



PRO SERIES

WET ROOM SYSTEMS



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RED AGENCY PARIS

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Bostik Industries Ltd.,
Newtown,
Swords,
Co. Dublin, Ireland
Tel: +353 (0) 1862 4900
www.bostik.com/ireland

Bostik Ltd.,
Common Road,
Stafford,
ST16 3EH, U.K.
Tel: +44 (0) 1785 272625
www.bostik.com/uk

Adhesive solutions by **ARKEMA**



TILING

IDEAL SOLUTIONS FOR WET ROOM

SOLUTIONS FOR YOUR NEEDS

Bostik is a provider of high-performance solutions in waterproofing under tiling.

Exposure to moisture is the most common wet room problem. The selection of a tiled finish will not guarantee a watertight finish. Rising insurance premiums reflect water damage caused by leakage from wet rooms. Bostik can provide system solutions that quickly and effectively allow a wet room to be installed in any location.

Our systems can be applied in all wet room areas in new buildings, renovation jobs or offsite construction, as they are certified under the current European standards.

OUR COMMITMENTS

— TO PROVIDE COMPLETE SOLUTIONS THAT TOUCH AND IMPROVE PEOPLE'S DAILY LIVES

— TO OFFER SOLUTIONS THAT ENABLES OUR CUSTOMERS TO ACHIEVE THE HIGHEST LEVELS OF PERFORMANCE AND QUALITY EVEN IN DIFFICULT CHALLENGES

— BEING CLOSE TO OUR CUSTOMERS INSIGHTS, NEEDS AND FOR ASSISTANCE

— PLACING PRIORITY ON OFFERING THE MARKET EASY TO APPLY SOLUTIONS

COMPLETE **WET ROOM SYSTEMS** FOR PROFESSIONALS



PEEL & STICK SYSTEM

- Quick, easy and clean installation
- Waterproof and tile in one day
- Self-sealing



LIQUID SYSTEM

- Ready-to-use
- Application by roll or brush
- Close to applicator habits



FOIL SYSTEM

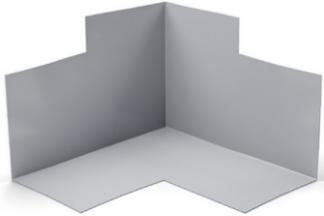
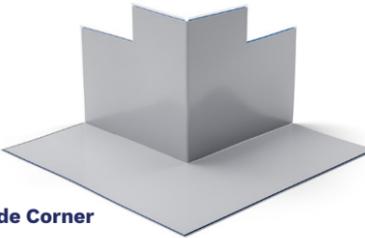
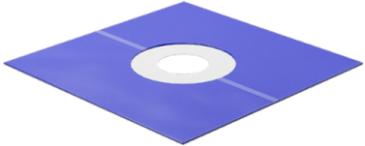
- Easy to apply and possible to adjust
- No restriction on tile weight
- Designed for residential and commercial projects

