



KIT EVOLUX  
Shower drain

Easy-to-install Waterproofing Shower System

**Installation Guide**



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## THE GURU PRODUCTS

ESTIL GURÚ, S.L. is a Spanish company well-established in the construction industry whose growth has been achieved thanks to the manufacture and sale of waterproofing products using an innovative waterproof membrane, which has been carefully designed and extensively tested to guarantee perfect results. We named this waterproofing sheet WATER-STOP.

We were the first to manufacture a KIT with a waterproof barrier with the characteristics of WATER-STOP and integrated shower drain. And now GURU USA, L.L.C sets a new standard in shower waterproofing products on the North American marketplace by launching the new easy-to-install and safer EVOLUX KIT which meets American Standards providing improvements over previous products.

GURU USA,



## CONTENTS, DESCRIPTION AND CHARACTERISTICS

The EVOLUX KIT comprises a section of WATER-STOP waterproofing membrane, a stainless steel strainer assembly, either square or linear shower drain, a 2" drain body for residential use, a special two-piece clamping ring to connect the drain to the waterproofing membrane and with push-fit connection to the strainer, and finally, the required accessories to properly install shower drain and get a completely waterproofed shower pan ready to tile installation.

EVOLUX clamping ring fits in most of shower drain bases. The simple connection to standard drains makes the EVOLUX system suitable for new construction and renovation.

WATER-STOP is a thin load bearing, bonded, sheet membrane for waterproofing applications which meets the American National Standard for Thin-Set Ceramic Tile and Dimension Stone Installations ANSI A118.10 for Load Bearing, Bonded, Waterproof Membranes and ANSI A118.12 for Crack Isolation Membranes.

We strongly recommend waterproofing shower walls with WATER-STOP membrane from GURU®, which is commercially available in rolls.

### WATERPROOFING

EVOLUX KIT includes:

- A 4' 11" x 6' 7" (32.3 sq ft) –sized sheet of WATER-STOP waterproofing membrane.
- 2- W-S DIN preformed in-corner.
- 2 W-S DEX preformed out-corner.
- 1 MIXING VALVE SEAL

WATER-STOP membrane, preformed in-corner W-S DIN and out-corner W-S DEX are IAPMO listed products.



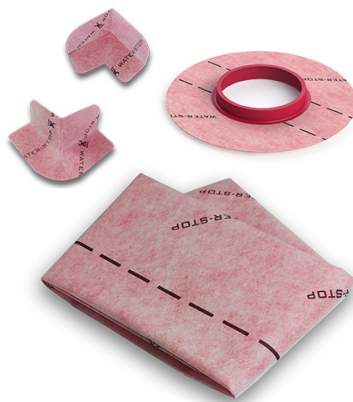
### SHOWER DRAIN

EVOLUX shower drain consists of:

- An ABS drain body base with 2" Sch. 40 hub x inside 3" connection.
- The unique two-piece EVOLUX clamping ring and adapter with a resilient gasket for push-in connection of the strainer assembly.

***EVOLUX clamping ring fits in most of shower drain bases in marketplace so you can use it if a drain body base is already installed.***

- 4 x 1/2" hex bolts and 4 x 3/4" hex bolts to attach the ring to the drain body
- Drain strainer assembly of AISI 316 stainless steel 1.5 mm thick. Sizes and designs depending on model





## EVOLUX DRAIN STRAINER ASSEMBLY TYPES

Square drains for central drainage with slopes to middle, for a traditional install.

- 4 1/2" x 4 1/2" –sized strainer body, with internal slopes and a 4" x 4" grate defining a 1/4"wide perimeter drainage slot.

Linear drains to install with one way slope and 2 opposite slopes which allow installing larger format floor covering.

- 3 sizes available: 16" / 28" / 36" long .
- 2 1/4" with strainer body with internal slopes and 2 1/8" wide grate defining a slot of 1/4" on each side for water drainage.

## EVOLUX GRATE TYPES

- LISA: Satin finish and plain design.
- PLUS: Satin finish and square holes pattern laser-cut.
- INTEGRA: Designed to be tiled with the same material as the surrounding flooring. INTEGRA model box include special accessories for its installation.



## SPECIAL ACCESSORIES FOR THE INTEGRA TILEABLE STRAINER ASSEMBLY INSTALLATION (ONLY IN EVOLUX INTEGRA MODEL BOX)

INTEGRA KIT square drain includes:

- 4 stainless steel profiles to be assembled as dripping edges.
- 4 spacers.

