GURU®
waterproofingproducts

PRODUCT GUIDE

AIKIT EVO SYSTEM

SHOWER DRAINS

CONTENT

DESCRIPTION

It is comprised of a low profile siphon, a connector which is factory-sealed to a section of WATER-STOP membrane to connect to the drain and a stainless steel grill and plastic body.

TECHNICAL AND PRACTICAL BENEFITS

Separate installation of the drain body and the waterproof membrane, which is easier and more practical.

Push-fit, flexible connections with elastic uncoupling: no gluing.

The floor gully is easy to adjust and align with the flooring because of the flexibility of the connections.

At the drain point, a minimum base thickness of 110 mm is required (including 3 to 25 mm tile thickness with adhesive).

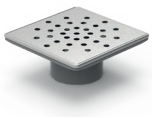
Dripping holes for secondary drainage with backflow preventer system.

The water seal can be eliminated.

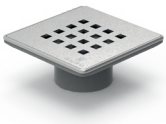
DRAIN

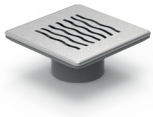
10.5 x 10.5 cm PVC drain extension for 4-way slope central draining.

AISI 304 stainless steel cover. The 10 x 10 cm grill fits in a 10.8 x 10.8 housing which is flush to the floor.



AIKIT EVO includes a 0.6 mm-thick die-stamped grill with satin finish and round holes pattern laser-cut.





AIKIT PLUS EVO has a 2.5 mm-thick grill with satin finish and square holes pattern laser-cut.

DESCRIPTION

The 10 x 10 cm grid in AISI 304 quality stainless steel is embedded in a frame.

WATERPROOFING

2 x 1,5 m² x 1.5 m section of WATER-STOP membrane with the connector centred widthways and 2/3 lengthways (66 cm from the nearest end).

DRAINAGE

Low profile trapped floor gully which complies to EN 1253, parts 1 and 2

Side outlet with DN/ID 50 connector. It can be angled through 360º

50 mm-high water seal (can be eliminated)

Reducer: DN 50/40

Push fit connections with O-rings and sliding joints; not gluing

Drain body and connector: ABS ; Reducer: PP; Joints: EPDM

Flow rate: 0.4 l/s minimum

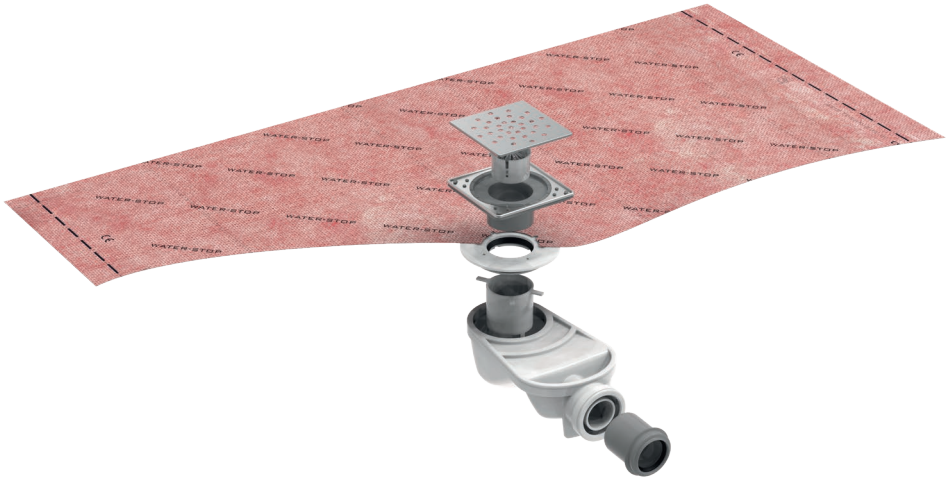
INSTALLATION AND MAINTENANCE ACCESSORIES

Template to mark the suitable screed level according to the tile thickness and protect the mouth.

2 sealing reinforcement for interior corners W-S DIN.