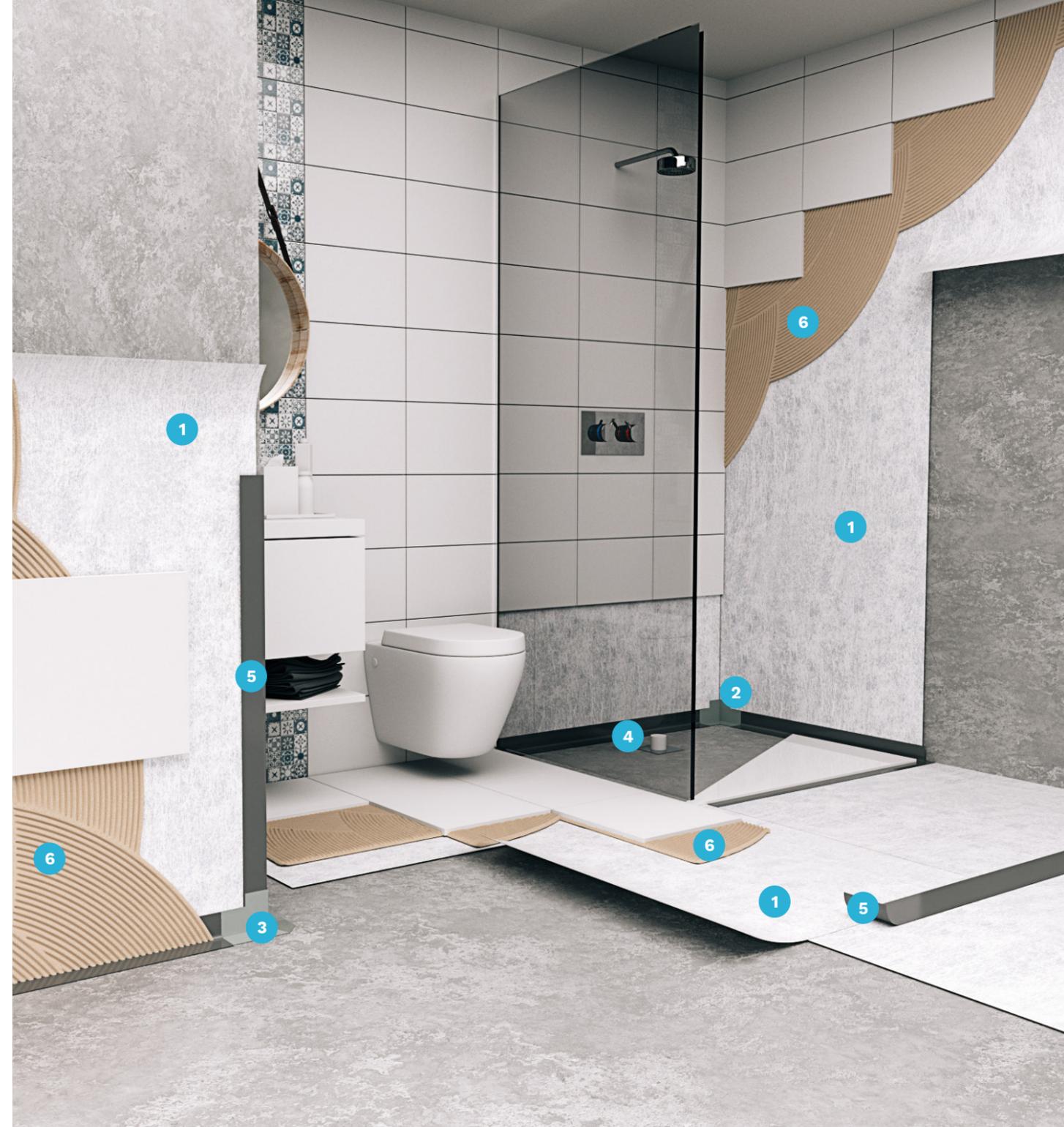


PEEL & STICK SYSTEM

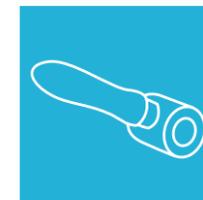
The Peel & Stick System is easy and quick to provide waterproofing system for bathrooms and/or indoor wet rooms. No additional adhesive is required for the installation of this Wet Room System, the components can be easily applied to the substrate by peeling off the release film. Tiling can be started directly after the installation. Peel & Stick System has a tensile resistance of 60kg/sq m, providing superior weight resistance. Ideal for large heavy tiles or stones.

PEEL & STICK SYSTEM COMPONENTS

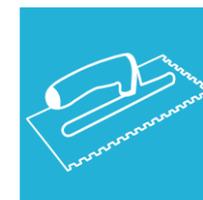
 <p>1 Peel & Stick Membrane</p>	 <p>2 Inside Corner</p>
 <p>3 Outside Corner</p>	 <p>4 Flexible Collar 140mm</p>
 <p>5 Sealing Tape</p>	 <p>6 Bostik tile adhesive</p>



TOOLS



Rubber Roller



Tile Adhesive Trowel



PEEL & STICK SYSTEM

PREPARATION



Before laying the membranes and system components, the substrate should be free from dust, oil and other anti-adhesive components. The application area should be level and smooth, and at best prepared with a suitable primer.

FLOOR APPLICATION



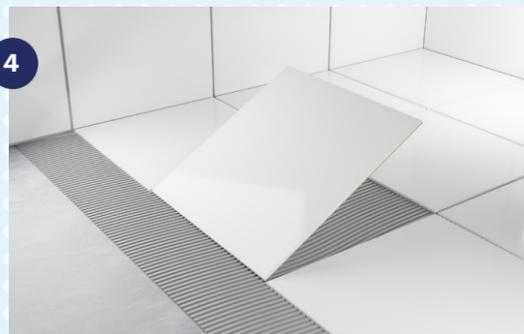
STEP 1.
First install the accessories of the water-proofing system such as corners, flexible collars and tape.



STEP 2.
Remove the release film and press the entire surface forcefully and over with the aid of a pressure roller.

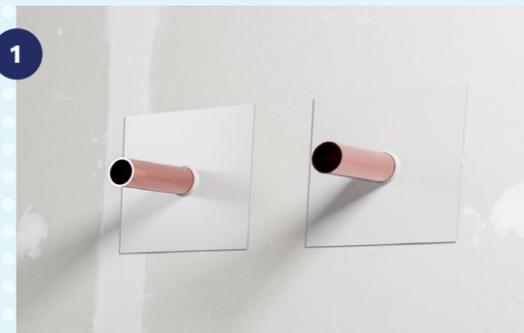


STEP 3.
According to DIN 18534, the waterproofing membrane should overlap the system components by at least 50mm. When laying the sheets and accessories, ensure that they are installed without folds or bubbles.

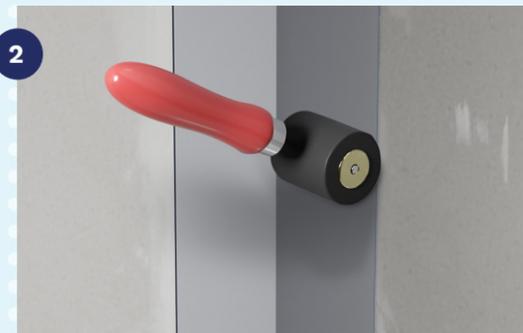


STEP 4.
You can now start tiling without any drying time.

WALL APPLICATION



STEP 1.
First install the accessories of the water-proofing system such as corners, flexible collars and tape.



STEP 2.
Pre-Cut the membrane to the required lengths. Mount Waterproofing Foil vertically with joints either flush or alternatively with a 30mm overlap.



STEP 3.
According to DIN 18534, the waterproofing membrane should overlap the system components by at least 50mm. When laying the sheets and accessories, ensure that they are installed without folds or bubbles.



STEP 4.
You can now start tiling without any drying time.

SIMPLE AND CLEAN APPLICATION





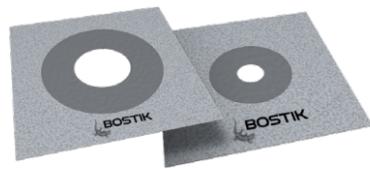
LIQUID SYSTEM

The Bostik Liquid System is an easy to apply, ready-to-use waterproofing system for internal wet areas. It is a highly flexible solution that, with the tape, collar and corners, creates a total waterproof barrier under tile covers.

LIQUID SYSTEM COMPONENTS



1 Bostik liquid membrane



2 Sealing Collar



3 Jointing Tape



4 Bostik tile adhesive



5 Bostik primer for absorbent surfaces

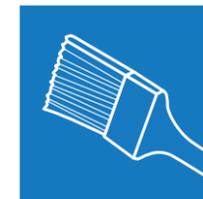


LIQUID SYSTEM

TOOLS



Roller



Brush



Tile Adhesive Trowel

FLOOR AND WALL APPLICATION

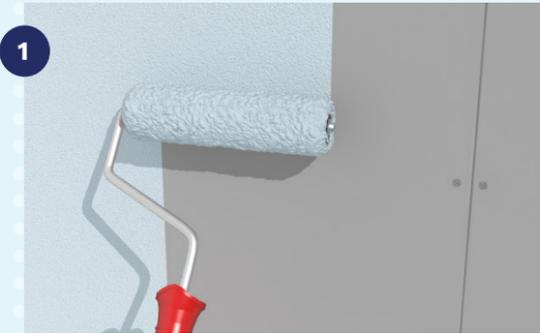
PREPARATION



Before the application of the Bostik Liquid Wetroom System, new structures should first be allowed to dry out for the following minimum periods:

- Concrete: 6 weeks
- Plaster: 4 weeks
- Cement / Sand Rendering: 2 weeks
- Screeds: 3 weeks

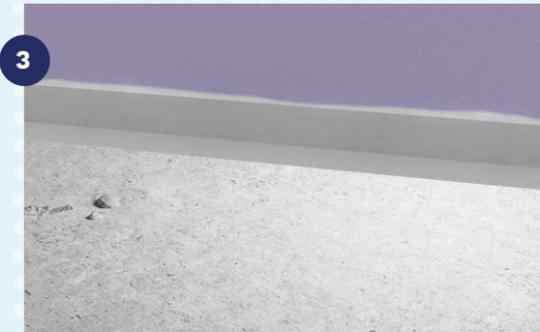
All surfaces must be solid, dry and be free from dirt, oil, dust or any other contaminants. Any gaps or voids must first be filled with a suitable filler or sealant and be given time to cure. Absorbent surfaces should first be primed with Bostik Grip A500 Multi Primer.



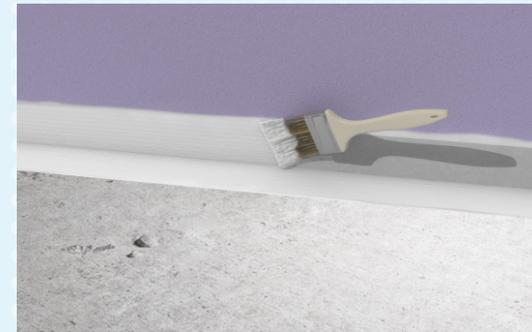
STEP 1.
Prime the backgrounds using Bostik Grip A500 Multi primer and allow to dry according to recommended guidelines.



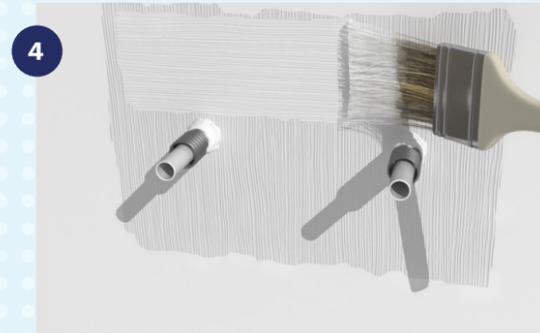
STEP 2.
Apply Bostik Liquid Waterproofing Membrane by brush, roller or trowel to the joints between wall and floors and vertical wall-to-wall joints paying particular attention to corners.



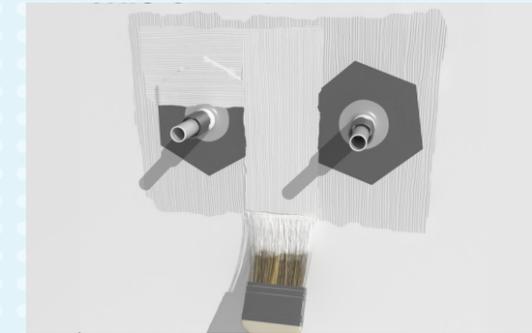
STEP 3.
Bed the preformed corners and jointing tape into the wet membrane, paying particular attention to the overlaps. Ensure all air bubbles have been



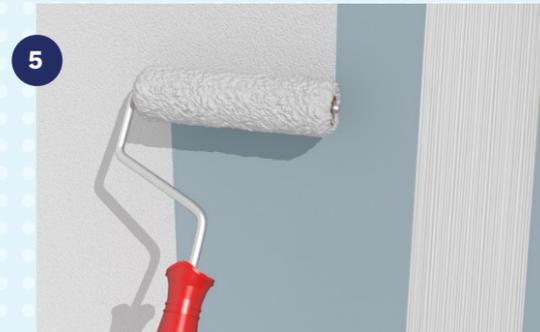
removed from the tape and 100% adhesion and coverage has been achieved. Smooth off any excess material with a brush.



STEP 4.
For pipe penetrations and drains, seal these using preformed pipe-sealing collars bedded into wet liquid membrane. Ensure all air bubbles have been removed from the tape and 100% adhesion and



coverage has been achieved. Apply a second coat over the collar edges and smooth off any excess material.



STEP 5.
Apply the first coat of Bostik Liquid Waterproofing Membrane to the walls and floors using a short pile roller. Allow to dry.



STEP 6.
Apply the second coat of Bostik Liquid Waterproofing Membrane to the walls and floors using a short pile roller. Allow to dry. Inspect the complete installation to ensure that it is a seamless covering with no apparent areas overlooked.

**READY TO USE
& EASY TO APPLY**

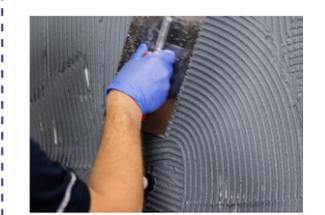
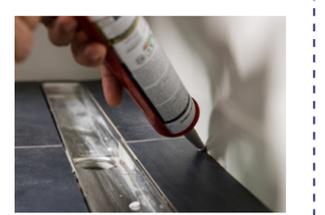




FOIL SYSTEM

Bostik waterproofing foil system is a high performance waterproofing for concrete, lightweight concrete, sheet structures, plaster and plastered surfaces. In addition to wetrooms, it can also be used in situations where water pressure resistance is needed, as on swimming pools. This system has a high water vapor resistance. Bostik waterproofing systems are tested according to European standard ETAG 022 and meet national standards.

