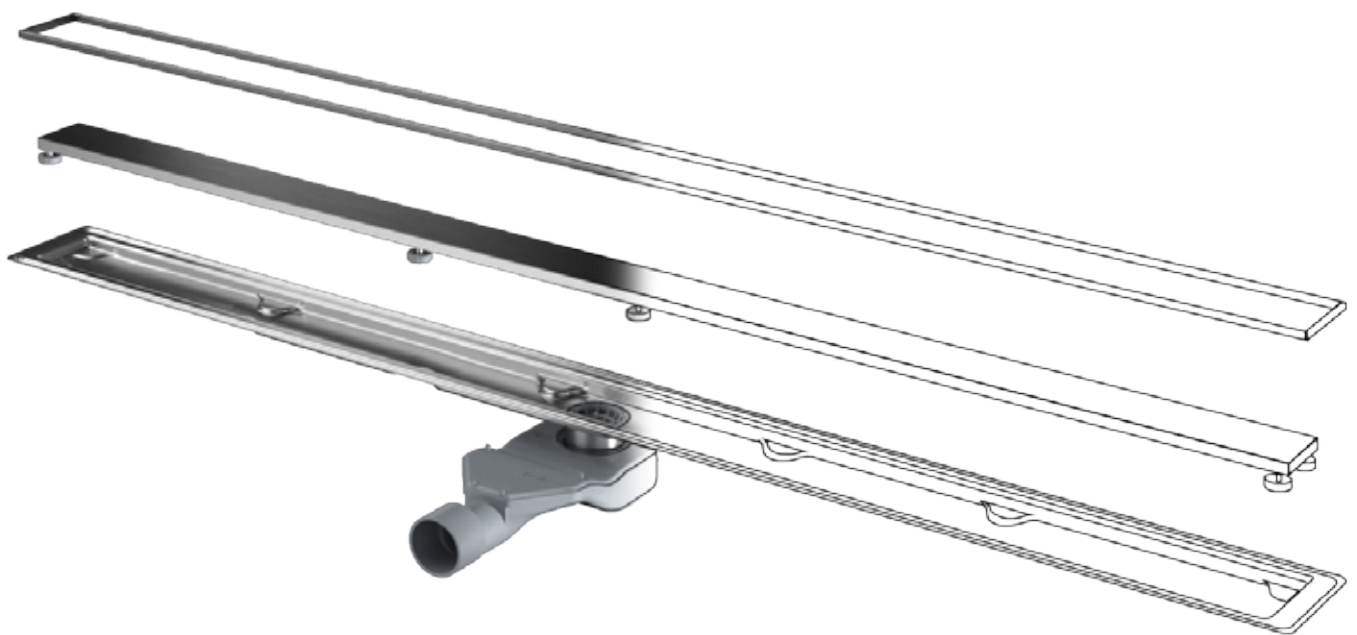




# manual

shower+tec<sup>®</sup>  
linear



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Showertec Linear is a range of linear drains, 100% made in Italy, that allow for the installation of flush floor showers without the limit of architectural barriers.

The channel body is made of three elements: Body (channel body), Cover (removable and adjustable grids), and Frame (optional).

The system meets high standards of technical and functional quality: the channel body is a single unit of AISI 316 Stainless Steel, without welding.

The true innovation of the Showertec Linear, is the wide range of aesthetic combinations, as Cover and Frame are kept as two separate elements.

The cover is available in different versions:

- "Invisible" fully tileable;
- "Tileable" with internal frame;
- "Metal" with visible cover in the finishes and materials available, among which stainless steel and ALU+ (high-strength aluminum suitable for use in the shower).

To complete the system, you'll find 2% pre-sloped shower trays range Showertec STL-TRAY, available in several sizes. Ready to be tiled.



Foiltec waterproof membrane pre-attached



Single unit of AISI 316 Stainless Steel + 4 cover finishes



ALU+ (high-strength aluminum) grids in 12 finishes.