INTEGRA KIT linear drain includes:

- 2 stainless steel profiles sized according to the strainer to be assembled as dripping edges.
- 2 spacers.



## ACCESORIES FOR INSTALLATION (ALL MODELS)

- Strainer basket.
- Polyurethane or MS sealant adhesive tube.
- Sticker to mark the drain hole location on the WATER-STOP sheet .
- Nonwoven geotextile filter ring to protect weeping holes.
- Foam template to use when installing with reduced thickness flooring pavement (less than 1/4" thick) or the EVOLUX INTEGRA.





## INSTALLATION STEPS

### 1. Determine the EVOLUX elements you will use to install

Waterproofing must connect to the drain at clamping ring level. Since WATER-STOP membrane is a bonded waterproofing membrane it should be installed over the sloped mortar bed. So the minimum height of mortar bed at drain edge is decisive.

To set closer the clamping ring level to the mortar bed surface we will use the two-piece EVOLUX clamping ring and adapter. If needed, extra mortar bed height can be added using the template.

The height of mortar bed at drain edge depending upon the EVOLUX elements will be:

- 0 to 1/4" when using just the upper part of the EVOLUX clamping ring
- 5/8" when using just the upper part of the EVOLUX clamping ring with the template
- 3/4" when using the two-piece EVOLUX clamping ring
- 1-13/16" when using the two-piece EVOLUX clamping ring with the template

The EVOLUX system allows combine its elements in different forms so it can be adapted to the installation characteristics and requirements:

According to the subfloor

- If you are installing in wooden subfloor you must use the two-piece EVOLUX clamping ring and adapter.
- If you are installing in cement, masonry or steel stud frame subfloor you can use just the upper part of the EVOLUX clamping ring for a lower installation height.

According to the thickness of floor covering:

- If you are installing reduced thickness floor covering (less than 1/4" thick) you must use the template
- If you are installing regular thickness tiles or thicker you do not need (but you can) use the template (except for EVOLUX INTEGRA)

According to the chosen model:

- If you are installing EVOLUX INTEGRA models you must use the template
- If you are installing linear drain models using the template will be helpful to screed the one way slope mud bed

### 2. Prepare the area for installation.

Check local building codes before the installation to assure that your shower meets requirements

Frame shower walls, a curb or a recess in the floor and add wall blocking to create a shower base "box".

If you are installing in wooden subfloor:

- Ensure your floor can support the weight of a shower before beginning construction because the concrete can be quite heavy.
- Install a cleavage membrane as for example roofing felt (tar paper) to cover the flat surface of the subfloor and cutting around the drain base. The felt will serve as a moisture barrier helping the mortar to retain moisture while curing.
- Add galvanized mesh to the bottom of the shower pan to reinforce the mud layer and help hold the mortar to the shower curb (if any). Secure with galvanized staples.





### 3. Install shower drain body (if not already installed)

The drain body will sit flush with the floor. Prior to applying PVC primer to the drain base, dry fit the drain base to check length and fit.

Connect the drain to the waste pipe using PVC cement or use PVC connectors if your pipes are not PVC. Follow the PVC cement manufacturer directions to connect the drain and pipe.

### 4. Build the sloped mortar bed

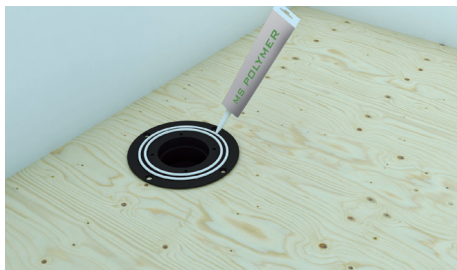
Fasten to the shower drain body the EVOLUX ring element required according the step 1 above:

- If you are using just the upper part of the EVOLUX clamping ring (for a lower installation height over suitable substrate), use the provided 1/2" bolts to attach the ring to the drain body.
- If you are installing the two-piece EVOLUX clamping ring, apply 2 continuous beads of polyurethane or MS sealant around the drain hole to seal between the drain body and the underside of the base part of the ring. Use the provided 3/4" bolts to attach the two-piece EVOLUX clamping ring to the drain body.

Cover the top of the ring with duct tape to protect the drain inlet during installation of the mortar bed

Build a 1/4" per foot (2%) sloped mortar bed using floor mix mortar.

- Measure the distance from the furthest corner to the drain edge. The mortar level at the shower wall will be 1/4" per foot higher than the height of the mortar surface at the drain edge.
- Mark the shower walls with the proper height for the mortar. Use a level to continue this line around the entire shower.
- Pour mortar up to the top edge of the EVOLUX clamping ring. Continue adding mud from the ring outward and use a straight edge or similar to screed the mud as even as possible.