FOIL SYSTEM COMPONENTS

 1 Foil Membrane	 2 Inside Corner	 3 Outside Corner
 4 Tile Adhesive	 5 Floor and Wall Collars	 6 Waterproofing Strip
 7 Universal Drain Matting	 8 Tile Adhesive	 9 Joint Sealer
		 10 Primer for absorbent substrates



FOIL SYSTEM

TOOLS



Roller



Brush



Tile Adhesive Trowel



PREPARATION

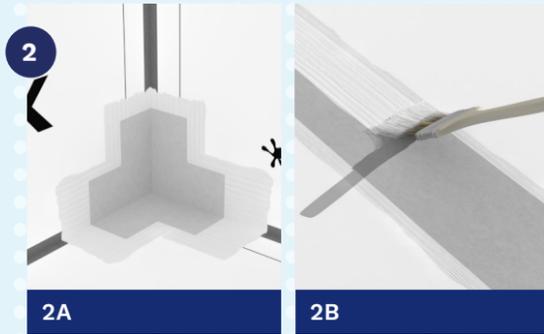


Before laying the membranes and system components, the substrate must be prepared and be free from dust, oil and other anti-adhesive components. The application area should be level and smooth. Fill gaps larger than 2mm in the corner of the wall joints and pipe penetrations with Bostik acrylic sealant.

FLOOR APPLICATION



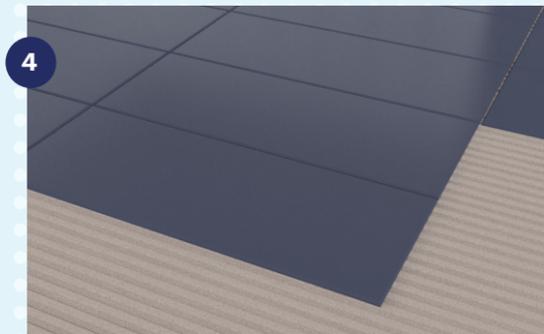
STEP 1.
Waterproofing foil must be cut clean and straight at floor to wall junctions.



STEP 2.
2A Brush Bostik Foil Seal & Grab liberally on all corners and edge to edge joints then install waterproofing corners and strips on the wet cement.
2B Brush or spread Bostik FoilSeal & Grab on top of the waterproofing corners and at least 30mm wide.



STEP 3.
Brush Bostik FoilSeal & Grab around the washbasin and toilet outlets so the whole collar gets full adhesion.
NOTE Do not apply Foil Seal on to the pipe itself. Brush or spread Bostik FoilSeal & Grab on the collar and at least 30mm wide.



STEP 4.
Tiles can be installed after 12 hours of drying time as per step 5 for the Wall Application.

WALL APPLICATION



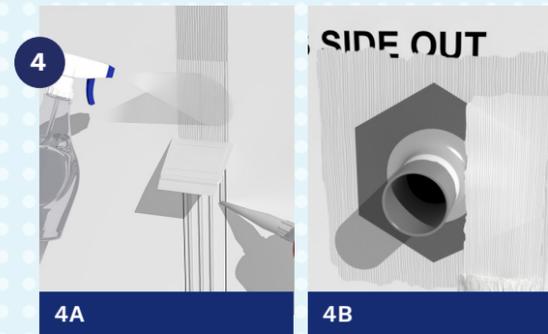
STEP 1.
Apply suitable BOSTIK primer to the background and allow to dry. Apply Bostik cementitious adhesive with a notched 4mm trowel 1 sheet at a time.



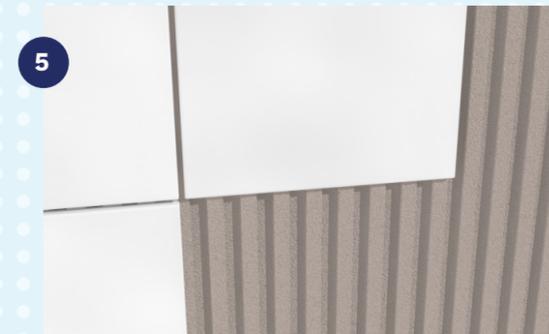
STEP 2.
Pre-Cut the membrane to the required lengths. Mount Waterproofing Foil vertically with joints either flush or alternatively with a 30mm overlap.



STEP 3.
3A Roll or brush Bostik FoilSeal & Grab on all foil joints.
3B Apply the waterproofing strip on the wet Bostik FoilSeal & Grab. Apply Bostik FoilSeal & Grab on top of the waterproofing strip 30mm outside.



STEP 4.
4A Apply regular glue lines, smooth the adhesive with a trowel. Spray glue with water to accelerate drying time. Press in the strip, or overlap with a flat trowel. Excess glue should be smoothed back over the joint.
4B Brush or spread Bostik FoilSeal & Grab liberally on all Collars.



STEP 5.
Tiles can be installed after 12 hours of drying time. Spread the adhesive, with the smooth side of the trowel. Even out with the toothed side. Mount the tile by pressing and turning it against the surface. Check occasionally that the back of the tile has been full bonded. Remove adhesive that has penetrated up more than half the depth of the joint. Allow to dry for 12-24 hours before grouting.

IDEAL FOR RESIDENTIAL & COMMERCIAL PROJECTS



STANDARDS AND DETAILS

All products in the waterproofing system are tested together to meet the requirements under current trade rules. No part of the system must be replaced.

Guidelines for Waterproofing Wet Areas

General Guidelines and industry regulations for wet rooms

- The wet room is divided into wet zones. Wet zone 1 is the entire floor surface in the wet room, the walls in the tub/shower and wall surfaces. If the outer wall is included in the wet zone 1 the entire outer wall is considered wet zone 1. Wet zone 2 is all other wall surfaces. See picture and table below.
- The walls and floors of sheet construction in wet zone 1 shall be coated with a waterproof foil-type systems, ie Bostik foil system.
- Walls of sheet construction in wet zone 2 may be coated with a system of foil type system, ie Bostik foil system or a liquid system applied by roller such as Bostik liquid system.
- The walls and floors of solid construction, ie concrete ceilings, polished concrete or brick, can be coated with a system of foil type, ie Bostik waterproofing systems foil or a liquid roll applied system, ie Bostik waterproofing systems liquid.
- Cardboard dressed plaster may only be used in the wet zone 2. For the other walls in the wet zone 1 shall be approved for use in wet areas.

Where to apply the rules and what is a wet room?

The rules apply to the function and application of waterproofing systems in wet areas, where ceramic or natural stone is the final finish of the floors and walls. It works for wet room, bathrooms and showers in both residential buildings and other areas. The rules also cover floors in toilets and laundry rooms and floors in areas with water heating where the waterproofing should be the minimum, 50mm wall. Both new construction and renovation are covered by the guidelines.