Showertec Linear is available in three models and several lengths:

- **LOW:** installation height 56 mm (2 3/16"). This is a horizontal drain channel with a PVC hydrodynamic siphon, complying with UNI EN1253 standard;
- **STANDARD:** installation height 73 mm (2 7/8"). This is a horizontal drain channel with PVC hydrodynamic siphon, complying with UNI EN 1253 standard;
- **VERTICAL:** a vertical drain channel with 50.8 mm (2") diameter.

**3** FRAME



**2** COVER



**1** BODY

**STL - BL**

Channel body with LOW siphon.  
Installation height: 56 mm.



**STL - BS**

Channel body with STANDARD siphon.  
Installation height: 73 mm.



**STL - BV**

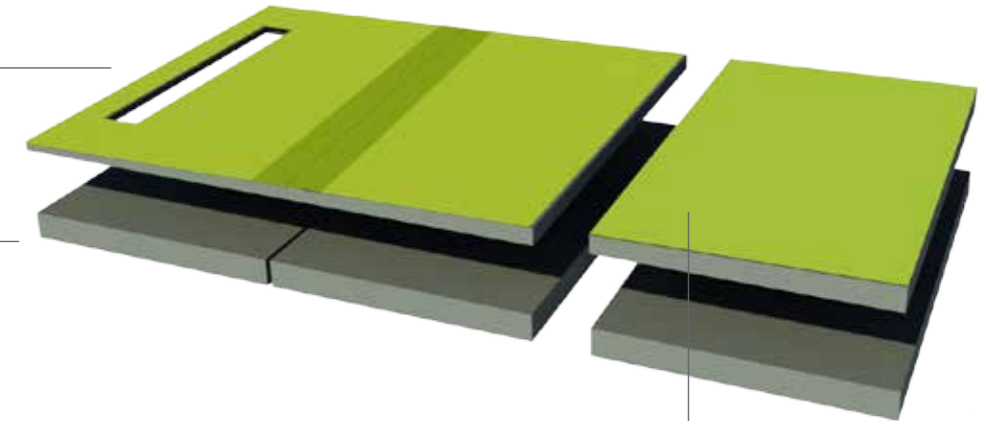
Channel body with vertical drain.



**4** Pre-sloped tray

**5** Riser

**6** Ramp



Extension **7**

**8** Foiltec waterproof membrane roll



**9** Foiltec sealing strip



Foiltec internal corner **10**



Foiltec external corner **11**

PRE-SLOPED TRAY & ACCESSORIES

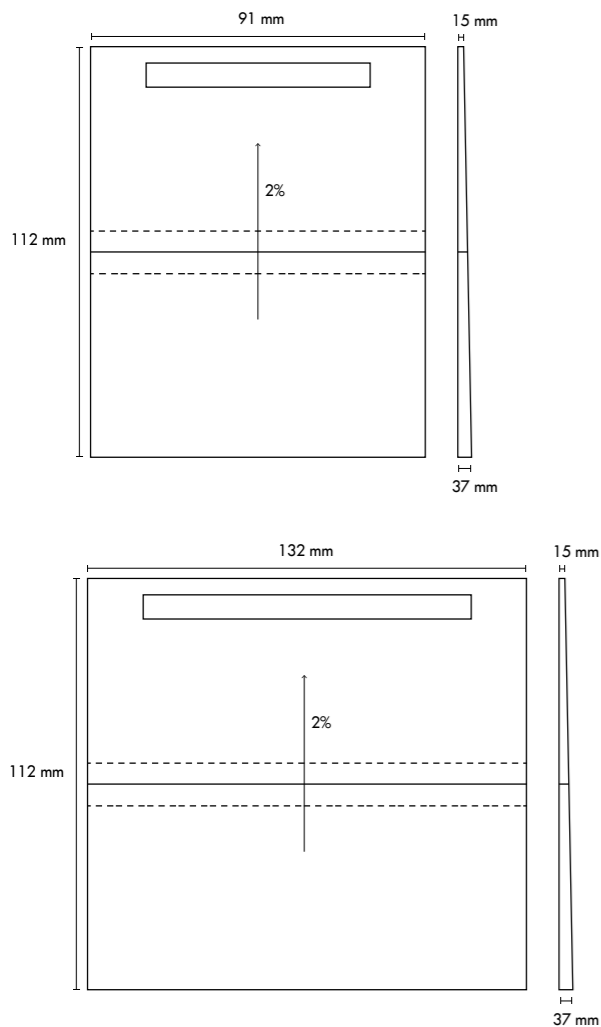
Showertec STL-TRAY is a range of pre-sloped shower trays compatible with Showertec linear STL BS and STL BV. They are made of high-strength waterproof materials (XPS extruded polystyrene).

