

# Sealing in the bathroom

Compound sealing complying with DIN 18534



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# Compound waterproofing

In domestic or public bathrooms, exposure to moisture occurs, some of which can be significant. Walls and floors in these rooms are mainly equipped with ceramic tile. Surfaces covered with ceramic paving or tiles are permeable to water. Mainly water penetrates through porous joint materials or small joint cracks. A surface covered with ceramic paving and tiles can generally not be considered watertight. For this reason, a sealing layer below the flooring and above the load-bearing component is imperative.

Waterproofing in conjunction with tiles and paving (in short: AIV) has proven its effectiveness for years in bathrooms and public buildings. Since 2017, this type of waterproofing has been regulated in the standard DIN 18534.

- The sealing layer is located directly under the flooring. Moisture penetration of the structural floor construction is ruled out.
- When renovating existing bathrooms, the sealing can be applied on top of the existing floor structure after pre-treatment of the substrate, so that it does not have to be removed.
- The **AIV** is recognized in Germany, Switzerland and Austria.

Due to the tested systems and our factory production control, low floor constructions can be realized. We ensure safe execution by means of brushable, rollable and trowelable composite waterproofing, as well as sheet and panel waterproofing.

# DIN 18534 as a planning and application standard

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## The common waterproofing standards:

- DIN 18531 – Waterproofing of roofs, balconies and walkways
- DIN 18532 – Waterproofing of concrete areas trafficable by vehicles
- DIN 18533 – Waterproofing of elements in contact with soil
- DIN 18534 – Waterproofing for indoor applications
- DIN 18535 – Waterproofing of tanks and pools

## DIN 18534 has been published with the following parts:

### Part 1:

Requirements and principles for design and execution

### Part 2:

Waterproofing with waterproofing materials in sheet form, e.g. Bitumen and polymer bitumen sheeting

### Part 3:

Waterproofing with liquid-applied waterproofing materials in conjunction with tiles and paving (AIV-F), e.g. crack-bridging, mineral waterproofing slurries

### Part 4:

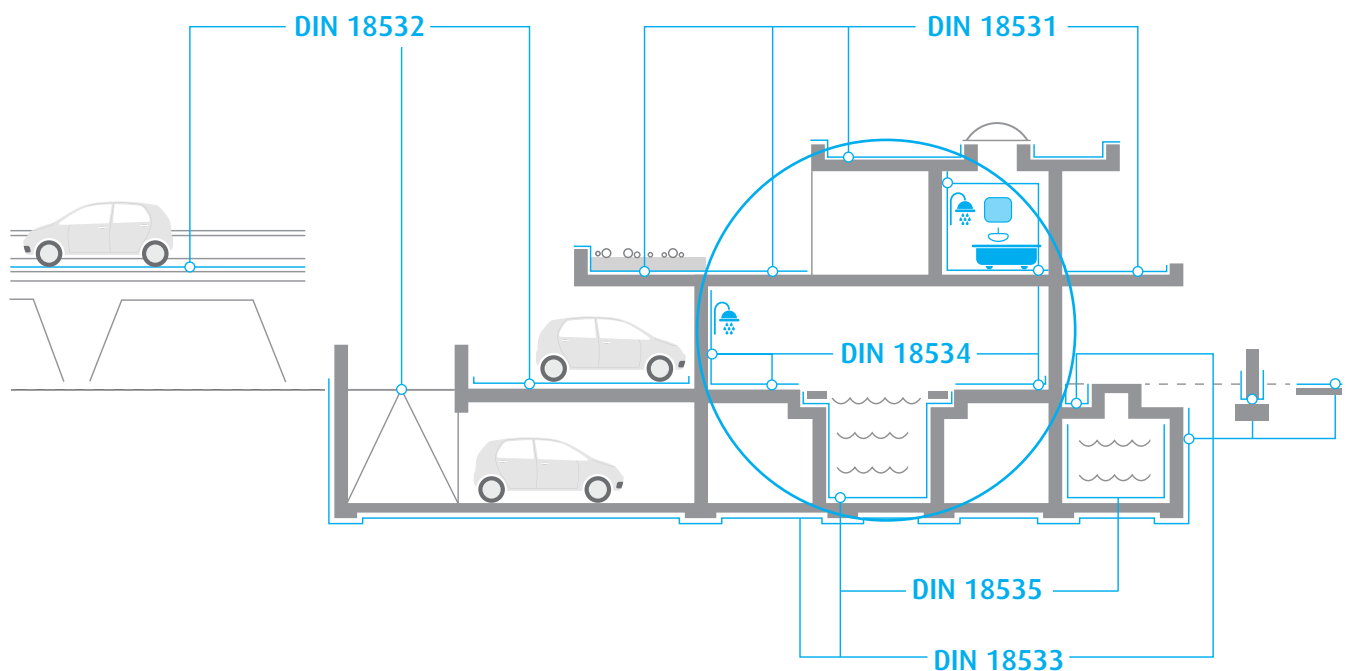
Waterproofing with mastic asphalt or asphalt mastic

### Part 5:

Waterproofing with waterproofing materials in sheet form in conjunction with tiles (AIV-B), e.g. fleece-lined plastic sheeting

### Part 6:

Waterproofing with waterproofing materials in panel-shaped form in conjunction with tiles (AIV-P), e.g. tileable curbless shower elements

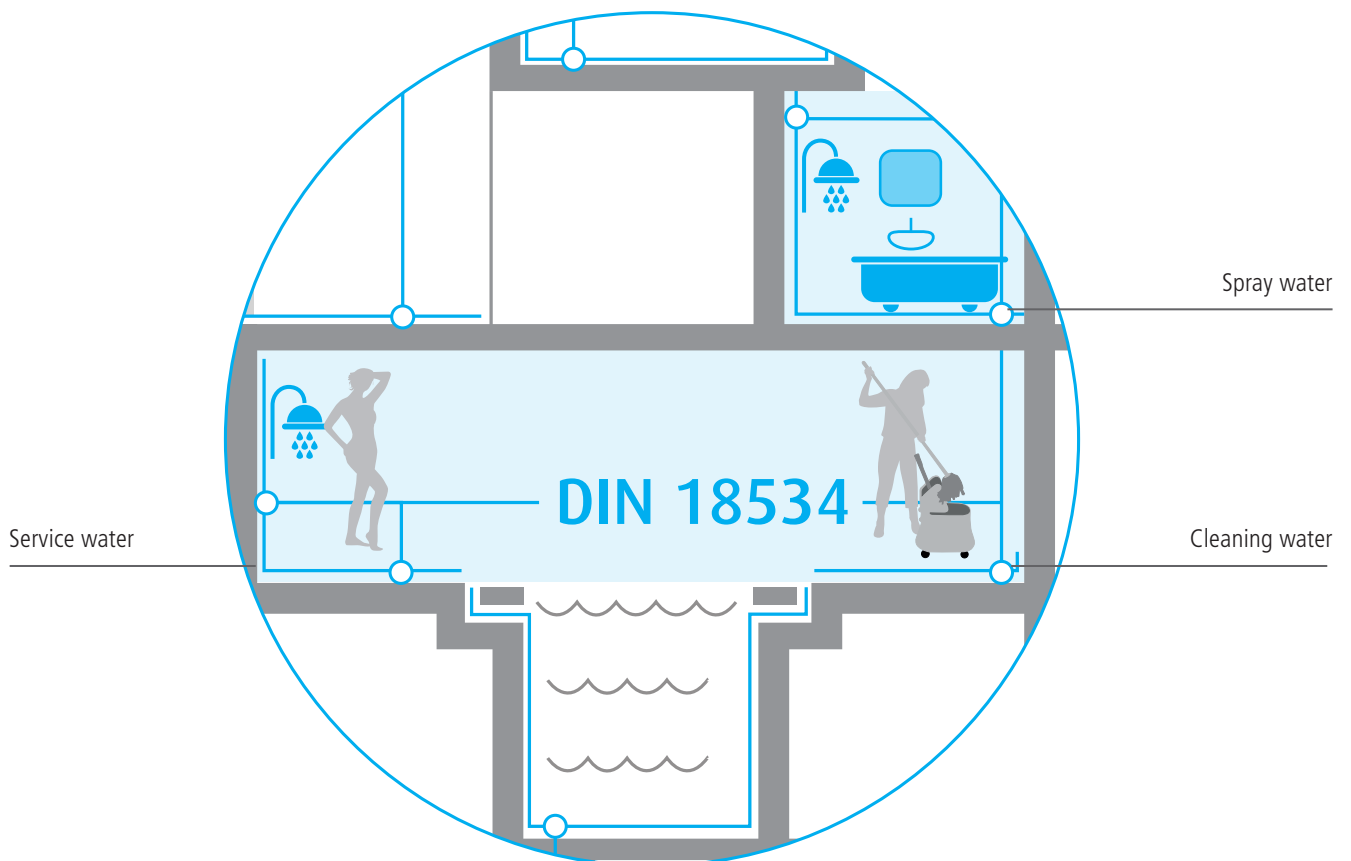


## Areas of application of the standard DIN 18534

### The standard applies to:

- Waterproofing of indoor areas, which have been newly created
- Waterproofing in the preservation of buildings or historical monuments, if methods can be used for this purpose that are regulated in this standard
- Surfaces affected by service water, cleaning water and spray water
- Planning, execution and maintenance of waterproofing of indoor floor and wall surfaces with waterproofing materials
  - in sheet form
  - that are liquid-applied
  - in panel-shaped form
- Waterproofing of prefabricated bathroom cubicles or elements, provided they are intended for installation in an interior space to be waterproofed e.g.
  - in bathrooms
  - in commercially used rooms
  - in pool surrounds
  - in shower installations

against water with a planned accumulation height up to 10 cm





- In contrast to the former DIN 18195, bathrooms in residential construction must be waterproofed regardless of the presence of a floor drain
- In particular, this affects:
  - wall surfaces exposed to water in bathrooms **1**
  - floors in bathrooms **2**
- Furthermore, transitions to installation parts are affected, e.g.