2 sealing reinforcement for shower inlet pipes W-S TUBO.

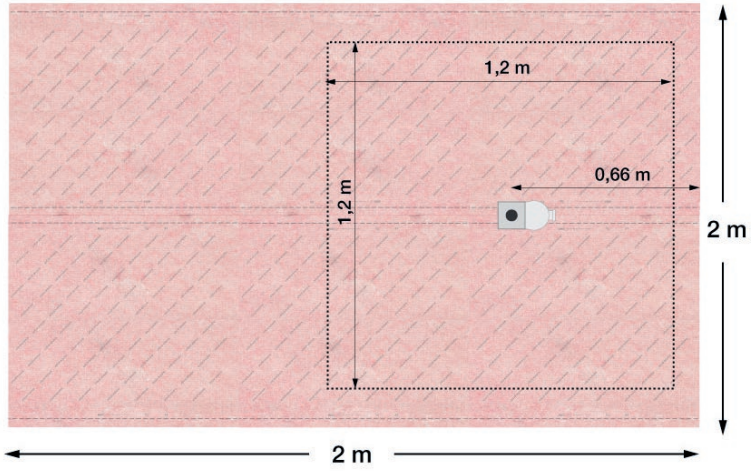
Hair trap.



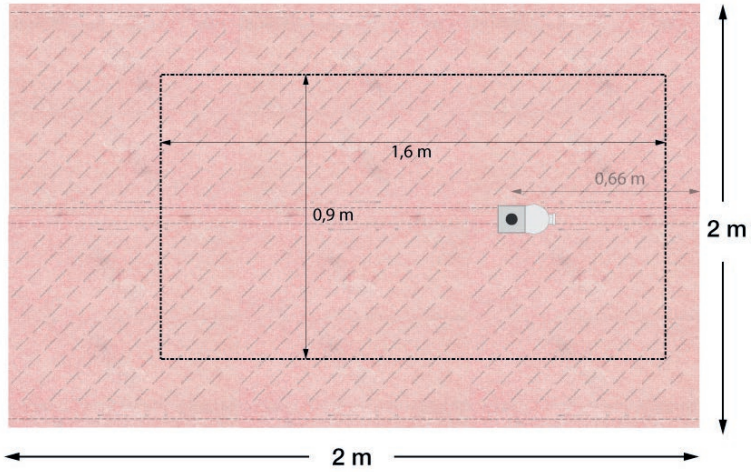
NEW FORMATS

- **MORE SHOWER CONFIGURATION OPTIONS**

SQUARE SHOWER



RECTANGULAR SHOWER



INSTALLATION

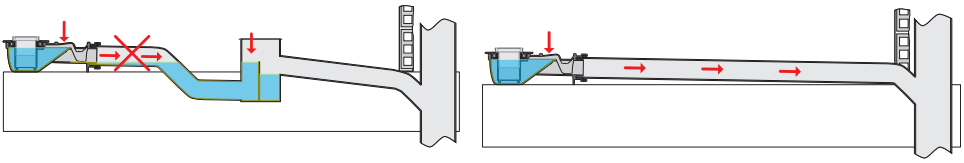
• INSTALLATION PROCEDURE FOR THE AIKIT EVO/ AIKIT PLUS

PREPARE THE SHOWER AREA

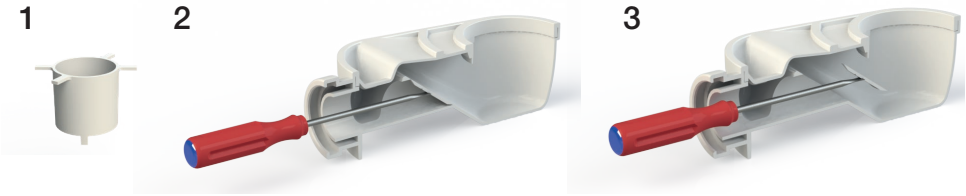
- Decide on the height or depth required to ensure at least 1.5 % gradient towards the drain. At the drain point, a minimum base thickness of 110 mm is required (including 3 to 25 mm tile thickness with adhesive).

