

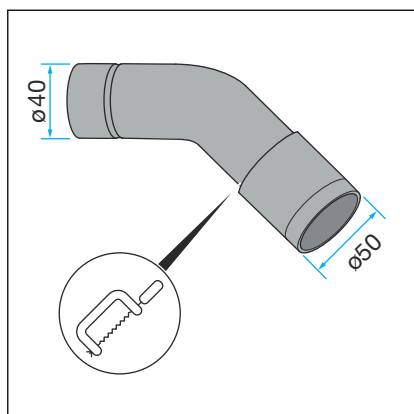
3.2.1 Connecting the drain

Connecting to the wastewater system

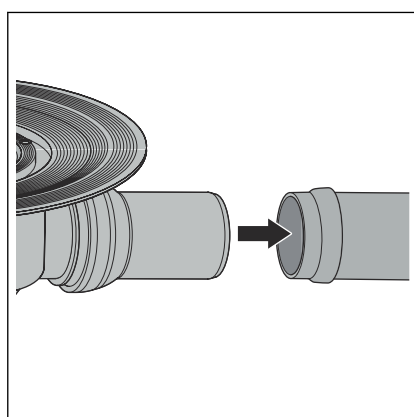
The connection to the wastewater system must be completed before the drain can be installed in the floor construction. Proceed as follows:

Requirements:

- A pipe to the planned drainage position is already in place for the connection to the wastewater system.
- The drainpipe has an internal sealing lip.

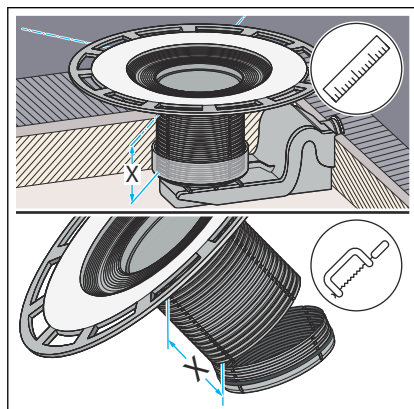


- If the wastewater pipe only has a diameter of 40 mm, cut off the drain elbow.



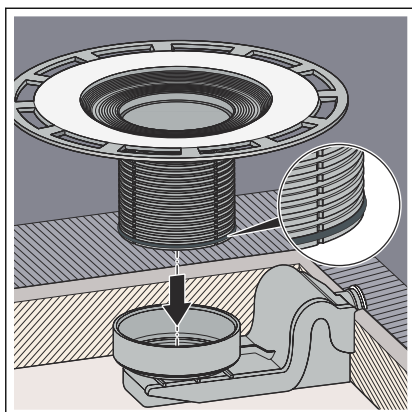
- Insert the drain socket into the drainpipe as far as it will go.

3.2.2 Preparing the drain



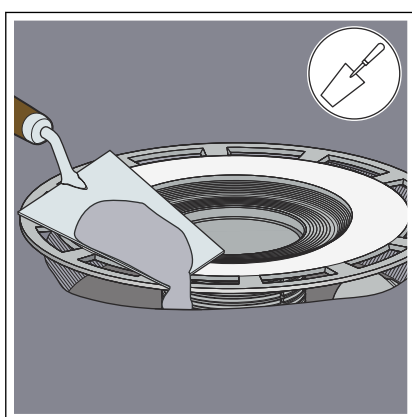
- Cut the stacking element to size.

INFO! For the minimum installation height, cut to a maximum length of 78 mm.



- Fit the stacking element into the drain unit.

NOTICE! Ensure that the sealing element is correctly in place.

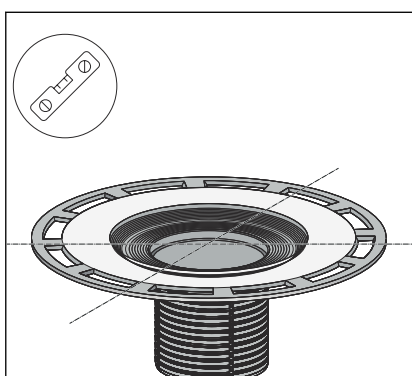


- Fully line the stacking element with screed. The upper edge of the screed corresponds to the upper edge of the stacking element.

3.2.3 Preparing for subsequent work

Requirements:

- The drain is connected.
- The protective cover and the yellow protective plugs are to be found, undamaged, on the drain.
- Position the drain at the desired height at the place of use. The upper edge of the drain flange must be flush with the upper edge of the sealing layer. If necessary, raise or lower the drain in the existing floor using suitable material.
- Align the drain horizontally using a spirit level.
- Secure the drain in such a way that it cannot shift when the subsequent works are applied.