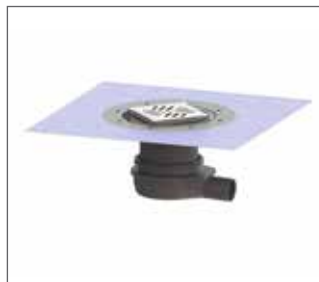
Shower trays and baths



Curbless showers



Floor drain



Pipe openings





# Water penetration classes

## The water penetration classes and their application

**Type and intensity of water penetration**  
are initial criteria for the definition



As part of the planning process, the expected water penetration on each affected area must be estimated and assigned to the following classes



**Four water penetration classes**  
**W0-I, W1-I, W2-I and W3-I**

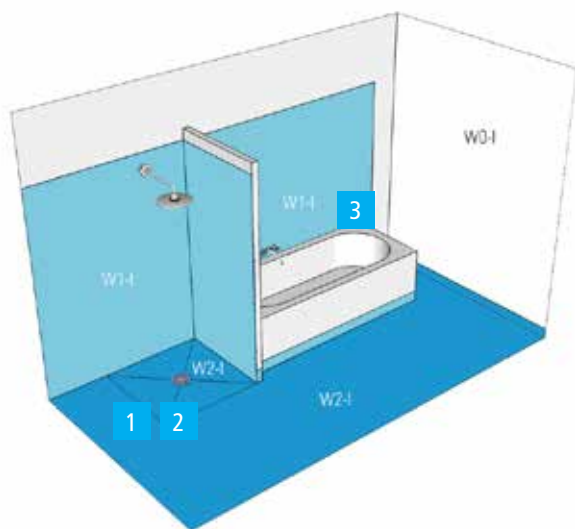


Water penetration class	Water penetration	
W0-I	low	Surfaces with infrequent exposure to water spray
W1-I	moderate	Surfaces with frequent exposure to spray water or infrequent exposure to service water, without intensification by accumulating water
W2-I	high	Areas frequently exposed to spray water and/or service water, especially on the floor, temporarily intensified by accumulating water
W3-I	very high	Surfaces exposed to very frequent or prolonged exposure to spray water and/or service water and/or water from intensive cleaning processes, intensified by accumulating water

# Examples of water penetration classes and the corresponding use of Poresta® waterproofing materials

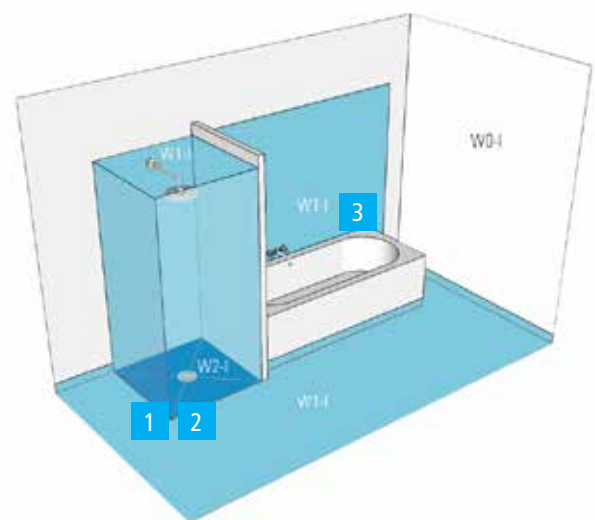
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Poresta® shower elements with KMK coating can be integrated into the compound sealing as a sealing panel. The seal is made with Poresta® KMK seals and Poresta® KMK sealing tapes.

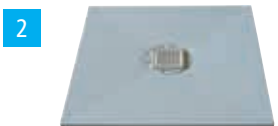


Poresta® elements with dispersion coating can be installed as a substrate and must be over-sealed on site with a liquid waterproofing compound (W2-I or W3-I).

Poresta® shower tray and bath sealing tape can be integrated into the compound sealing towards the wall using Poresta® BFA seals.



Poresta® BF KMK



Poresta® BF  
as substrate according to  
DIN 18534-1 to be over-  
sealed on site with suitable  
waterproofing material



Shower tray and bath  
sealing tape



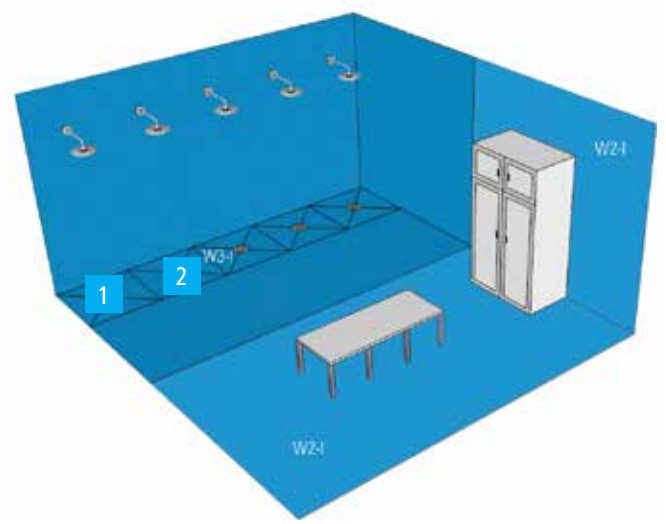
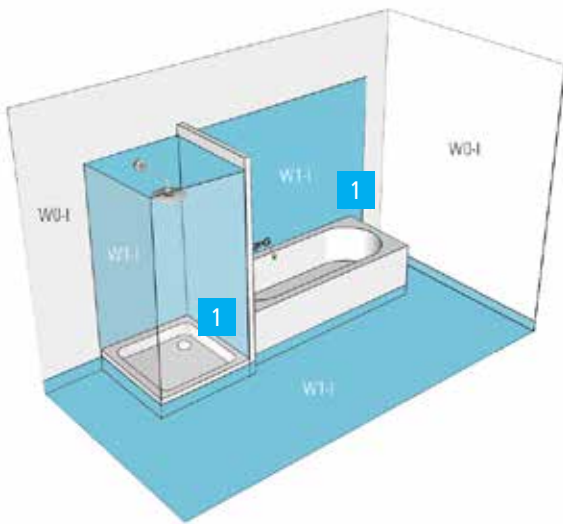
Poresta® KMK seal:

Approved as an accessory for waterproofing the transitions  
between curbless shower systems and the surface sealing.



Poresta® BFA seal:

Approved as spreadable sealing in wall areas up to W2-I,  
in floor areas up to W1-I



Shower tray and bath  
sealing tape



**Poresta® BFA seal:**  
Approved as spreadable sealing in wall areas up to W2-I,  
in floor areas up to W1-I



**Poresta® BF KMK**  
as substrate according to  
DIN 18534-1 to be over-  
sealed on site with suitable  
waterproofing material



**Poresta® BF**  
as substrate according to  
DIN 18534-1 to be over-  
sealed on site with suitable  
waterproofing material

# Explanation of the compound seals

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Composite waterproofing consists of the waterproofing layer and the tile or paving covering including adhesive bonding.

In the case of compound seals (AIV) in accordance with DIN 18534, flooring made of tiles and paving in a thin bed also provides protection for the waterproofing layer. Compound seals protect the substrates and floor structures from moisture penetration. This applies to new buildings, existing buildings and the preservation of historical monuments, provided that the procedures in accordance with DIN 18534 can be applied from a structural engineering perspective.

## Advantages of the waterproofing type compound waterproofing (standard parts 1, 3, 5, 6)

Waterproofing in conjunction with tiles - AIV - is applied directly below the top layer of use under the tile adhesive, in contrast to waterproofing with waterproofing materials in sheet form according to DIN 18534-2, and offers the following advantages:

- Protection of the floor structure from moisture penetration
- Sealing level above the supply and disposal lines
- Low floor structures can be realized
- Safe execution by means of brushable, rollable and trowelable composite waterproofing
- The components have been tested in the system (general building authority test certificate [abP], ETA) and are subject to factory production control



# Materials to be used according to DIN 18534

Two waterproofing materials are used to seal Poresta® curbless shower systems:

## Dispersion sealing:

Mixtures of polymer dispersions and organic additives, enriched with or without mineral fillers. Curing takes place by drying. Poresta® BFA can be used for wall and floor waterproofing or as a sealing of Poresta® 3D shower tray and bath sealing tapes. The range of application on walls extends up to water penetration class W 2-I and on floors up to W1-I.

## Mineral waterproofing slurries (KMK):

Mixtures of hydraulically curing binders, mineral aggregates and organic additives as well as polymer dispersions in powder or liquid form (e.g. flexible waterproofing slurries). Curing takes place by hydration and drying.

Poresta® KMK sealing compound can be used as a system accessory up to water penetration class W2-I.

Poresta® KMK sealing compound is used to seal the transitions between curbless shower systems and the surface sealing (compound waterproofing).

Seal	Applications	Accessories	Examples of application
Poresta® BFA	Waterproofing of shower trays and baths Surface waterproofing on walls and floors	Poresta® 3D shower tray and bath sealing tape	Wall waterproofing up to W2-I Floor waterproofing up to W1-I
	Surface waterproofing on walls and floors	Poresta® KMK T sealing tape Poresta® KMK TI inside corner Poresta® KMK TA outside corner	Wall waterproofing up to W2-I Floor waterproofing up to W1-I
Poresta® KMK	Waterproofing of curbless shower systems	Poresta® KMK T sealing tape Poresta® KMK TI inside corner Poresta® KMK TA outside corner	up to W2-I as system component according to DIN 18534-6

Which liquid waterproofing materials (AIV-F) may be used according to DIN 18534-3?

- Polymer dispersions (DM)
- Crack-bridging mineral waterproofing slurries (CM)
- Reactive resins (RM)

Which waterproofing materials in sheet form (AIV-B) may be used in accordance with DIN 18534-5?

- Fleece-lined sheeting

Which waterproofing materials in panel-shaped form (AIV-P) may be used in accordance with DIN 18534-6?

- Rigid foam support panels made of EPS or XPS with waterproofing material in sheet form applied at the factory
- Rigid foam support panels made of EPS with liquid waterproofing material applied at the factory
- Watertight XPS rigid foam panels with a coating applied at the factory

Using the components tested in the system (sealing tapes, corners, etc.) with proof of



General building authority test certificate



European Technical Assessment

# Required approvals

The waterproofing systems of the waterproofing materials liquid AIV-F, sheet-shaped AIV-B and panel-shaped AIV-P require either a general test certificate (abP) or a European Technical Assessment (ETA) based on ETAG 022\* for use within the scope of DIN 18534 (parts 1, 3, 5 and 6).