Install the siphon body

Warning (only in the case that you want instal a drain without water seal): Before starting the installation it is very important to check if you need a trapped drain.



The system main body is designed as a trapped drain but the water seal can be left out to avoid the risk of clogging for double-trapping when installed with an external drum trap: just remove the tubular piece (1) and then open the bottom part of the outlet pipe (2). This is a section made with breaking line that can be easily broken using a screwdriver or similar (3).



You cannot remove the water seal after the installation nor replace it. It is advisable to keep the drain trapped and connect directly to the waste pipe without going through an external trap.

- Install the floor gully body and position the outlet to allow connection to the waste pipe.
- Check that the outlet has the necessary gradient (minimum 1.5 %) towards the waste pipe.
- Connect the floor gully outlet to the drain pipe. If needed use the reducer 50/40 supplied. Lubricate the joint with soapy water, introduce the drain pipe and slide up to the limit.

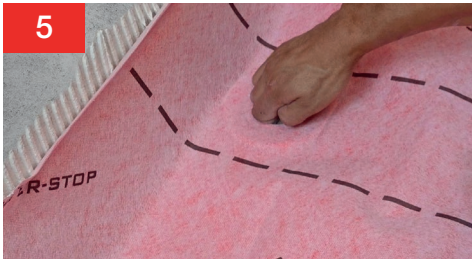
INSTALLATION

Make up the cement screed base

1. Cover the siphon body mouth with the installation template supplied. The template has 3 levels marked to show the height of the screed depending on the thickness of the flooring being installed in order to have a flush finish.

3. Apply thin-set and install the Water-Stop membrane. Once the cement base has set remove the protective cap.

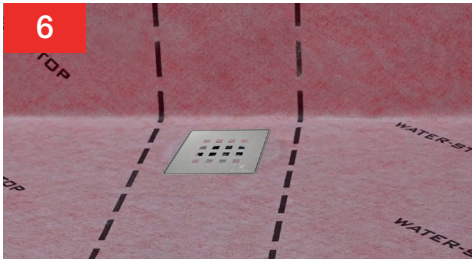
5. Connect the membrane by introducing the adapter into the floor gully and press down until it pushes home.



2. Pour cement up to the appropriate screed level and make the necessary slope depending on model and position of the drain.

4. Unroll and position the WATER-STOP membrane. Cut to size, remember to leave 10 cm on each side to seal wall and floor joints.

6. Apply a small amount of C2 class tile adhesive under the membrane in the hollow left by the template and bond the membrane by pressing to fit the shape. Fix the membrane with C2 tile adhesive to the cement base which must be clean and dry.



INSTALLATION

Position the shower drain

- Lay a piece of the flooring to set a reference height for the installation.
- Lubricate the shower drain outlet with soapy water and slide into the connector.
- Adjust the height, align and level according to floor thickness so that the upper edge of the frame is flush to the flooring.