If you need installing with the template according the step 1 above, place now the template over the ring.

- Continue adding mud from the wall marks to the edge of the EVOLUX clamping ring or the template until the entire pan is formed:

If you are installing a square drain model then pile mortar against the wall and compact it down to the line.

If you are installing a linear drain model then pile mortar against the furthest parallel wall from the planned position of drain and compact it down to the line. Using the template will be helpful to screed the one way slope mud bed

- Use the packed mortar at walls as a guide for screed and pour mortar layer sloped from walls and shower perimeter toward the shower drain or the template
- Finish the mortar surface smooth with a steel trowel and allow to dry overnight.



#### HOW TO USE THE FOAM TEMPLATE:

To use the template in square drains installations, place the foam ring up the clamping ring and insert the small foam circular part blocking the biggest one.

To use the template in linear drains installations, place the central foam ring up the clamping ring and insert the small foam circular part blocking it, then assemble the wings on the central section. Align the template according to the planned drain position.

The template is the right size for 36" strainer. To adjust to the size of the channel being installed, the wings must be cut symmetrically. Follow the cutting lines to adjust for 28" or 16" channels.



#### 5. Install WATER-STOP sheet over mortar layer sealed and clamped to drain

The waterproofing membrane should be one continuous piece, covering the entire pan, up the walls and over the curb (if any). Install the wall board before the membrane.

We strongly recommend waterproofing shower walls with WATER-STOP membrane which is commercially available in rolls.

Once the base has set, remove the installation template if used. Clean the mortar surface of the shower base to remove any potential abrasive debris that could damage the waterproofing membrane.

Lay the sheet of WATER-STOP over the cured shower base to determine the proper size prior to cutting it. Plan to carry the waterproofing sheet 4 - 6" up the walls and at least 3" higher than the curb (if any).

Once you are satisfied with the position of the waterproofing sheet, locate the drain hole by pushing down on the liner. Feel the edges of the opening and use the provided marker sticker to mark the spot on the WATER-STOP sheet.

Remove the sheet from the shower and cut out the marked hole drain using a utility knife or similar.

Remove the upper part of the EVOLUX clamping ring.

- If you are using just the upper part of the EVOLUX clamping ring, then apply 2 continuous beads of polyurethane or MS sealant around the drain hole to seal between the drain body and the underside of the membrane.

- If you are installing with the two-piece EVOLUX clamping ring, then apply a bead of polyurethane or MS sealant following the groove on the base part ring to seal between it and the underside of the membrane.

Install the WATER-STOP membrane making sure to align the sheet and the previously cut hole for the drain opening.

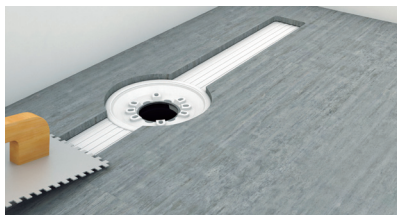
Reset the upper EVOLUX clamping ring, clamp the membrane confronting all of 8 holes and tighten clamping ring bolts.



Apply modified thin-set mortar to the floor area from the outer edge of the drain outward using a 1/8" to 1/4" (3 a 6 mm) V-notched trowel. In order to avoid trapping air under the sheet, trowel mortar in parallel rows across the width or length of the sheet.

If you are installing with the template according the step 1 above, apply modified thin-set mortar in the recess left by the template, then bond the membrane by pressing to fit the shape.

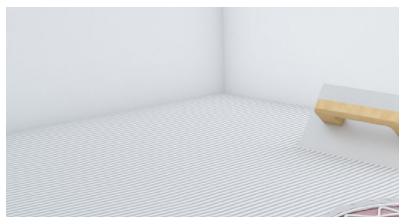
Lay the WATER-STOP sheet into the fresh bonding material. Apply pressure to the membrane with the flat side of the trowel squeezing the thin-set mortar outward toward the sheet edges or the perimeter of the shower in an effort to achieve a 100% bond and coverage, thus eliminating air bubbles and voids between the membrane and substrate.



Extend up the wall to the correct height. Fold the corners. Do not cut the waterproofing membrane at the corners. Instead, fold the WATER-STOP sheet sticking the folds and tuck them into the bond coat.