**poresta systems GmbH has the following ETAs:**

## **ETA-13/0386 “Poresta® curbless shower systems” kit with panels for walls and floors in wet rooms**

**Kit consisting of the waterproofing system components**  
(details can be found in ETA-13/0386, see <https://poresta.com/de/mediacenter>)

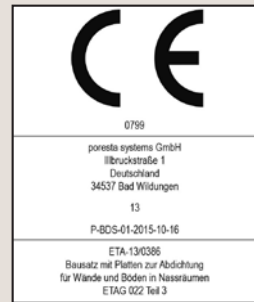
- Watertight EPS panels factory-coated with mineral waterproofing slurry, with or without integrated drainage
- Mineral waterproofing slurries
- Sealing tape, sealing corners and sealing sleeves
- Adhesives for fixing the shower elements

## **ETA-17/0830 “Poresta® BFA” seals for walls and floors**

**Kit consisting of the waterproofing system components**  
(details can be found in ETA-17/0830, see <https://poresta.com/de/mediacenter>.)

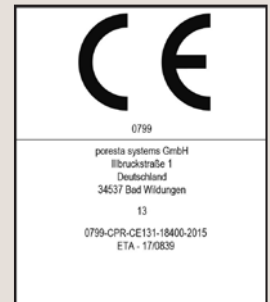
- Liquid polymer dispersion
- Watertight EPS panels factory-coated with polymer dispersion or mineral waterproofing slurry, with or without integrated drainage
- Adhesives for fixing the shower elements
- Sealing tape, sealing corners and sealing sleeves
- Shower tray and bath sealing tape for bath mounting
- Shower tray and bath sealing corner for bath mounting
- 3D multi-seal corner for bath mounting

### **Poresta® curbless shower systems**



DOP no.  
P-BDS-01-2015-1016

### **Poresta® BFA**



DOP no.  
P-BDS-02-2019-0606

Since 01.07.2013, the Construction Products Regulation (short: CPR) applies in Europe. This requires that for products subject to a harmonized technical specification, a “Declaration of Performance” (DOP) must be provided in addition to the CE marking. For products for which an ETA has been issued on the basis of a European technical guideline, a Declaration of Performance must also be submitted. The Declarations of Performance for ETAs listed above can be found at <https://poresta.com/de/mediacenter>

Products with an ETA can be used in Germany in accordance with the application rules specified for this purpose and are covered by Part B of the Technical Building Regulations for Components and Special Structures, which must be observed in addition to the Technical Building Regulations listed in Section A (for more information, see the model administrative regulation Technical Building Regulations issued by the DIBt as well as the corresponding sections of the administrative regulations applicable in each of the federal states: can be viewed at the corresponding official websites of the DIBt or the federal states).

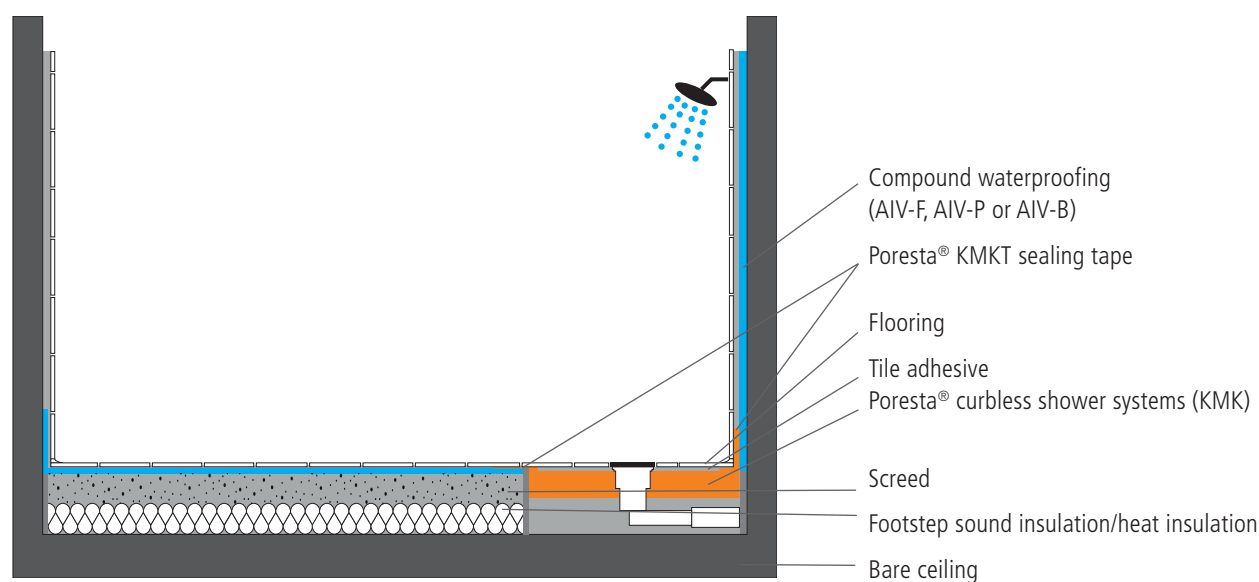
\* Note: Currently, ETAs for construction products are no longer issued on the basis of an ETAG, but on the basis of European Assessment Documents, so-called EADs.

# Waterproofing of indoor areas in practice

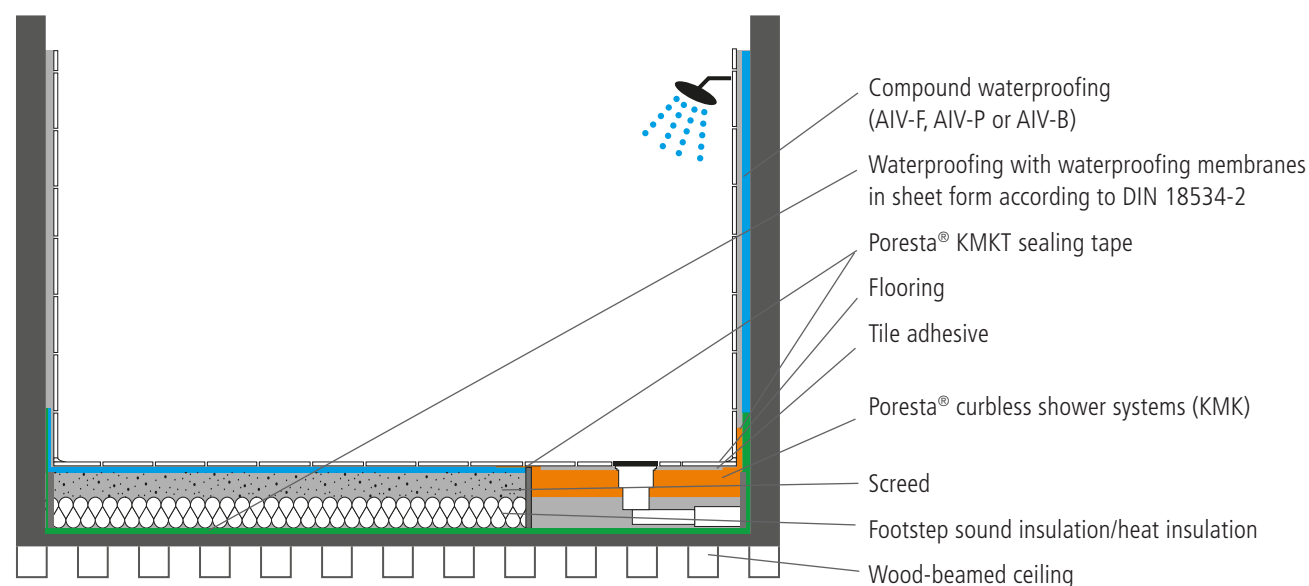
## Curbless shower systems

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### Poresta® curbless shower systems (AIV-P) on bare floor



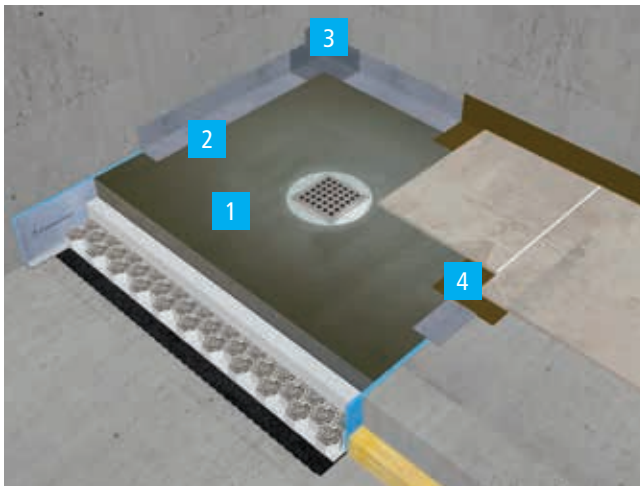
### Poresta® curbless shower systems (AIV-P) with additional required waterproofing level on wooden floor\*



\*This sealing method can also be used for moisture-sensitive substrates according to DIN 18534-1, 6.2 "Substrates".



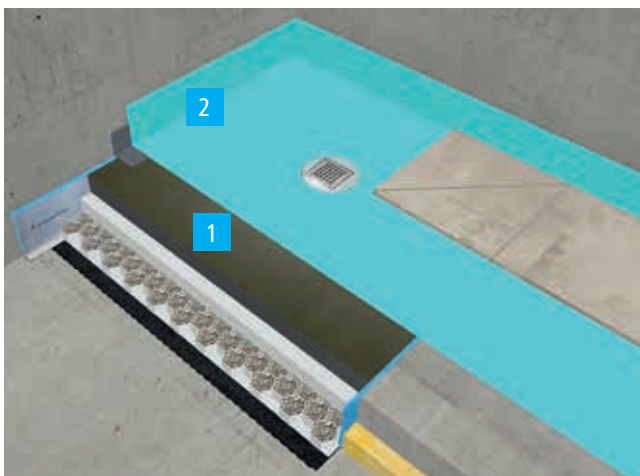
Poresta® curbless shower systems with KMK coating as a panel-shaped waterproofing material in accordance with DIN 18534-6



1. Poresta® shower element with KMK coating
2. Poresta® sealing tape KMK T
3. Poresta® sealing tape inside corner KMK TI
4. Poresta® KMK sealing compound

KMK-coated shower elements are panel-shaped seals and can be used up to water penetration class W2-I in accordance with DIN 18534-6.