They provide a solid bond between the thin-set and the tile, thanks to their honeycomb surface finish and the incorporated reinforcement grid.

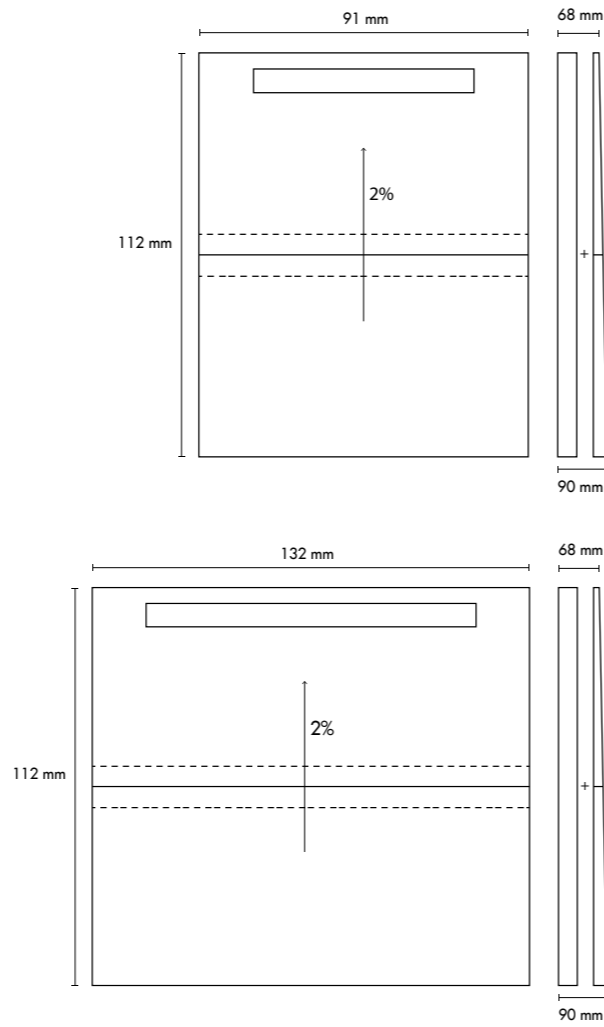
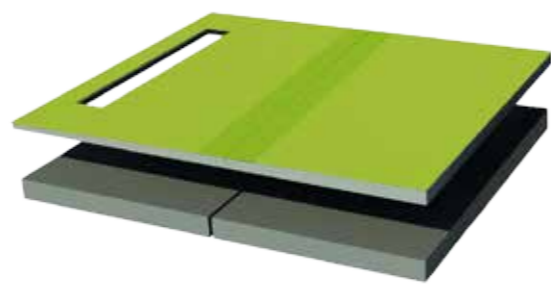
According to the structural requirements, a raised panel is available to speed up installation.

The shower trays already have a hole for the positioning of the Showertec Linear channel of length 600, the tracks are already present to cut the hole in order to adapt it to the larger channel sizes.