If you must cut the WATER-STOP sheet for out-corners or to avoid excessive material thickness in the corners, use provided W-S DEX preformed out-corner or W-S DIN preformed in-corner accessories to patch with polyurethane or MS sealant adhesive tube to cover the cuts.

If using the WATER-STOP membrane to waterproofing walls it goes over the cement board. Be certain to overlap the upturn sheet from floor at least 2" with the waterproofing of shower walls.



## 6. Water test.

Water testing is recommended and may be required by applicable plumbing code to insure that shower pan is watertight prior to setting tile. Wait 24 hours before testing to allow for final set of the mortar to ensure waterproof performance of the assembly at seams and connections.

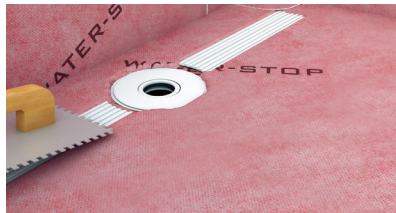
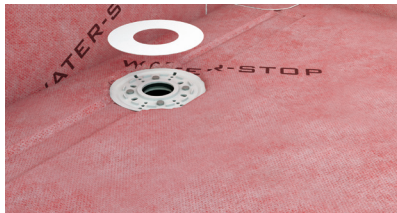




### 7. Assemble the strainer body.

Protect weep holes from clogging with the provided nonwoven geotextile filter.

Fill with mortar over geotextile filter to level flush to the waterproofing membrane.



Lay a piece of the flooring tile to set a reference height for the installation.

Lubricate the shower strainer body outlet with soapy water and slide it into the connector.

Apply a small amount of modified thin-set mortar to help seat the strainer body and press together.

Level, align and adjust the height according to floor tile thickness, so that the upper edge is flush to the flooring..

### 8. Install floor tile

Once the entire membrane with seams, corners, and connections has been completely bonded, and therefore waterproofed, the covering may be applied.

Install tile using the thin-bed method, apply modified thin-set mortar directly to the WATER-STOP surface and install the tiles. Complete coverage of WATER-STOP Membrane by the bond coat is required.

Seal the joint between the flooring and the shower channel edge with polyurethane or MS sealant or similar and position the grate.

Set tile in accordance with TCNA Handbook recommendations, ANSI A108 standards and bond coat manufacturer's instructions.

Refer to bond coat manufacturer's instructions for cure time and suitability and allow 50% additional time. Rapid-curing type of thin-set mortar may be used with approval of mortar manufacturer.

### PARTICULAR INSTRUCTIONS FOR THE EVOLUX INTEGRA TILEABLE STRAINER ASSEMBLY INSTALLATION

Prepare the strainer body by assembling the accessory stainless steel profiles as dripping edges.

- 2 profiles to put onto the long sides of the strainer body, if you are installing linear drain.
- 4 profiles to put onto every side of the strainer body, if you are installing square drain.





Lubricate the shower strainer body outlet with soapy water and slide it into the connector.

Apply a small amount of modified thin-set mortar to help seat the strainer body and press together.

Level, align and adjust the height so the membrane is flush.

Insert the facing.

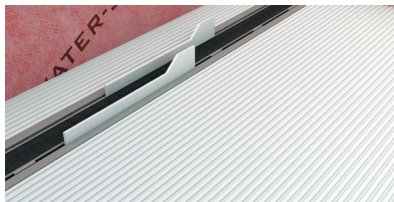
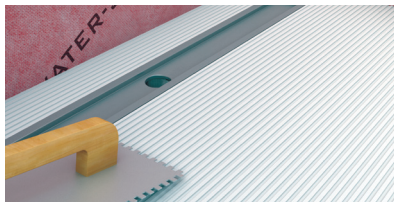
Cut the facing piece to size to cover the grate, making sure there are no sharp edges.

Cut the facing according to the model.

- INTEGRA Square drain must respect the perimeter slot and the facing piece must measure 4" x 4"
- INTEGRA Linear shower drain must respect the lateral slots and the facing piece must measure 2 to 2 1/16" wide and be as long as the strainer body.

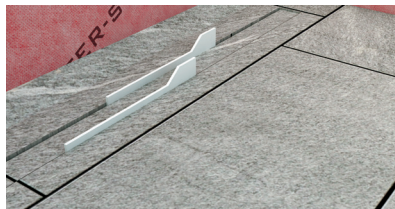
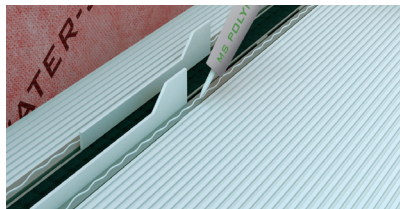
Place the cover frame in the shower channel and offer up, without bonding, the facing piece.