Poresta® BF or BF KMK as substrate according to DIN 18534-1 fully coated on site with liquid waterproofing material according to DIN 18534-3



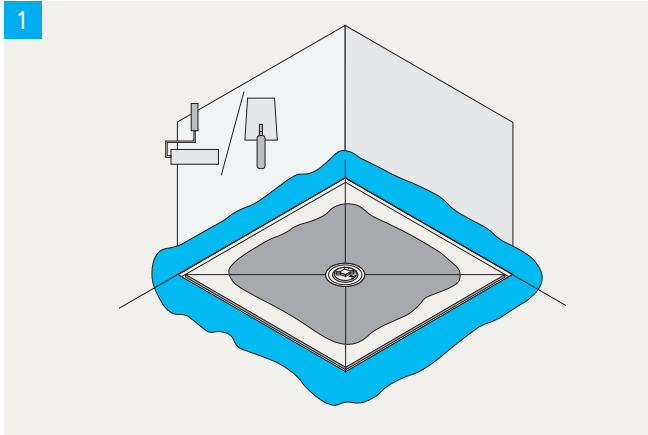
1. Poresta® curbless shower systems (KMK-coated) or Poresta® curbless shower systems (dispersion-coated)
2. On-site sealing (AIV-F according to DIN 18534-3)

Elements with a dispersion coating as well as KMK-coated shower systems can be used as a substrate in accordance with DIN 18534, part 1, up to water penetration class W3-I, if they are fully sealed on site with a liquid waterproofing compound in accordance with DIN 18534-3.

# Professional waterproofing of a curbless shower using the example of a Poresta® BF KMK

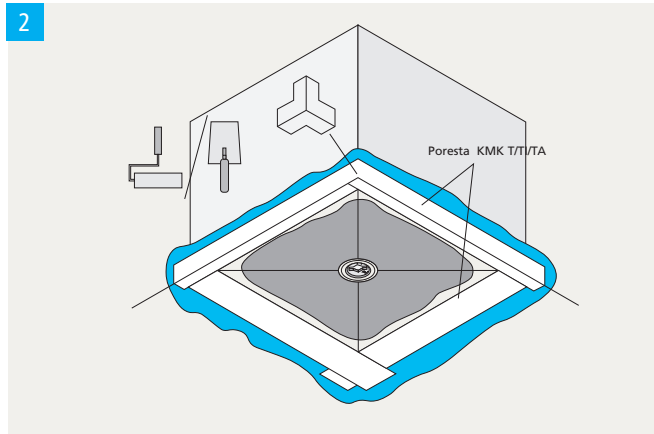
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1



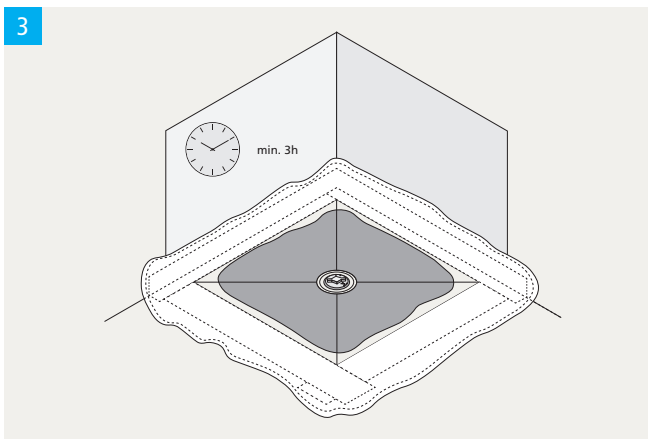
Apply the first coat of Poresta® KMK waterproofing slurry.

2



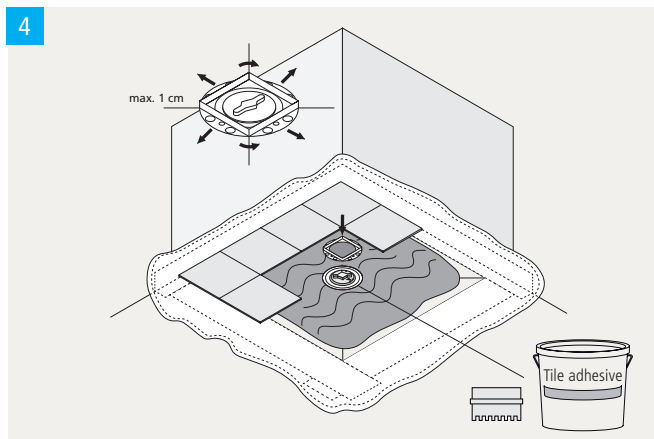
Embed the Poresta® KMK TI inside corner and the Poresta® KMK T sealing tape, cut to the required length, in the Poresta® KMK waterproofing slurry. The sealing tapes overlap by at least 50 mm.

3



After the drying time, the second coat of Poresta® KMK can be applied.

4

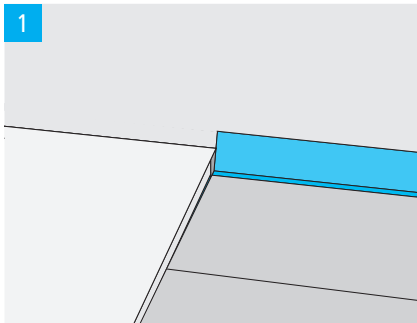


After 24 hours of drying, the element is ready for tiling.

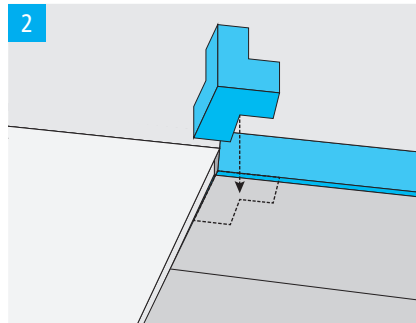
# Professional waterproofing of corners and transitions

## Curbless shower systems with single-side slope - transition to adjacent screed

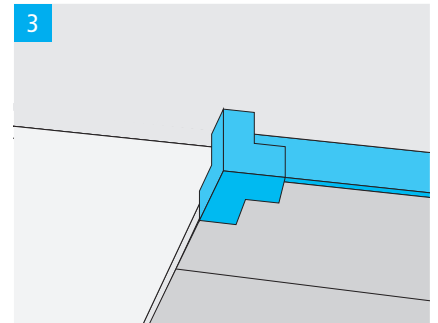
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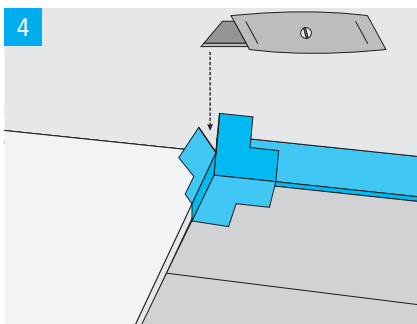
Seal in factory-integrated sealing tape on the wall side.



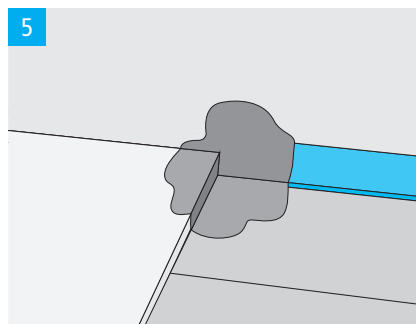
The transition is sealed with a sealing tape inside corner.



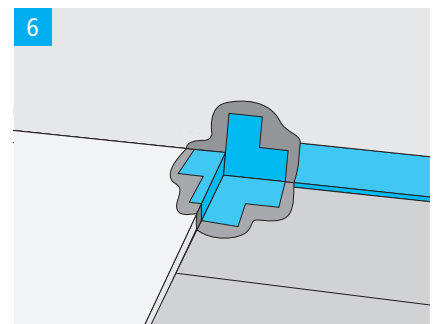
The sealing corner is placed on the shower system.



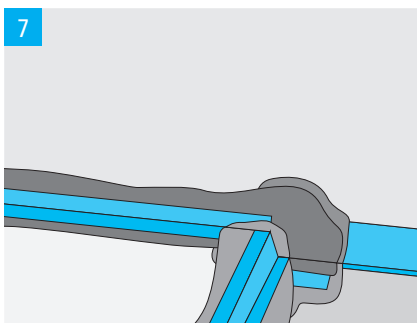
One corner of the sealing corner is cut.



Sealing compound is applied to the transition to be sealed.



The prepared inside corner is embedded.

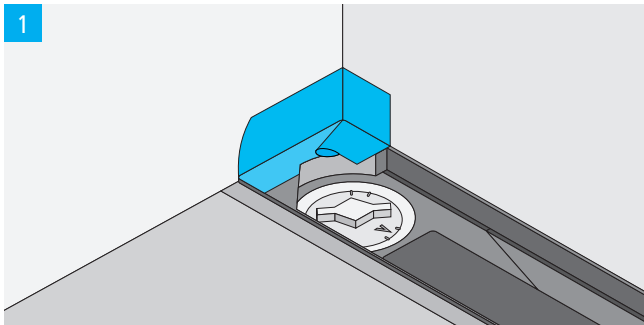


Then the remaining length of the sealing tape is sealed. The sealing is applied in two layers according to the installation instructions.

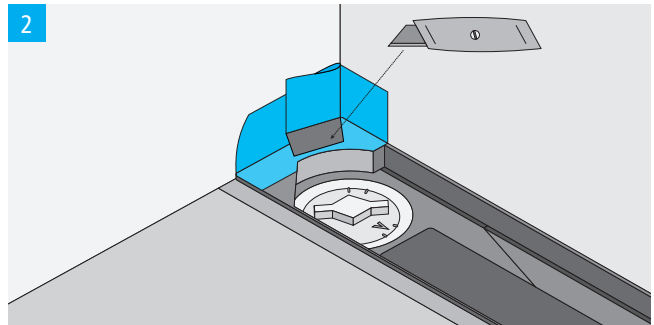
# Professional waterproofing of corners and transitions

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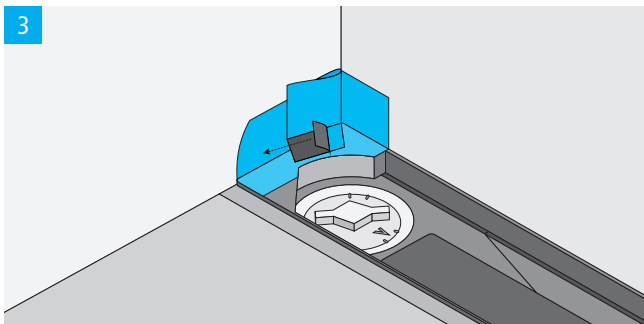
## Poresta® Slot S – corner area



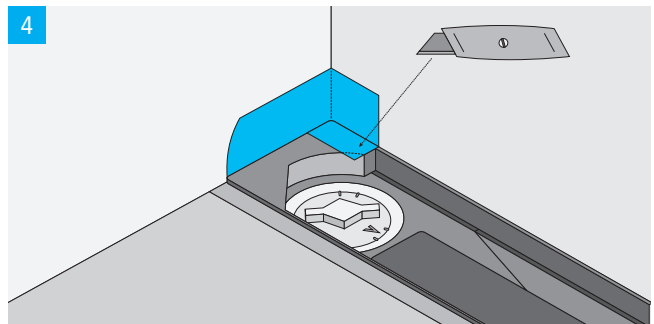
The drain channel element of the Poresta® Slot S is factory-equipped with a sealing tape.