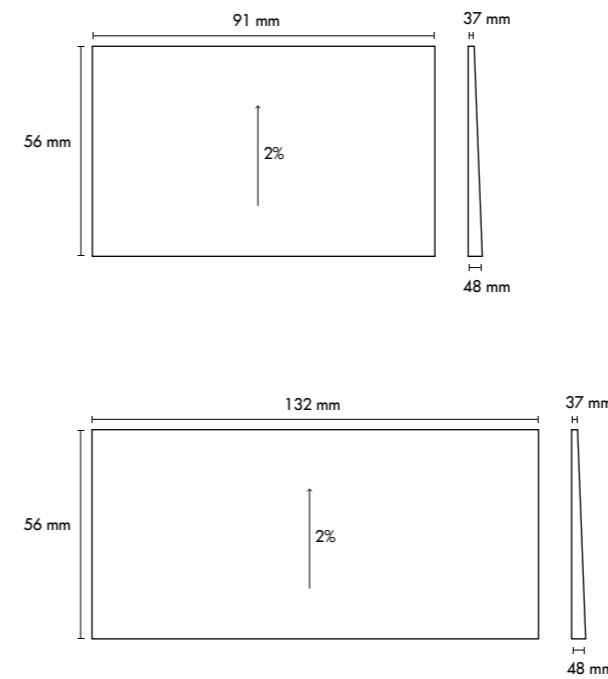
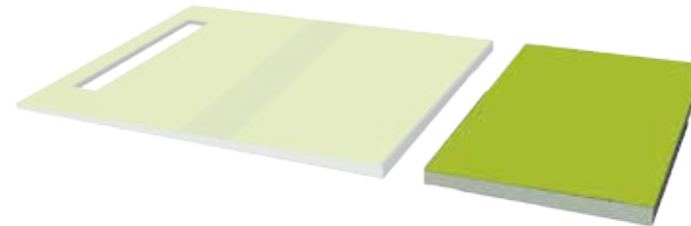
Pre-sloped tray



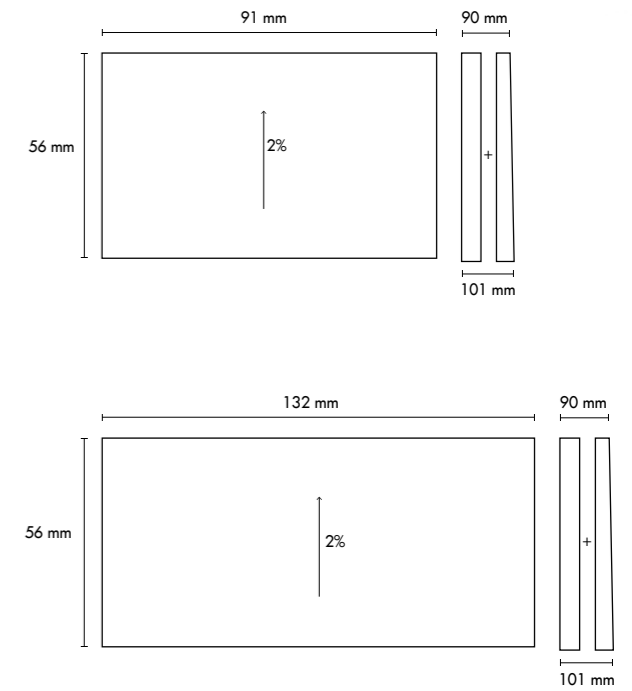
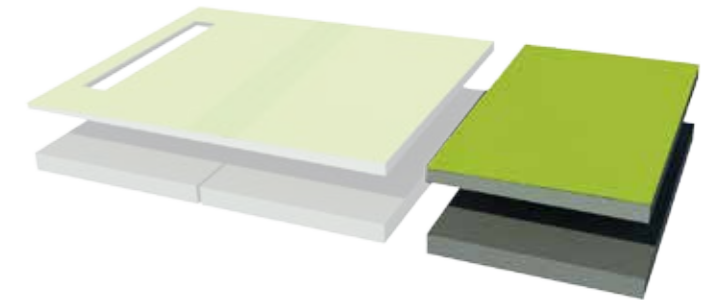
Pre-sloped tray with riser panel



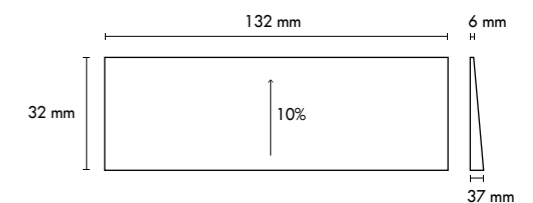
Extension



Extension with riser



Ramp



Showertec STL-EXTENSION and STL - RAMP are additional accessories for STL - TRAY pre-sloped shower trays. Extensions widen the shower area if the space is not enough.