To meet the requirements of the guidelines, the installation of the wet room must follow the Bostik instructions and the right products. As mentioned in our recommendations.

Easy, Fast and Reliable

Bostik's installation instructions must be followed and specific products used in building construction. Only then considered the work to be performed in accordance with the guidelines. It is important to read through the technical data sheet on the use of the included products in the installation instructions. For more info, contact your dealer of Bostik products or visit your local Bostik technical centre.

Quality documents should be completed for all applications and signed by the wetroom installer to ensure the system has been completed.

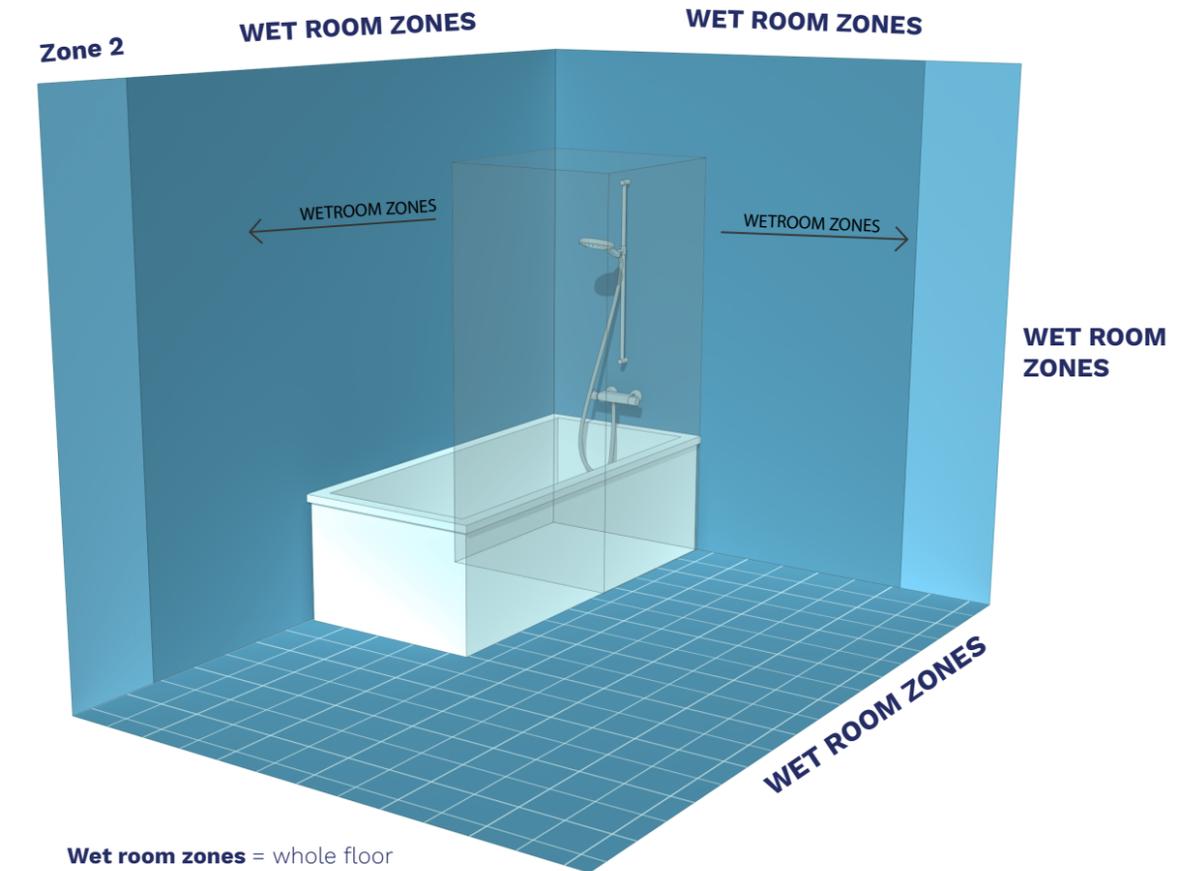
Copy of quality documents and assembly instructions for the authorized waterproofing system is stored and made available if necessary for future building requirements or repairs.

Zone 1	VTv10	VTvF	VTg10	VTgF
Approved Sheet material - cement board		•		
Dense backgrounds such as plaster, Brick or concrete	•	•		
Board materials and screed on the floor				•
Solid Concrete Floors			•	•

Zone 2	VTv10	VTvF	VTg10	VTgF
Plasterboard sheets	•	•		
Approved Sheet material	•	•		
Dense backgrounds such as plaster, Brick or concrete	•	•		

VTv10 = liquid for walls
 VTvF = Foil for walls
 VTg10 = liquid for floor
 VTgF = Foil for floors

WET ROOM ZONES



Wet room zones = whole floor plus the blue section on the wall.
Zone 2 = Other surfaces.

SUBSTRATE PREPARATION

Before work begins, the substrate must be prepared, clean and dry following the local norms. Material and substrate should have a temperature of at least +10°C before starting installation.

SEALS

Sealing with waterproofing strips and drain collars should be applied to all transitions, wall/floor junctions, wall/wall junctions and pipe penetrations. Joints in sheet structures do not need to be sealed when protected with waterproofing foil. When installing a vinyl wet room covering on the floor, the covering must reach up the wall and joined edge to edge with the wall membrane, it should not be overlapped. The joint should be sealed with butyl joint strips and covered by a layer of Bostik Membrane. Butyl joint strips and wet room floor coverings should overlap by 50 mm.

WALL SURFACES

Suitable substrates for waterproofing are concrete, plaster and approved wet room boards. Note that plaster board is only allowed in wet zone 2.

Render, Plaster and Concrete

The concrete should be at least 2 months old, and to be cast to form a smooth finish. Uneven substrates, cracks and voids must be repaired using the correct BOSTIK solutions. Weak surface and any laitance, from oil and other contaminants must be removed. Please note that pre-mixed wall filler or adhesive can not be used as filler.

Board / Sheet Materials

Wood-based panels are not recommended as a base for waterproofing and ceramic tiles. Sheet and panel backgrounds shall be documented suitable for use in wet areas and must be installed according to the manufacturer's instructions. Sheet walls must meet the tolerance requirements as described in local Building Rules for wet rooms. Absorbent materials must be pretreated with acrylic Primer diluted 3:1 with water.