After installation of the drain channel element, the sealing tape in the corner is cut only in the area of the butyl bonding.

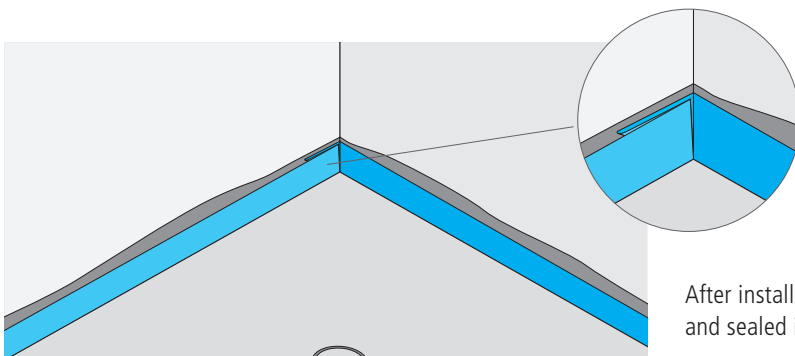


Then, the cover strip is removed.



Press the section with the butyl onto the drain channel element. The protruding area of the sealing tape is cut off.

Corner areas of Poresta® shower systems with finished surface and circumferential sealing sleeve e.g. Poresta® Loft / Loft S and Poresta® Select



After installation, the sealing sleeve in the corner area is folded and sealed in as shown in the illustration.





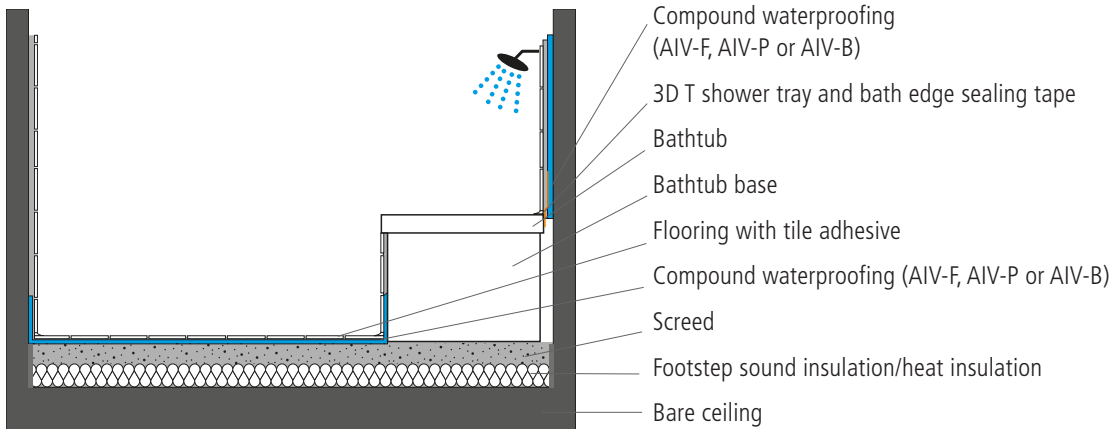
# Waterproofing of indoor areas in practice