The ramp is recommended during renovations, when the shower cannot be kept flush with the floor.

## FOILTEC MEMBRANE

Waterproofing membrane in polyethylene composite, mainly installed in high-humidity areas together with the tiled covering and using a suitable adhesive for tiles. The membrane, in a soft and highly elastic material, compensates for small movements that may occur between the support and the coating, preventing the transmission of harmful substances by bacteria. The Foiltec membrane has a complete range of accessories adapting to different needs, contributing to a "state-of-the-art" installation.



### Mechanical and physical characteristics of Foiltec membrane roll

CHARACTERISTICS	TEST	UNIT	VALUE
Watertightness	EN 1928	-	Pass
Tensile properties (MD / CMD)* <sup>1</sup> :			
- Tensile strength (MD / CMD)	EN 12311-2 (A)	N/50 mm	≥ 200/≥ 200
- Elongation (MD / CMD)	EN 12311-2 (A)	%	≥ 20/≥ 10
Root penetration resistance	-	-	PND
Static load resistance	EN 12730 (B)	kg	≥ 20
Impact resistance	EN 12691 (A)	mm	≥ 500
Pull out test	EN 1348	N/mm <sup>2</sup>	0.4
Joint resistance:			
- Joint peel resistance	EN 12316-2	N/50 mm	PND
- Joint shear resistance	EN 12317-2	N/50 mm	≥ 230
Foldability at low temperatures	EN 495-5	°C	- 20
Exposure to UV rays	EN 1927	-	PND
<b>Water vapor transmission</b>	<b>ASTM E96-13A</b>	<b>perms</b>	<b>0.405</b>
	<b>ASTM E96-15E</b>	<b>perms</b>	<b>0.033</b>
Robinson Wheel	ASTM C627	-	Pass (Heavy Commercial Rating)
Test: Ignitability	DIN 4102	-	B2
Water resistance - water column	EN 1928	bar/24h	1.5

\*<sup>1</sup>Test Method: MD - Machine Direction / CMD - Cross Machine Direction.

## BODY

Article	Length (mm)	Description	Pc
STL-BL 600	600	Low height horizontal drain channel	1
STL-BL 700	700	Low height horizontal drain channel	1
STL-BL 800	800	Low height horizontal drain channel	1
STL-BL 900	900	Low height horizontal drain channel	1
STL-BL 1000	1000	Low height horizontal drain channel	1
STL-BL 1200	1200	Low height horizontal drain channel	1
Article	Length (mm)	Description	Pc
STL-BS 600	600	Standard height horizontal drain channel	1
STL-BS 700	700	Standard height horizontal drain channel	1
STL-BS 800	800	Standard height horizontal drain channel	1
STL-BS 900	900	Standard height horizontal drain channel	1
STL-BS 1000	1000	Standard height horizontal drain channel	1
STL-BS 1200	1200	Standard height horizontal drain channel	1
Article	Length (mm)	Description	Pc
STL-BV 600	600	Vertical drain channel	1
STL-BV 700	700	Vertical drain channel	1
STL-BV 800	800	Vertical drain channel	1
STL-BV 900	900	Vertical drain channel	1
STL-BV 1000	1000	Vertical drain channel	1
STL-BV 1200	1200	Vertical drain channel	1

## TRAY

Article	Length (mm)	Description	Pc
STL-TRAY91/112	910 x 1120	Fiber-reinforced cementitious bonding surface	1
STL-TRAY132/112	1320 x 1120	Fiber-reinforced cementitious bonding surface	1
Article	Length (mm)	Description	Pc
STL-TRAY91/112R	910 x 1120	Waterproof shower tray with raised panel	1
STL-TRAY132/112R	1320 x 1120	Waterproof shower tray with raised panel	1