Insert the accessory spacers each side in the slots in the strainer body to ensure there is proper gap for drainage and to set the starting point for laying the flooring.

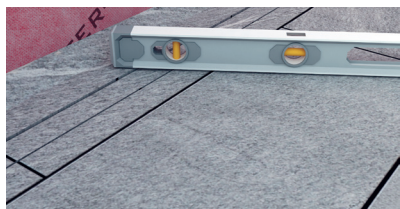


Apply a thin bead of polyurethane or MS sealant or similar sealant adhesive alongside the dripping edges and begin laying the flooring directly on the waterproofing membrane using modified thin-set mortar.

Apply modified thin-set mortar or polyurethane or MS sealant to the rough face of the cover frame and bond the facing material, ensuring it is centered using the spacers.



The drain cover must lay flush with the flooring, which is achieved by adjusting the depth of the adhesive. Finally, remove the spacers from the slots.





## MANUFACTURER WARRANTY


Subject to the conditions and limitations as stated in this document, GURU USA, L.L.C. warrants that GURU® Products will be free from manufacturing defects and will not rot, deteriorate or break down for a period of ten (10) years from the date of purchase when used and installed in accordance with the terms and conditions of the GURU® Product Data Sheets and industry standard guidelines.

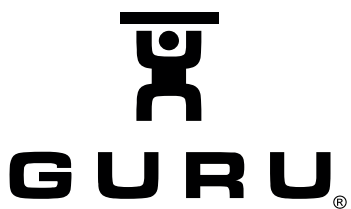
GURU USA, L.L.C. sole liability under this warranty shall be limited, at its election to: a) the replacement of the product or b) pay an amount not to exceed the original square foot cost of the installation for replacement of the portion of the installation that involves the defective product. This payment will include all; GURU® materials, non-reusable tile surfaces, and the appropriate setting and grouting materials. GURU USA, L.L.C. cannot guarantee or warrant an exact match to the specific tile, stone, or other flooring materials used in the installation.

GURU USA, L.L.C. makes no other warranties either expressed or implied. This warranty gives you specific legal rights, and you may have other rights that vary from state to state or from one country/territory to another.

This Warranty extends only to the original intended owner and user and is not transferable.

To make a claim, the owner must provide GURU USA, L.L.C. with written notice within 30 days of any alleged defect, together with date and proof of purchase of the products, proof of the costs of the original installation and name and address of all installers, failing which this Warranty shall be of no legal effect. GURU USA, L.L.C. reserves the right at its election to inspect the alleged failed and defective condition.

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<b>CERTIFICATE OF LISTING</b>		<b>CERTIFICATE OF LISTING</b>	
The most updated information on this certificate is located on our website at: <a href="http://www.iapmo.com">www.iapmo.com</a>		The most updated information on this certificate is located on our website at: <a href="http://www.iapmo.com">www.iapmo.com</a>	
Effective Date: October 2014		Effective Date: August 2017	
Product: CORK TILE/STONE MANSARD FOR TUBS AND SHOWER ENCLOSURES		Product: Lead Resistant, Beaded, Mansarded Membrane for Shower Enclosures and Shower Stalls	
Issued To: B&B, Inc. P.O. Box 14044, Dallas, Texas 75214, (214) 343-1000		Issued To: B&B, Inc. P.O. Box 14044, Dallas, Texas 75214, (214) 343-1000	
Classification: Cork tile/stone membrane shall be permanently tested with the manufacturer's name on the product. Product shall also bear the IAPMO certification mark.		Classification: Lead Resistant, Beaded, Mansarded Membrane for Shower Enclosures and Shower Stalls shall be permanently tested with the manufacturer's name on the product. Product shall also bear the IAPMO certification mark.	
Observation: Cork tile/stone membrane shall be tested in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code and the National Plumbing Code of Canada.		Observation: Lead Resistant, Beaded, Mansarded Membrane for Shower Enclosures and Shower Stalls shall be tested in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code and the National Plumbing Code of Canada.	
Product listed on this certificate has been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.		Product listed on this certificate has been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.	
Product was in compliance with the following standard(s): National Plumbing Code (NPC) National Plumbing Code of Canada		Product was in compliance with the following standard(s): National Plumbing Code (NPC) National Plumbing Code of Canada	
 David M. Harty IAPMO R&T		 David M. Harty IAPMO R&T	
			



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