## Bathtubs

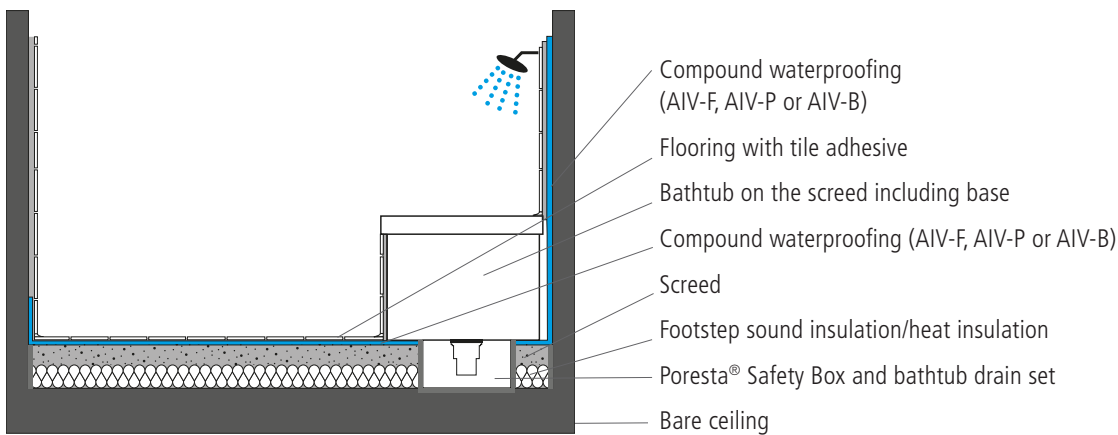
22

### Bathtub base on screed

Bring the sealing up to the bathtub base

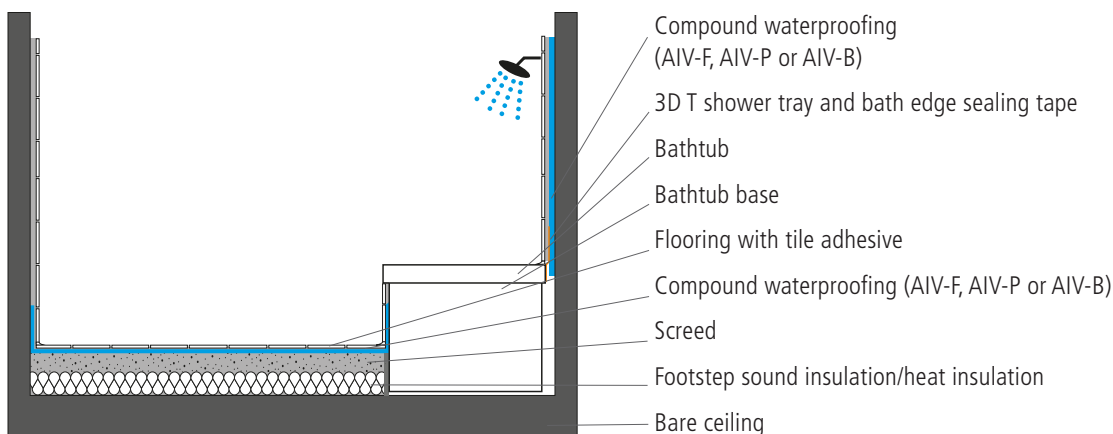


### Poresta® Safety Box with bathtub base on screed



### Bathtub base on bare floor

Bring the sealing up to the bathtub base





Poresta® 3D shower tray and bath edge sealing kit



Poresta® BFA seal



Poresta® Safety Box



Poresta® BFA seal

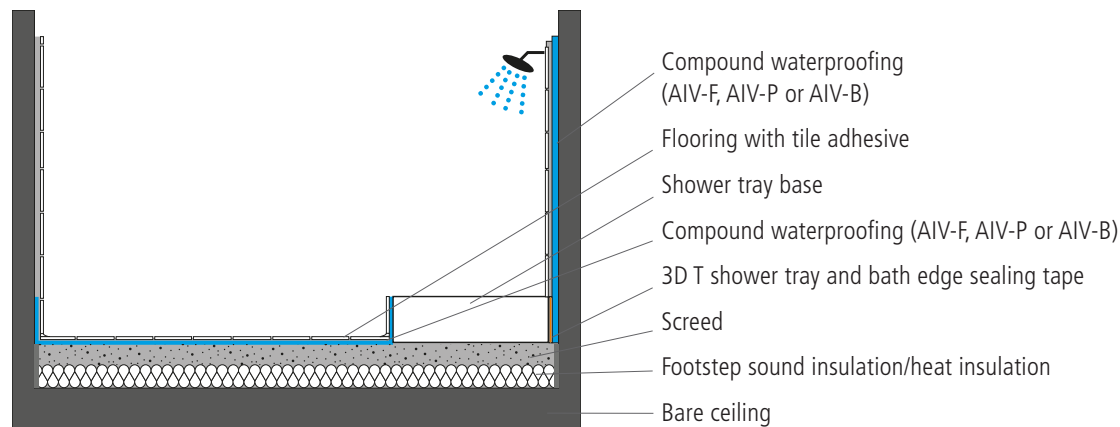


# Waterproofing of indoor areas in practice

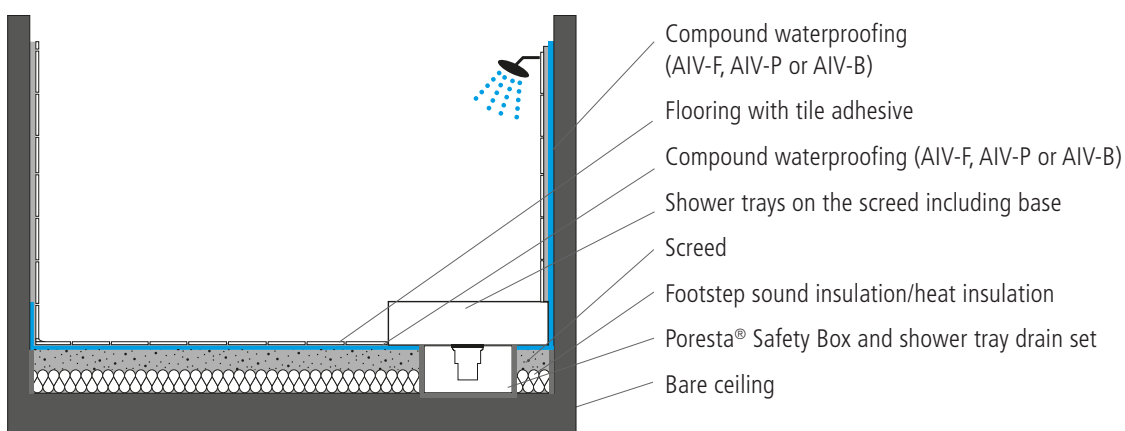
## Shower trays

24

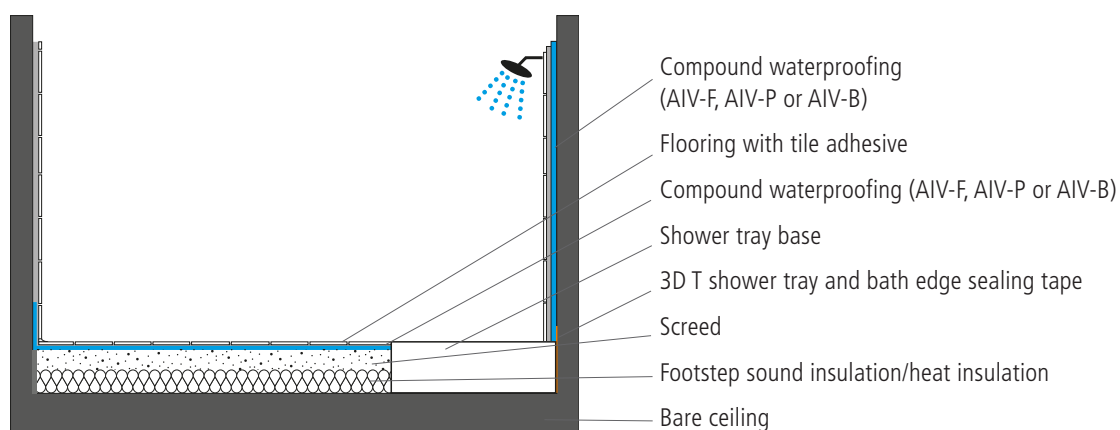
### Shower tray base on screed



### Poresta® Safety Box with shower tray base on screed



### Shower tray base on bare floor





Poresta® 3D shower tray and bath edge sealing kit



Poresta® 3D multi-corner seal kit



Poresta® BFA seal  
Up to water penetration class W1-I



Poresta® Safety Box



Poresta® BFA seal



# Permanent waterproofing

## Poresta® 3D shower tray and bath edge sealing kit

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Bathtubs and shower trays are adjacent to structural elements. The joints between the edge of the tub and the tile covering on the wall are sealed with silicone. These joints do not constitute a seal as defined in the sealing standard DIN 18534-1. In case of a faulty or damaged silicone joint, moisture can get behind the tub and cause damage.

Therefore, the connection of bathtubs and shower trays to adjacent structural elements is only permanently tight if a suitable waterproofing system is used.

The Poresta® 3D shower tray and bath edge sealing kit is used for this purpose. The heart of the kit is a 3D sealing corner that is preformed in such a way that, on the one hand, it fits various bathtub edge contours and, on the other hand, it fits exactly into the wall corner on site. This enables stress-free installation and makes both waterproofing and tiling much easier.

The Poresta® 3D shower tray and bath edge sealing kit consists of the following components:

- 2-way stretch, fleece-lined bathtub edge sealing tape (120 mm wide), with self-adhesive butyl strips, length 2.0 or 3.0 m depending on kit
- 3D TI shower tray and bath edge inside corner (120 mm wide), fleece-lined, with self-adhesive butyl strip, 1 pc
- Sound insulation tape (30 mm wide) for structure-borne sound insulation to the wall and as building protection between tile and bathtub edge, self-adhesive and with fabric reinforcement, 2 rolls with a length of 3.0 m each

Poresta® 20 m inside corner sealing tape and Poresta® 3D inside corner sealing tape are available separately.



To seal the Poresta® 3D shower tray and bath edge sealing kit and the 3D multi-corner seal kit, poresta systems offers Poresta® BFA dispersion-based seals:

### Dispersion-based

#### Poresta® BFA

- solvent-free dispersion seals for indoor areas with the exception of swimming pools
- Container 6 kg (1.2 kg per sqm)



#### Poresta® BFA

- solvent-free dispersion seals for indoor areas with the exception of swimming pools
- Tube (500 ml)



# Permanent waterproofing

## Poresta® 3D multi-corner seal kit

### Ultra flat shower trays securely sealed all around

Securely seal ultra flat shower trays installed flush with the floor all around:

With Poresta® 3D multi-seal corners, the problem of leaking silicone joints is definitely a thing of the past.

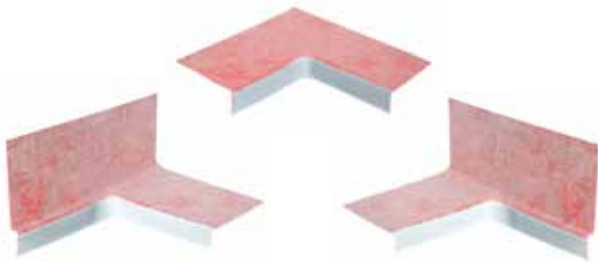
No complicated repositioning of the inside corner sealing tape, no squeezing and folding - the multi corner is preformed three-dimensionally so that it fits perfectly to existing contours. Together with Poresta® 3D shower tray and bath edge sealing tape and Poresta® BFA sealing, shower trays are sealed permanently and watertight to adjacent walls. Sealing to the screed can be done

with Poresta® BFA sealing compound up to a water penetration class W1-I. Higher water penetration classes can be achieved with suitable liquid sealing materials complying with DIN 18534-3.

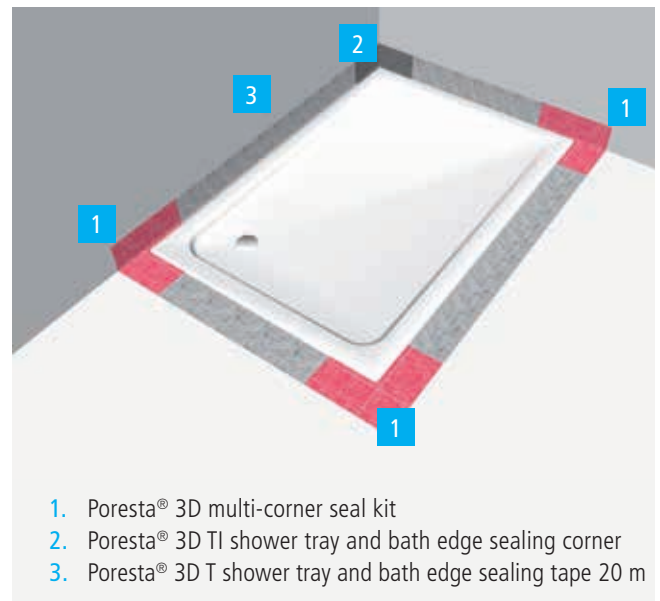
- Professional sealing kit for curbless steel and acrylic shower trays
- Kit with three preformed sealing corners for multifunctional use
- To be used with Poresta® 3D T shower tray and bath edge sealing tape 20 m and 3D TI inside corner sealing corner

### The Poresta® 3D multi-corner seal kit consists of the following components:

- Poresta® 3D multi-seal corner with self-adhesive butyl strips
- VE 3 pcs.

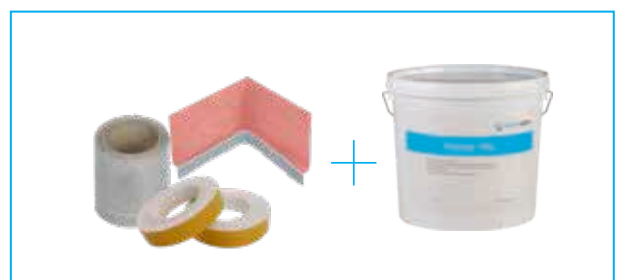


Note for planning: The Poresta® 3D multi-seal corners are to be combined with the Poresta® 3D shower tray and bath edge sealing kits.



### Professional execution thanks to European Technical Assessment

**Professional waterproofing according to DIN 18534**  
**3D shower tray and bath edge sealing tape as accessory in combination with Poresta® BFA ETA tested.**



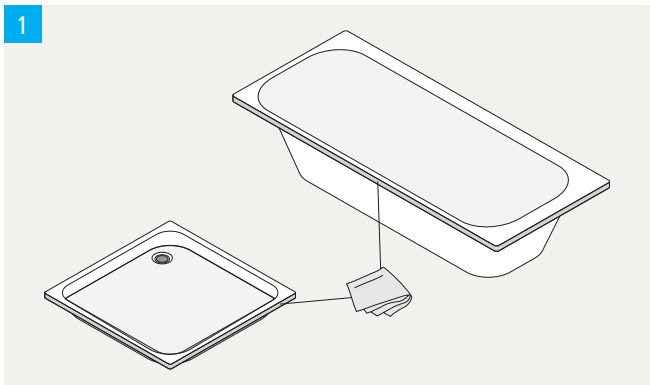


# Installation of the Poresta® 3D shower tray and bath edge sealing kit

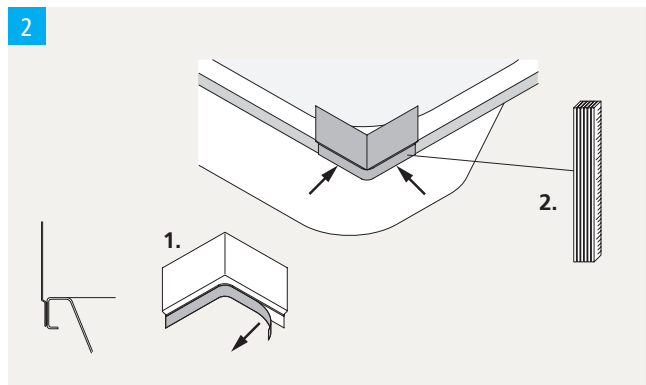
28

The Poresta® 3D shower tray and bath edge sealing kit is suitable for sealing steel enamel and acrylic bathtubs and shower trays to adjacent structural elements. It is equally well suited for bath mounting with Poresta® bath bases or Ferroplast® foot systems.

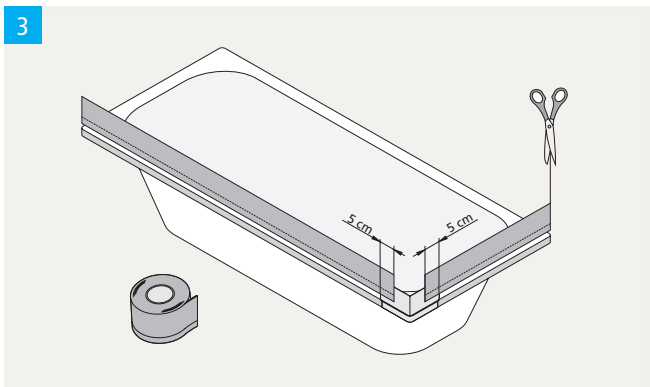
The following shows the installation with a Poresta® bath base and a steel enamel bath.