## EXTENSION

Article	Length (mm)	Description	Pc
STL-EXT91/56	910 x 560	Pre-sloped Waterproof Extension for Trays	1
STL-EXT132/56	1320 x 560	Pre-sloped Waterproof Extension for Trays	1
Article	Length (mm)	Description	Pc
STL-EXT91/56R	910 x 560	Extension with Raised panel	1
STL-EXT132/56R	1320 x 560	Extension with Raised panel	1

## RAMP

Article	Length (mm)	Description	Pc
STL-RAMP132/30	1320 x 300	Pre-sloped Ramp for Trays	1

COVER




STAINLESS STEEL AISI 316

Article	Length (mm)	Description	Pc.
STL-C 600 *	600	Cover in Stainless Steel AISI 316 - *ILM/*ISM/*IXM/*IC	1
STL-C 700 *	700	Cover in Stainless Steel AISI 316 - *ILM/*ISM/*IXM/*IC	1
STL-C 800 *	800	Cover in Stainless Steel AISI 316 - *ILM/*ISM/*IXM/*IC	1
STL-C 900 *	900	Cover in Stainless Steel AISI 316 - *ILM/*ISM/*IXM/*IC	1
STL-C 1000 *	1000	Cover in Stainless Steel AISI 316 - *ILM/*ISM/*IXM/*IC	1
STL-C 1200 *	1200	Cover in Stainless Steel AISI 316 - *ILM/*ISM/*IXM/*IC	1

Available finishes: \*ILM = Polished / \*ISM = Brushed / \*IXM = Sanded / \*IC = Chrome

ANODIZED ALUMINUM ALU+

Article	Length (mm)	Description	Pc.
STL-C 600 *	600	Cover in ALU+ - *AT/*AR/*AO	1
STL-C 700 *	700	Cover in ALU+ - *AT/*AR/*AO	1
STL-C 800 *	800	Cover in ALU+ - *AT/*AR/*AO	1
STL-C 900 *	900	Cover in ALU+ - *AT/*AR/*AO	1
STL-C 1000 *	1000	Cover in ALU+ - *AT/*AR/*AO	1
STL-C 1200 *	1200	Cover in ALU+ - *AT/*AR/*AO	1

Finishes: \*AT = Titan  / \*AR = Copper  / \*AO = Gold 


BRIGHT POLISHED BRUSHED ALUMINUM ALU+

Article	Length (mm)	Description	Pc.
STL-C 600 *	600	Cover in bright polished brushed ALU+ - *ASSB/*ATSB/*ARSB/*AOSB	1
STL-C 700 *	700	Cover in bright polished brushed ALU+ - *ASSB/*ATSB/*ARSB/*AOSB	1
STL-C 800 *	800	Cover in bright polished brushed ALU+ - *ASSB/*ATSB/*ARSB/*AOSB	1
STL-C 900 *	900	Cover in bright polished brushed ALU+ - *ASSB/*ATSB/*ARSB/*AOSB	1
STL-C 1000 *	1000	Cover in bright polished brushed ALU+ - *ASSB/*ATSB/*ARSB/*AOSB	1
STL-C 1200 *	1200	Cover in bright polished brushed ALU+ - *ASSB/*ATSB/*ARSB/*AOSB	1

Finishes: \*ASSB = Chrome  / \*ATSB = Titan  / \*ARSB = Copper  / \*AOSB = Gold 

BRIGHT POLISHED ALUMINUM ALU+

Article	Length (mm)	Description	Pc.
STL-C 600 *	600	Cover in bright polished ALU+ - *AORB	1
STL-C 700 *	700	Cover in bright polished ALU+ - *AORB	1
STL-C 800 *	800	Cover in bright polished ALU+ - *AORB	1
STL-C 900 *	900	Cover in bright polished ALU+ - *AORB	1
STL-C 1000 *	1000	Cover in bright polished ALU+ - *AORB	1
STL-C 1200 *	1200	Cover in bright polished ALU+ - *AORB	1