Most importantly, it must be ensured that the drain does not float when the concrete or screed is poured in.



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.

3.2.4 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 completion of the subsequent work.

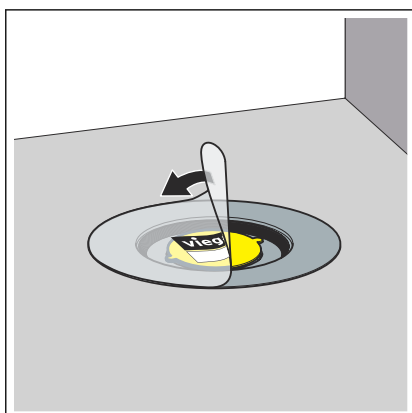


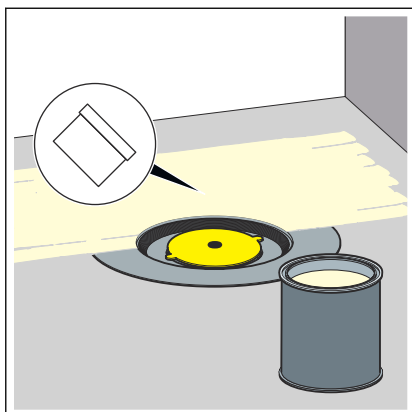
The screed and floor tiles must be laid at an incline of 1–2 % in the direction of the drain.

Bonded sealing

Requirements:

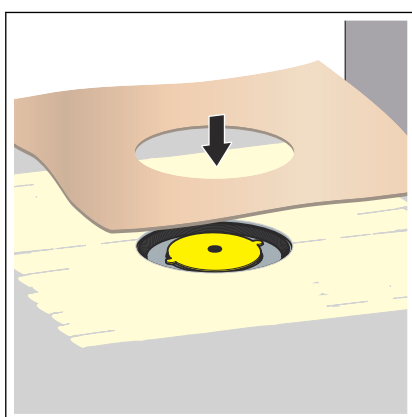
- The flange is free of heavy soil.
- The complete surface of the flange is lined with material and undamaged.
- Remove the protective cover.



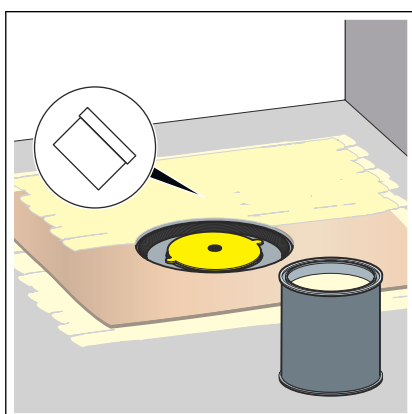


- Apply the bonded sealing on the dry screed and spread to the inner edge of the flange fleece.

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



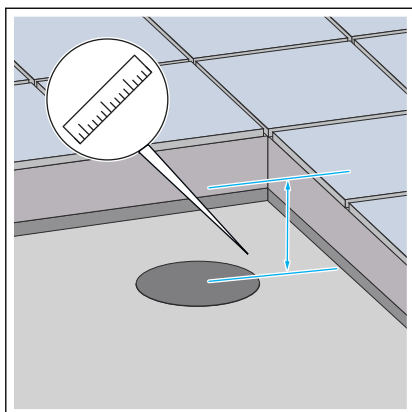
- Lay the sealing collar into the bonded sealing.



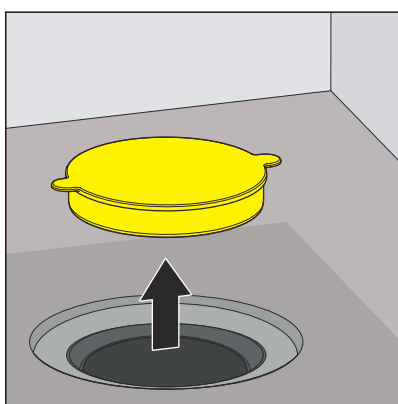
- Apply the second layer of bonded sealing onto the sealing collar and, if necessary, onto the floor.

3.2.5 Installing the top in the tiled floor

The top with the grate must be mounted to finish off the mounting of the drain. Proceed as follows:



- Calculate the height of the floor construction from the edge in the inside of the drain up to the upper edge of the tiles.
- Starting with the upper edge, transfer the measured height onto the top.
- Cut the top to the marked height.



INFO! No backflow seal may be fitted so that any seepage that may occur can drain off without hindrance!

- Remove the yellow protective plug.
- Place the top into the drain and align according to the tiles.
- Work the top into the screed or the floor covering.

3.2.6 Installation in self-levelling coating



Have the work on the self-levelling coating carried out by specialist companies trained for the respective product.