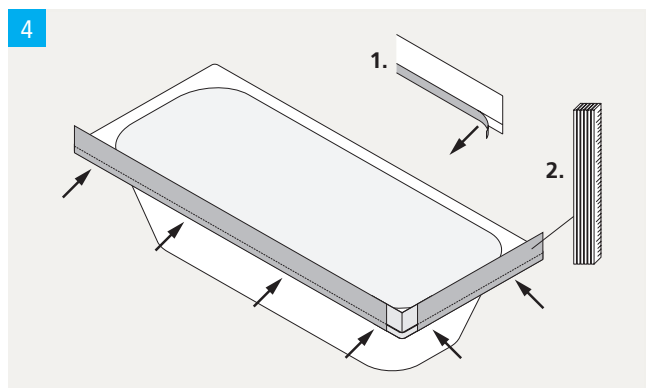
Cleaning the bath edge.



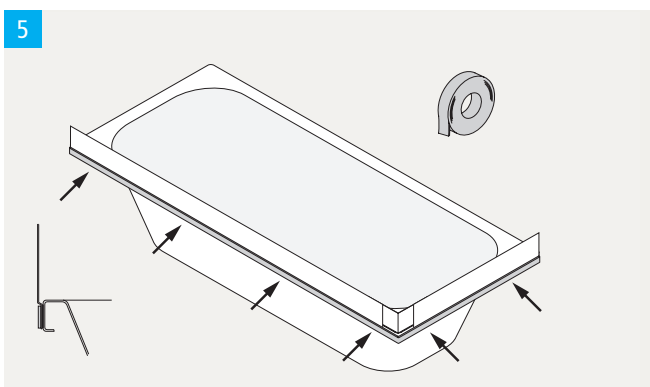
Installation of the Poresta® 3D inside corner. The adhesive surface should be pressed on with a folding rule.



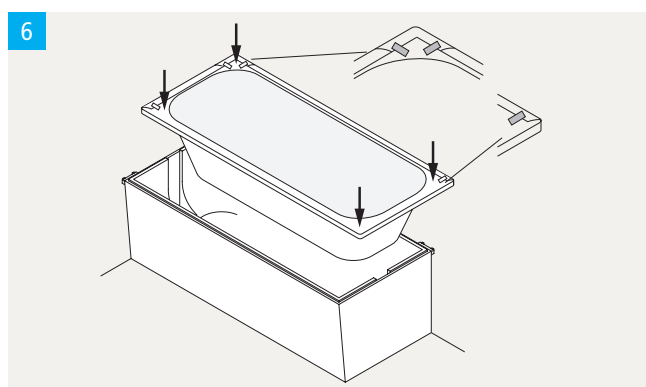
Cutting the Poresta® 3D bath edge sealing tape. A protrusion of min. 50 mm to the Poresta® 3D inside corner must be ensured



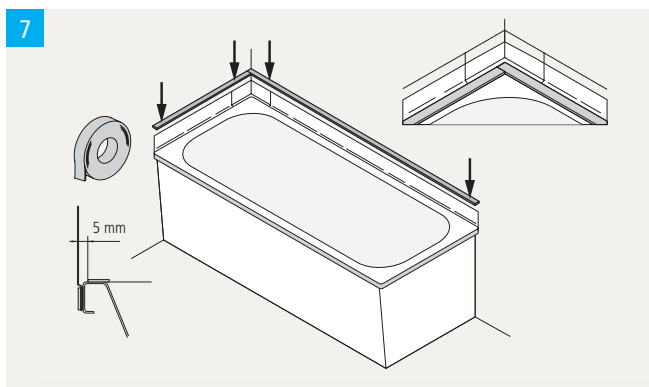
Installation of the Poresta® 3D bath edge sealing tape. The adhesive surface should be pressed on with a folding rule.



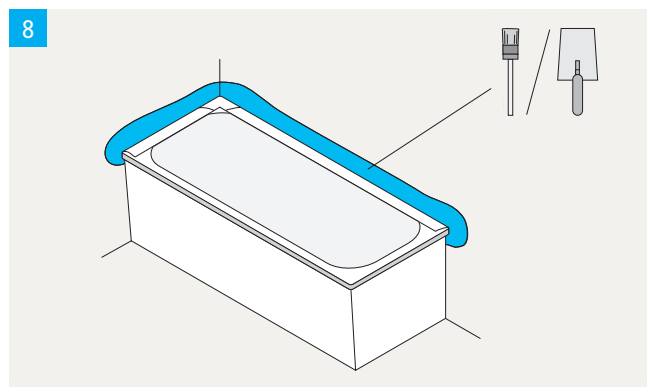
Installation of the Poresta® sound insulation tape.



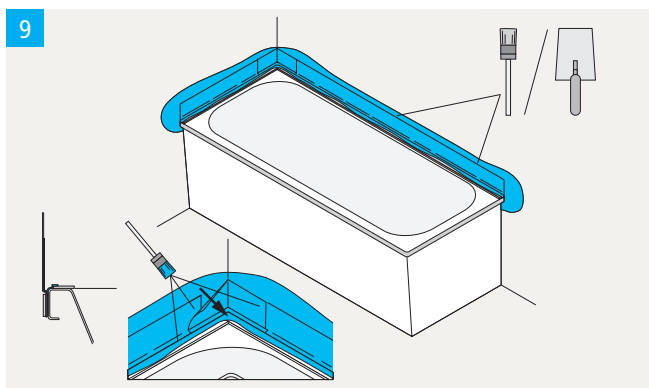
For easier installation, fold Poresta® 3D bath edge sealing tape inward and fix in place before inserting the bath.



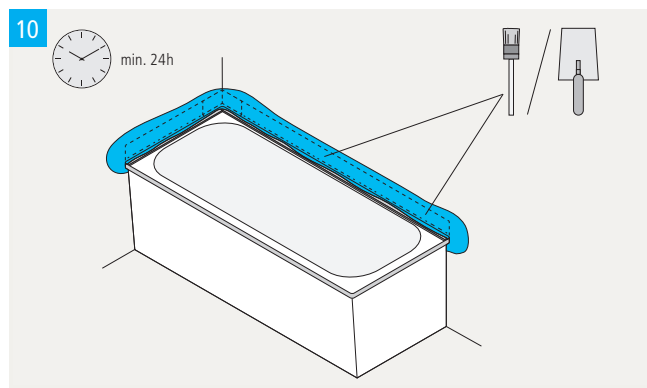
Apply Poresta® sound insulation tape to protect the bath surface.



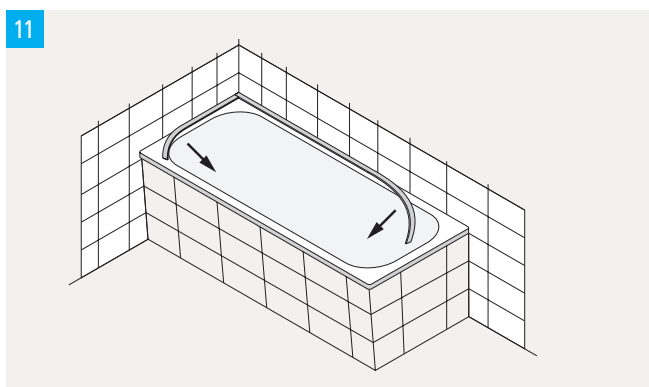
Application of the first layer of Poresta® BFA.



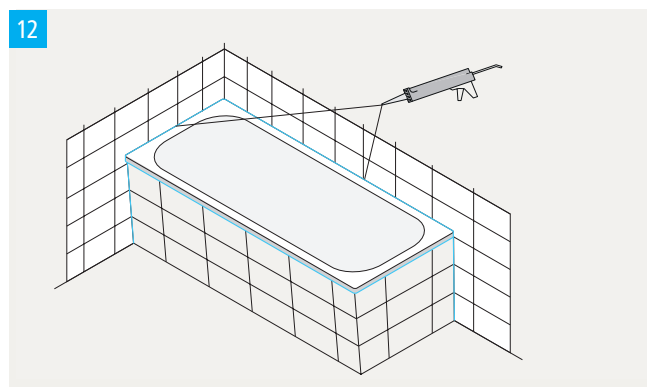
Sealing of the Poresta® 3D inside corner and the Poresta® 3D bath edge sealing tape with Poresta® BFA sealing compound.



Application of the second layer Poresta® BFA. After 24 hours of drying time, the area can be tiled over.



Removal of the Poresta® sound insulation tape.



Professional grouting of the joint area with silicone.

# Poresta® Safety Box and Poresta® Slight base

30

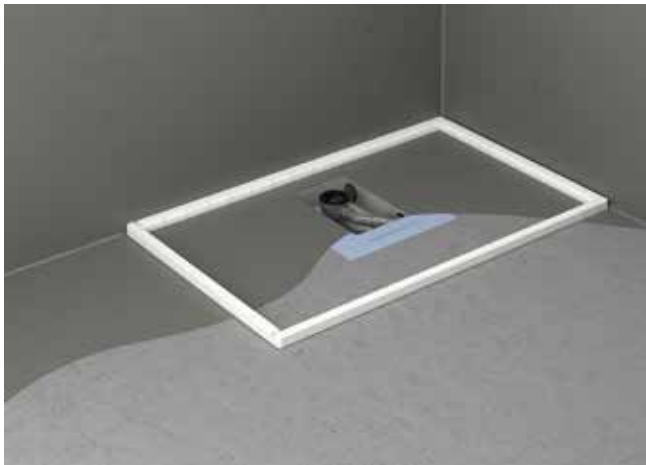
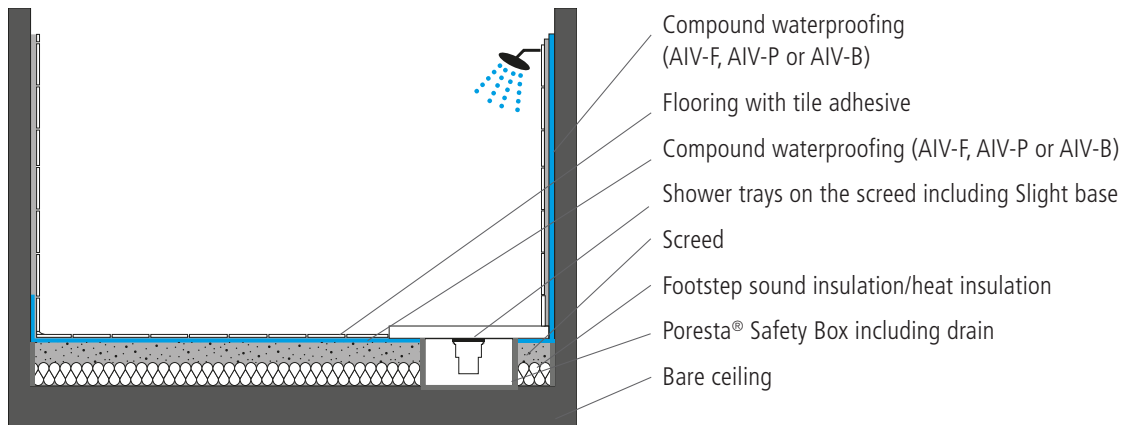
## The perfect combination for easy and safe installation

The Poresta® Safety Box is a drain box for the installation of a bath drain. The Poresta® Safety Box is watertight and can be easily integrated into a sealing system installed on site using the factory-fitted sealing sleeve.