FLOOR SURFACES

Suitable substrates for waterproofing are concrete and screeds. The floor should slope towards a floor drain. On the floor surfaces which are regularly exposed to water spray, the floor drain in the shower and in the bathtub, the fall must be at least 1: 150 (6.7mm/m) and a maximum of 1:50 (20mm/m).

Floor falls must otherwise be constructed in the range of 1: 100-1: 200 (10-5mm/m) in the areas which are exposed to water spray or water spills. Back spill or overfalls may not occur in any part of these areas.

Concrete

Must be at least 2 months old and have a floated surface. Uneven substrates, cracks and voids must be repaired using the correct BOSTIK solutions. Weak surface and any laitance, from oil and other contaminants must be removed. Concrete deformation due to shrinkage should be observed. The relative humidity (RH) should not exceed 85%.

Screed

Must be cement-bonded.

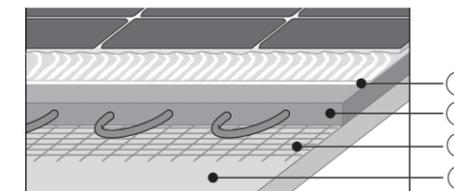
Wooden joists

Floor boards must always be glued and screwed according to the board manufacturer. The floor must be rigid with a bending stiffness at least equal to 22mm floorboards mounted on battens with a maximum centre of 300mm.

WBP plywood must be coated with the approved primer and leveling compound before coverings are installed. If a rule, the distance is > 600mm, the slab must be reinforced with noggings with center distance of 300mm. The design includes a welded steel mesh, wire diameter 2.5mm mesh width about 50mm or equivalent crack reinforcement. Minimum thickness of screed should be 12mm at the floor drain.

HEATED FLOOR

The heating system should be covered with:
 - Electrically heated cables - these cables must be bedded in at least 10mm of SLC
 - Water system - the heating tubes should be bedded in a screed of at least 50mm and a 25mm screed layer above the pipes should be observed.
 The routing of electrical underfloor heating must be performed by a qualified electrician. Underfloor heating systems shall be installed according to the manufacturer's instructions. Operation and startup of systems to be carried out according to the respective manufacturer's instructions and guidance, but not earlier than 28 days after tiling.



Floor construction in wet

1. Waterproofing System 2. Screed + Falls + Heating
 3. Reinforcing Matting 4. WBP
 Cable/pipe should not be placed under the floor-mounted toilet seat or bidet.

FLOOR DRAIN

Must be approved and installed in accordance with manufacturer's instructions. The sump is to be mounted flush with the surface of the membrane. Sumps that were manufactured before 1990 must be replaced. Minimum thickness of screed should be 12mm at the sump.

Pipe

The pipes must be well fixed. The center distance between the pipe wall must be at least 40mm. The distance between the pipes in the floor and finished wall should be at least 60mm.

The pipes must protrude at least 100mm from the floor and wall, as well as to be perpendicular mounted. The pipes must be sealed to the floor and the wall structure. At the penetrations of pipes in wetroom systems the seal should be carried the outer tube and it should protrude perpendicularly and at least 100mm from the wall. If the outer casing is missing or cut flush with the wall construction waterproofing work should not be carried out until this is fixed by the responsible plumbing installer. On the floors

and walls in wet rooms, on-site shower or bath, no other seals or glands should be over drains or connection for mixer.

PIPES / DRAIN	COLLAR
Water Pipe	10-24mm
Sink Drain	32-55mm
Toilet Outlet	70-110mm
Pipe in pipe	10-24mm

Soft joint in wet areas

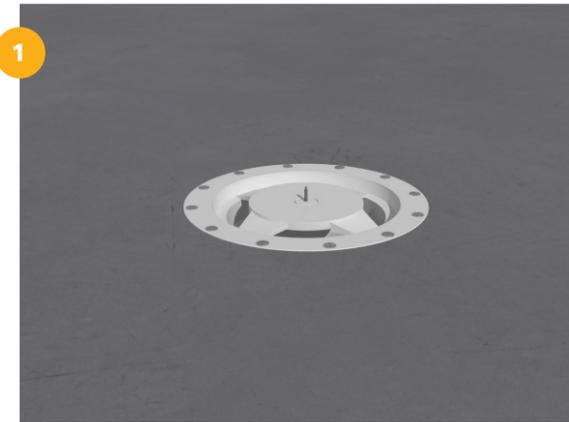
Soft joints (silicone) should only be carried out where they are necessary, justified by the expected movements.

Soft joint should normally be conducted:

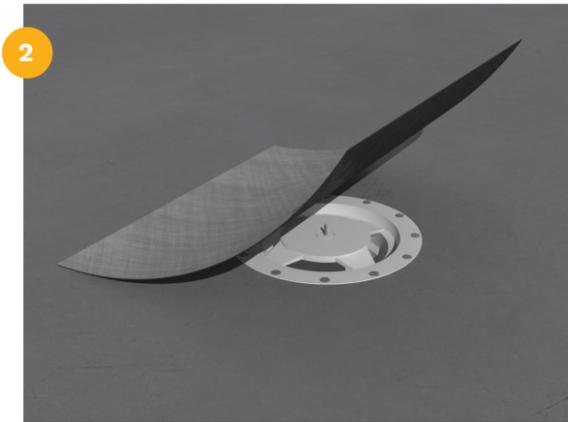
- In corners and angles where the substrate on both sides of the concrete that is cast less than a year before tiling.
- In new construction when the risk of movement in the ground can be expected, for example, the wall angle when the disc design meets the concrete wall or slab design meets disc design.
- During the transition to other materials in the walls, such as door frames, window frame, door frame and sill.
- Normally the floor/wall angle of underfloor heating is installed.