Position the flooring

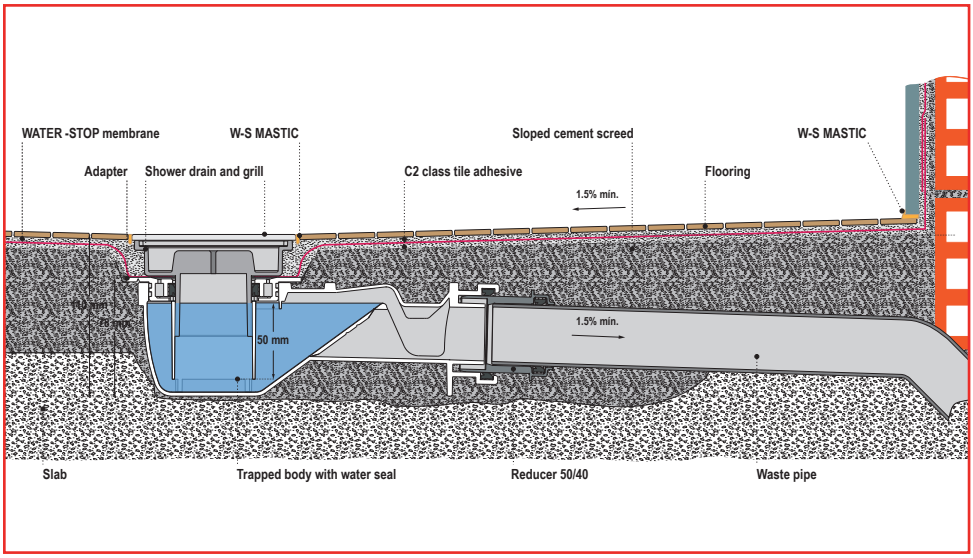
- Cement directly to the WATER-STOP membrane using C2 tile adhesive.
- Seal the joint between the housing and the flooring with W-S MASTIC or similar and position the shower grill.

Detail of **aikit plus evo**. Content according the model.

INSTALLATION

• INSTALLATION DIAGRAM

AIKIT EVO PLUS installation example with 4 mm flooring thickness



IMPORTANT: REMARKS AND RECOMMENDATIONS

The outlet pipe must have a gradient of at least 1.5% towards the drain (a 1.5 to 2 cm drop every metre). The length of this section must not exceed 1 metre.

The flooring must be flush with the grill so when installing the drain body, ensure that its height allows the flooring to be installed later.

The nominal flow rate at 3 bars of pressure for most domestic shower heads is between 9 and 20 litres/minute (between 0.15 and 0.35 l/s). Shower drains must have a minimum capacity of 0.40 l/s (24 litres/minute) for a single shower head. These values do not apply to multi-jet showers or where multiple showers are installed with a single drain.

The stated minimum installation height is the minimum possible for the floor gully dimensions. Each installation will require a real minimum height that allows the outlet pipe to have the required gradient towards the main drain, plus the thickness of flooring and adhesive.

RECOMMENDATIONS

TO ADAPT THE POSITION OF THE DRAIN

If the position of the drain needs to be moved, leading to an overlap of membrane on one side and a gap on the other, the membrane can be cut (always bearing in mind the minimum required 10 cm overlap at the wall) and stuck back to cover the gap, respecting the 5 to 10 cm overlap required for joints, and ensuring that the proud edge is facing downstream from the water flow.

TO COMPLETE THE WATERPROOF MEMBRANE

Bear in mind that to ensure complete waterproofing, the walls must be sealed as well as the floor, with the membrane installed to a height of 2 m.

As a minimum we recommend sealing the walls around the inlet and outlet plumbing by 10 cm above the height of the plumbing and down to the floor.

TO BOND OVERLAPS

In showers and small indoor surfaces which will not be at risk of flooding, C2 tile adhesive can be used. If water tightness is required, the overlaps can be sealed using a mastic sealant as W-S MASTIC or W-S BUTIL double-sided tape.

TO BOND WATER-STOP TO THE SURFACE

En on concrete, brick or render use C2 tile adhesive. For other surfaces such as plaster, old tiles and others, ensure the adhesive is appropriate for use with the base and follow the manufacturer's instructions.

TO BOND FLOORING MATERIAL TO WATER-STOP

On tiled floors use C2 tile adhesive. For other surfaces such as wood, textile, vinyl and others, uses an appropriate adhesive for the material and for use in wet conditions and follow the manufacturer's instructions.

PRODUCT DATA SHEET

AIKIT EVO/ PLUS /ONDE SYSTEM

Description: Trapped floor gully with factory-sealed integrated waterproofing comprising a section of WATER-STOP membrane.

Use: the construction of tiled showers for domestic or public use.