The drain body disappears into the floor structure in the Poresta® Safety Box.

The wastewater pipe can be guided out of the box, through the sealing level, in accordance with standards via the factory-sealed duct. The sealing level runs continuously underneath the bath.

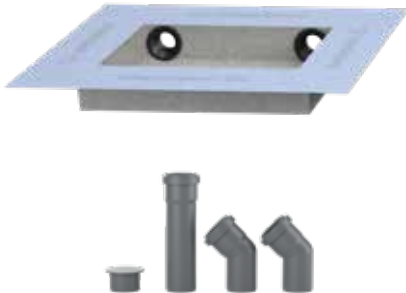
Thanks to the low installation height of the Poresta® Slight base, flat steel shower trays with an effective depth of up to  $\leq 35$  mm and a size of 1,600 x 1,000 mm can be installed almost flush with the floor in conjunction with the Poresta® Safety Box. The pre-formed segments make it easy to adjust the shower base to the desired size.



## Seal

The Poresta® Safety Box is a factory-sealed mounting chamber with an integrated sealing sleeve:

- Installation part in accordance with DIN 18534 "Waterproofing of indoor areas" to protect the structural element against moisture penetration
- factory-tested for leak tightness
- critical, on-site sealing transitions to the pipe openings are eliminated
- easy integration into the "compound waterproofing" system



### Poresta® Safety Box

- delivered ready for assembly
- drain set DN 40 or DN 50 as separate accessories
- sealing sleeve integrated, no additional sealing tapes required
- drain box height 75/100 mm
- length 460 mm/width 320 mm
- can be flexibly adapted to the structural situation by connecting on the left or right side
- quick and easy installation of the shower
- clear guarantee assignment
- time and cost savings thanks to easy, tension-free installation



### Poresta® BFA

- solvent-free dispersion seals for indoor areas with the exception of swimming pools
- Container 6 kg (1.2 kg per sqm)
- up to W1-I on the floor



### Poresta® BFA

- solvent-free dispersion seals for indoor areas with the exception of swimming pools
- Tube (500 ml)
- up to W1-I on the floor



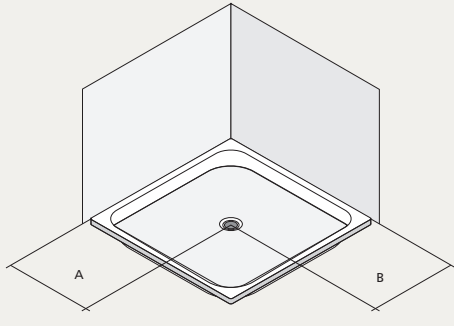
### Poresta® Slight base

- suitable for steel shower trays up to a size of 1,600 x 1,000 mm with an effective depth of  $\leq 35$  mm
- 2 frame parts 1,525 x 45 x 35 mm and 2 frame parts 925 x 45 x 35 mm
- easily adjustable to the desired size without measuring thanks to pre-formed segments
- thanks to the compound seal running underneath the base, no on-site connection of the shower tray with bath edge sealing tapes is necessary
- ideal for use in conjunction with the Poresta® Safety Box
- bonding is achieved with shower tray and bath base expanding foam,
- construction adhesive or with commercially-available construction silicone
- enables quick and easy installation of the shower tray

# Installation of the Poresta® Safety Box

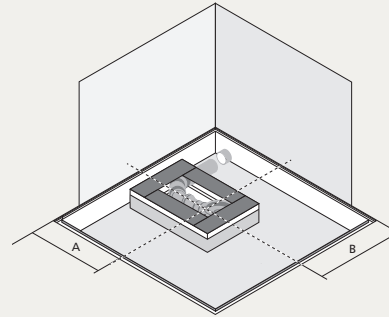
32

1



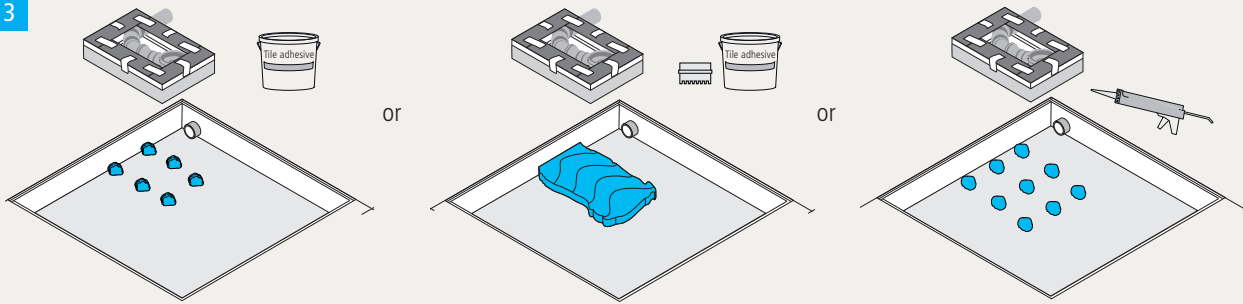
Determine drain position and align Poresta® Safety Box.

2



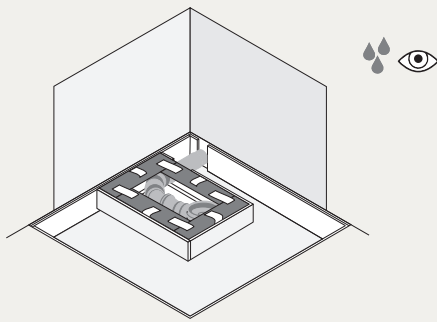
Align the drain centre of the box with the drain centre of the shower system.

3



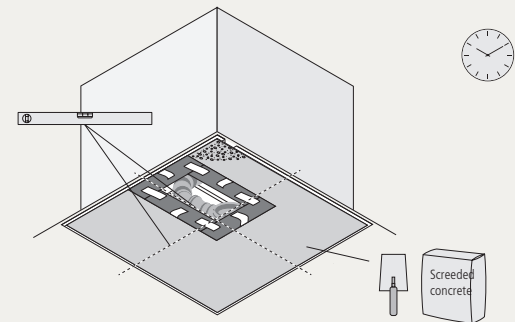
Glue Poresta® Safety Box to the bare floor. Adjust the height with support elements, if necessary.

4



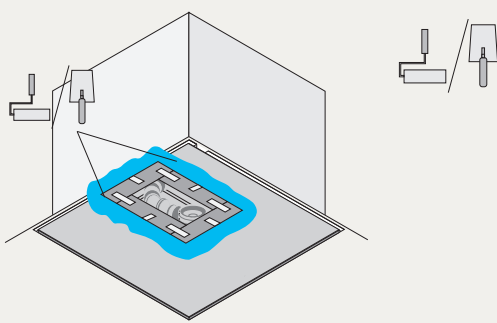
Decouple Poresta® Safety Box all around with edge insulation strips.

5



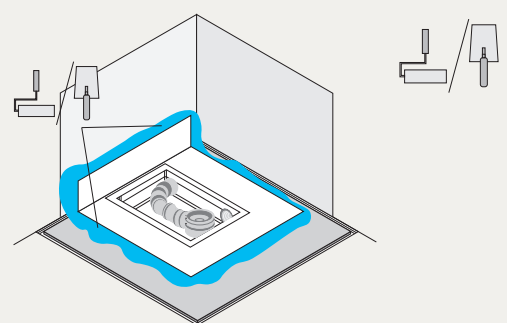
Remove the installation cover after the screed work.

6



Seal the sealing sleeve or integrate it into the on-site seal.

7



Apply the second waterproofing layer after the drying time.

## Bibliography

DIN 18534, published by Beuth Verlag GmbH, Berlin in the following parts:

- DIN 18534-1: 2017-07 Abdichtungen von Innenräumen - Teil 1: Anforderungen, Planungs- und Ausführungsgrundsätze
- DIN 18534-3: 2017-07 Abdichtungen von Innenräumen - Teil 3: Abdichtung mit flüssig zu verarbeitenden Abdichtungsstoffen im Verbund mit Fliesen und Platten (AIV-F)
- DIN 18534-5: 2017-07 Abdichtungen von Innenräumen - Teil 5: Abdichtung mit bahnenförmigen Abdichtungsstoffen im Verbund mit Fliesen und Platten (AIV-B).
- DIN 18534-6: 2017-07 Abdichtungen von Innenräumen - Teil 6: Abdichtung mit plattenförmigen Abdichtungsstoffen im Verbund mit Fliesen und Platten (AIV-P)

ETAG 022: Watertight Covering Kits for Wet Room floors and or walls

Part 1: Liquid Applied Coverings with or without wearing surface (20-07-2011)

Part 2: Kits based on flexible Sheets (15-03-2011)

Part 3: Kits based on inherently watertight Boards (15-03-2011)

published by: European Organisation for Technical Approvals (EOTA), Brussels

Regulation (EU) No. 305/2011 of the European Parliament and of the Council  
(Construction Products Regulation, CPD).

Official Journal of the European Union as amended from time to time

Model Administrative Regulation on Technical Building Regulations (MVV TB) in the currently valid version,  
published by Deutsches Institut für Bauphysik DIBT, Berlin

## Notes





Rev. 00 As of 06/2021  
Subject to technical modifications and errors