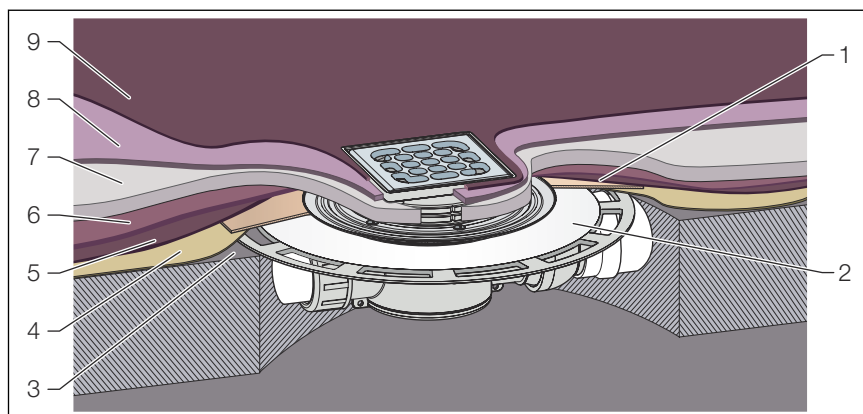
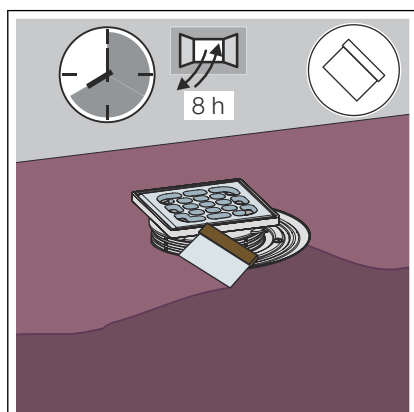


Fig. 8: Layer structure of the self-levelling coating

- 1 Sealing collar
- 2 Flange
- 3 Screed
- 4 Bonded sealing
- 5 Second layer of bonded sealing
- 6 Primer
- 7 Scraper filler / PU sealing also as height adjustment
- 8 Self-levelling coating / design floor
- 9 Sealing / slip resistance



- Apply the bonded sealing with the first coat of primer.
- After the primer has dried, apply the scratch coat or PU sealing to the primed bonded sealing for height adjustment.
- Apply the self-levelling coating or the design floor.
- Optionally apply a sealing / slip-resistant coating.

3.3 Care

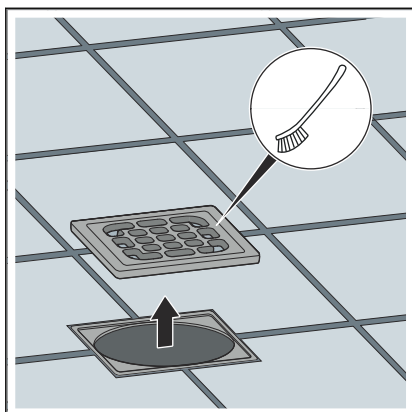
3.3.1 Care tips

Normal soap or a mild cleaning agent can be used for regular maintenance and prevention of lime scale on the grate and frame. Use no scouring agent or abrasive objects.

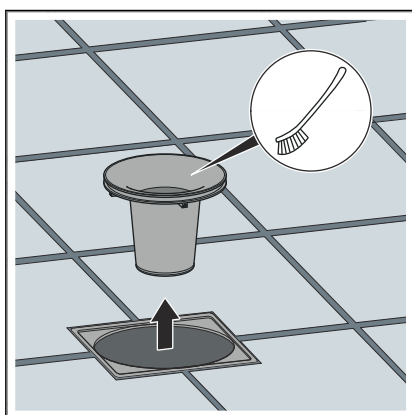
Strong stains, even around the drain unit and the odour trap, can be removed using typical household cleaner. Rinse the detergent very thoroughly with clear water after the prescribed dwell time. There should be no residue on the components.

3.3.2 Cleaning the drain

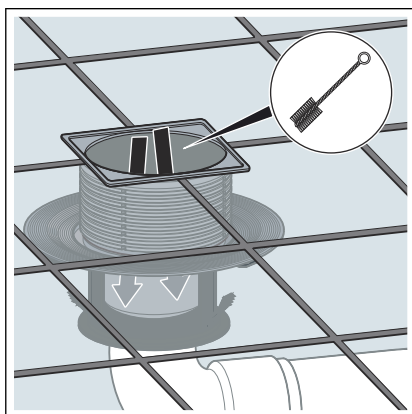
Use a mild cleaning agent and a washing-up brush for cleaning.



► Remove and clean the grate.



► Remove and clean the immersion pipe.



► Clean the drain.

► Replace the immersion pipe.

► Replace the 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.



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