Normative References: UNE EN 1253-1:2015

Manufacturer: Estil Gurú S.L.U. **Factory code:** 966-J

CHARACTERISTICS	METHOD	REQUIREMENTS	VALUE
	UNE EN 1253-1	UNE EN 1253-1	
Flow rate	Article 5.9.1	Article 4.8 *1	>0,4 l/s *1
Depth of water seal	Article 5.3.1	Article 4.2.2	50 mm
Resistance of water seal to pressure	Article 5.3.2	Article 4.1.6	>400 Pa
Self-cleansing capacity	Article 5.4.2	Article 4.2.2	Pass
Blockage prevention	Article 5.4.3	Article 4.2.3	Pass
Thermal behaviour	Article 5.5	Article 4.5	Clase A
Watertightness for bodies	Article 5.8.2	Article 4.6.2	Pass
Watertightness for extensions	Article 5.8.2	Article 4.6.3	Pass
Odour-tightness	Article 5.8.1	Article 4.6.1	Pass
Watertightness of floor gully used with membrane (vacuum test)	Article 5.8.3	Article 4.7.3.4	Pass
Mechanical strength of the factory fixed membrane attachement	Article 5.7..3	Article 4.7.3.4	>100N
Resistencia a la carga	Article 5.6	Article 4.7.1	Clase K3
Apertures in gratings (dimensiones)	Article 5.1	Art. 4.1.3	<8mm
Appearance	-	Art. 4.1.2	Pass
Materials	-	Art. 4.4	Pass

SYSTEM COMPONENTS	COMPOSITION	DIMENSIONS	UNIT
Additional information of components			
AIKIT EVO grill	Acero inoxidable AISI 304	100 x 100 x 0,6	mm
AIKIT PLUS EVO grill		100 x 100 x 2	mm
Housing		108 x 108 x 0,6	mm
Drain extension	ABS	105 x 105 / DN/DE 50	mm
Coupling flange/connector		DN/DI 50	mm
Main drain body		Height 78	mm
Reducer	PP	DN 50/40	mm
Nominal size	--	Side Outlet connection DN/ID 50	
Waterproof membrane	WATER-STOP	2 x 1,5 = (3 m^2)	m
O rings / Sliding joints	SBR / NBR	-	

WARRANTY

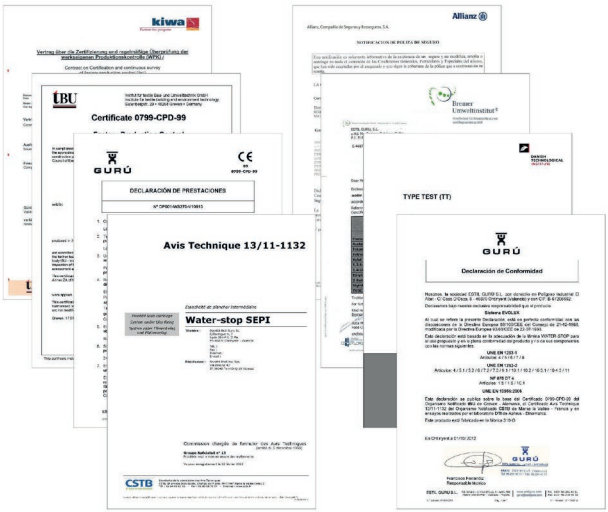
Estil Gurú, S.L.U. as manufacture of waterproofing systems, guarantees the quality and performance of its products.

The drain used in the Evo System complies with EN 1253 parts 1 and 2 as it relates to the Declaration of product compliance.

The WATER-STOP barrier used in the Evo System has EC compliance with EN 13956:2013 and has minimum VOC (Volatile Organic Compound) emission level.

The WATER-STOP barrier is appropriate for use in waterproofing floors where water drainage is installed and holds the technical approval Avis Téchnique nº 13/14-1258 issued by the French Notified Body CSTB.

Waterproofing systems using the WATER-STOP barrier are backed by a 10 year guarantee.



All accrediting documentation, certificates and declarations are available for download in the downloads section at www.estilguru.com or may be requested by e-mail from our customer service department at: customer.assistance@estilguru.com

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