SEALING OF FLOOR DRAINS

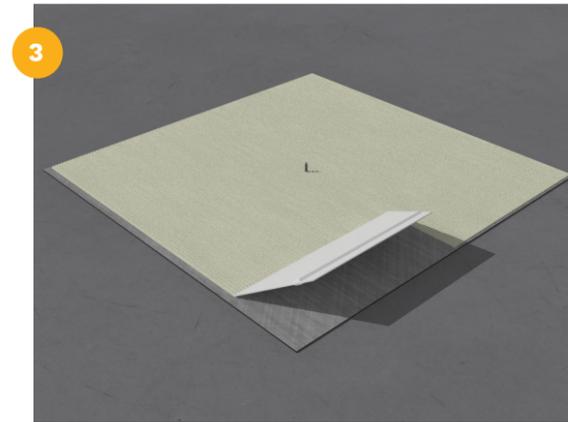
PURUS TYPE



1 Make sure the floor is clean and free of dust.



2 Mount drain seal mat centered over the floor drain with the adhesive side down and the fiber surface upwards.



3 Apply Bostik Foilseal cement or Foilseal Grab to the drain collar fiber surface.



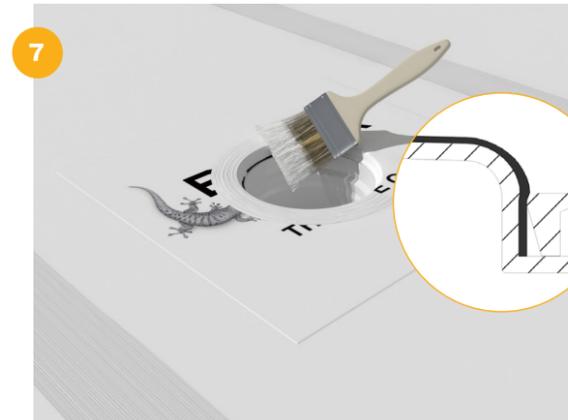
4 Mount waterproofing foil on the floor and over the well cuff. Rub carefully the foil to the substrate. Let dry for 12 hours.



5 Use the specialised tools to cut out the hole for the well.



6 Remove the mounting jig and mold the foil and drain seal so it touches the inside edge of the well.



7 To facilitate the mounting of the clamping ring Membrane can be brushed thinly around the edge of the well where the clamping ring will sit.

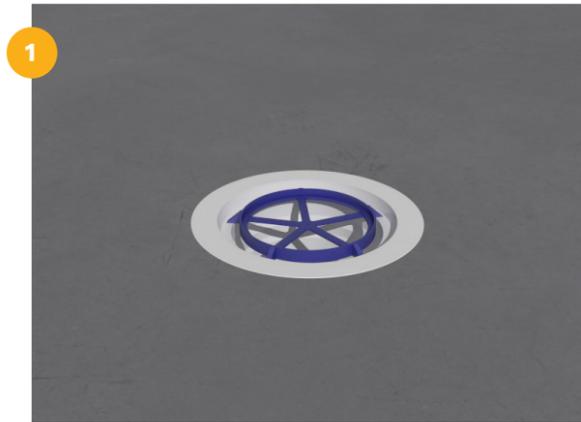


8 Attach the clamping ring of the well strainer and press it until it snaps into position. Make sure that the ring is in the correct position.

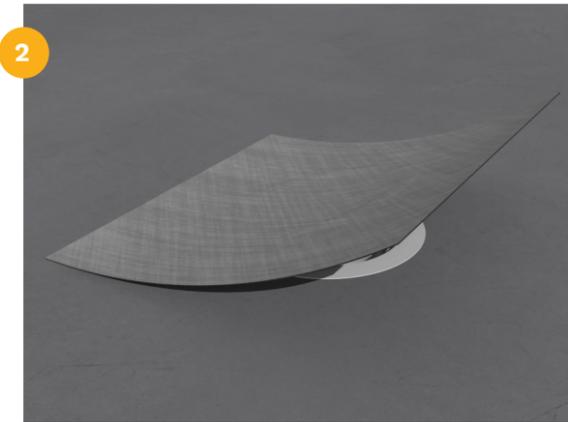


SEALING OF FLOOR DRAINS

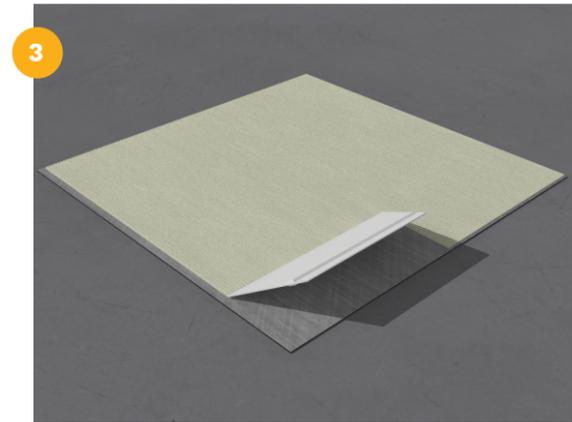
JAFO TYPE



1 Make sure the floor is clean and free of dust.



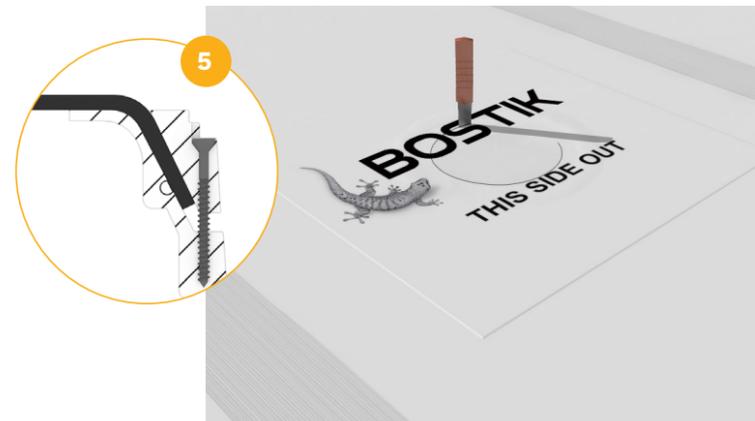
2 Mount drain seal mat centered over the floor drain with the adhesive side down and the fiber surface upwards.



3 Apply Bostik Foilseal cement or Foilseal Grab to the drain collar fiber surface.



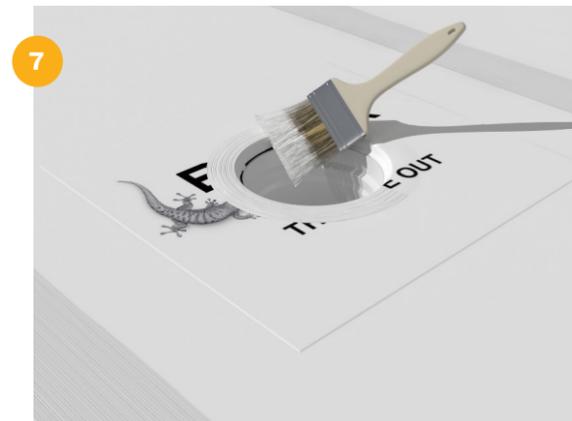
4 Mount waterproofing foil on the floor and over the well cuff. Rub carefully the foil to the substrate. Let dry for 12 hours.



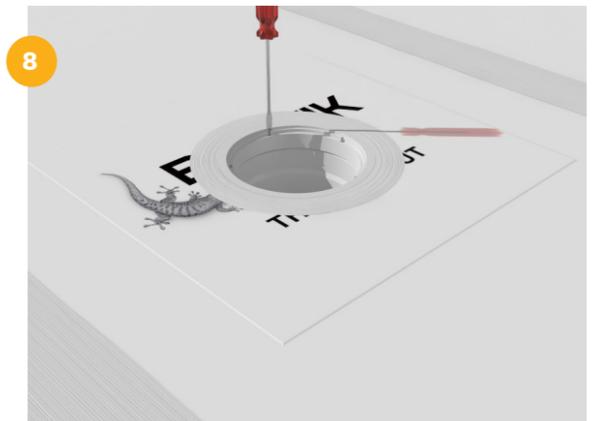
5 Cut around Jafos cutting template. The cuff should reach down to where the conical rebate goes into the horizontal. There may not be any cuff around the clamping ring.



6 Mount waterproofing foil on the floor and over the Remove the cutout and mold the foil and drain seal so it touches the inside edge of the drain.



7 After molding, spread some sealant to the edges to achieve a perfect seal.

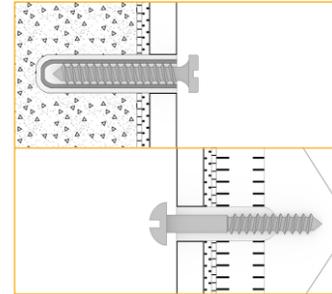


8 Mount the clamping ring with the screws. Tighten the screws alternately diagonally until the clamping ring is stable.



FIXING DETAILS

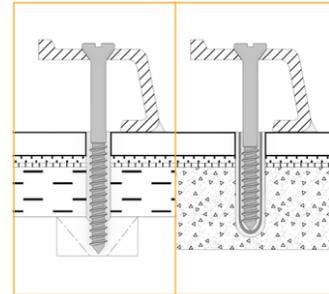
Foil wall application



12 FIXINGS

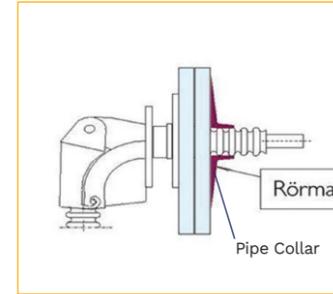
All should be made in soild construction, such as concrete, masonry or studs. The hole for attachment must be filled with Bostik silicone. Press the plug and fill it with silicone and reinstall the screw. To avoid piercing, many details can be bonded.

Foil floor application



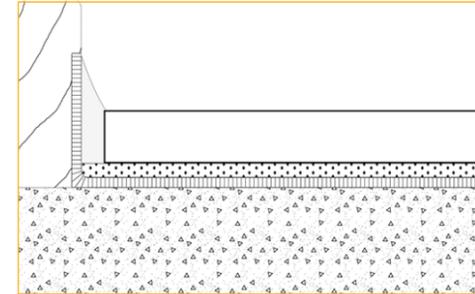
13 FIXINGS

All fixings should be made in soild construction, such as concrete, masonry or studs. The hole for attachment must be filled with Bostik silicone. Press the plug and fill it with silicone and reinstall the screw. To avoid piercing many details can be bonded.



PIPE IN PIPE

Note that the pipe-in-pipe system, the pipe sleeves seal against the jacket pipe and not on the water pipe.



TRESHOLDS

The threshold must be rebated or designed in a way that protects the waterproofing. The membrane will be folded up against the threshold of the level of the finished floor. Soft mastic should be applied according to the drawing. For bathrooms without door sill, the fall shall be at least 20mm from door opening to the well and waterproofing folded up against the bathroom tiles.

TILE REPAIR



STEP 1.

Grinding or scrape the grout around the damaged tile. Be careful not to damage the sealing layer. NOTE! Wear goggles and gloves.



STEP 2.

Cutting by means of a grinder or wetsaw. The cutting depth can not be greater than the tile.



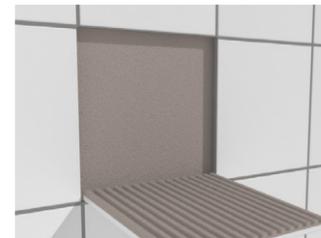
STEP 3.

Remove the small pieces with a chisel or a bolster chisel and hammer. Be careful not to damage the sealing layer.



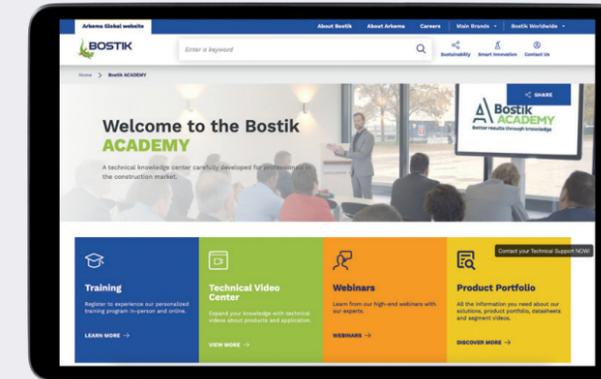
STEP 4.

Carefully scrape with a chisel or other appropriate tool, remove the remaining adhesive and tile pieces.



STEP 5.

The new tile is fixed with the adhesive applied to the back. Push the tile home and grout in 12 hours.



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