Finishes: \*AORB = Pink Gold 

BRUSHED ALUMINUM ALU+

Article	Length (mm)	Description	Pc.
STL-C 600 *	600	Cover in brushed ALU+ - *AGRS/*AMSB	1
STL-C 700 *	700	Cover in brushed ALU+ - *AGRS/*AMSB	1
STL-C 800 *	800	Cover in brushed ALU+ - *AGRS/*AMSB	1
STL-C 900 *	900	Cover in brushed ALU+ - *AGRS/*AMSB	1
STL-C 1000 *	1000	Cover in brushed ALU+ - *AGRS/*AMSB	1
STL-C 1200 *	1200	Cover in brushed ALU+ - *AGRS/*AMSB	1

Finishes: \*AGRS = Graphite  / \*AMSB = Antique Bronze 

POWDER COATED ALUMINUM ALU+

Article	Length (mm)	Description	Pc.
STL-C 600 *	600	Cover in powder coated ALU+ - *AM11/*A65	1
STL-C 700 *	700	Cover in powder coated ALU+ - *AM11/*A65	1
STL-C 800 *	800	Cover in powder coated ALU+ - *AM11/*A65	1
STL-C 900 *	900	Cover in powder coated ALU+ - *AM11/*A65	1
STL-C 1000 *	1000	Cover in powder coated ALU+ - *AM11/*A65	1
STL-C 1200 *	1200	Cover in powder coated ALU+ - *AM11/*A65	1

Finishes: \*AM11 = Matt White  / \*A65 = Embossed Matt Black 

COVER INVISIBLE

Article	Length (mm)	Description	Pc.
STL-CT 600	600	Fully tileable seamless Cover	1
STL-CT 700	700	Fully tileable seamless Cover	1
STL-CT 800	800	Fully tileable seamless Cover	1
STL-CT 900	900	Fully tileable seamless Cover	1
STL-CT 1000	1000	Fully tileable seamless Cover	1
STL-CT 1200	1200	Fully tileable seamless Cover	1

COVER TILEABLE

Article	Length (mm)	Description	Pc.
STL-CTF 600	600	Tileable cover with internal frame in Stainless Steel AISI 316	1
STL-CTF 700	700	Tileable cover with internal frame in Stainless Steel AISI 316	1
STL-CTF 800	800	Tileable cover with internal frame in Stainless Steel AISI 316	1
STL-CTF 900	900	Tileable cover with internal frame in Stainless Steel AISI 316	1
STL-CTF 1000	1000	Tileable cover with internal frame in Stainless Steel AISI 316	1
STL-CTF 1200	1200	Tileable cover with internal frame in Stainless Steel AISI 316	1

FRAME

STAINLESS STEEL AISI 316

Article	Length (mm)	Description	Pc.
STL-F 600	614	Frame in Stainless Steel AISI 316 - Polished	1
STL-F 700	714	Frame in Stainless Steel AISI 316 - Polished	1
STL-F 800	814	Frame in Stainless Steel AISI 316 - Polished	1
STL-F 900	914	Frame in Stainless Steel AISI 316 - Polished	1
STL-F 1000	1014	Frame in Stainless Steel AISI 316 - Polished	1
STL-F 1200	1214	Frame in Stainless Steel AISI 316 - Polished	1

ANODIZED ALUMINUM ALU+

Article	Length (mm)	Description	Pc.
STL-F 600 *	614	Frame in Anodized Aluminum ALU+ - *AT/*AR/*AO	1
STL-F 700 *	714	Frame in Anodized Aluminum ALU+ - *AT/*AR/*AO	1
STL-F 800 *	814	Frame in Anodized Aluminum ALU+ - *AT/*AR/*AO	1
STL-F 900 *	914	Frame in Anodized Aluminum ALU+ - *AT/*AR/*AO	1
STL-F 1000 *	1014	Frame in Anodized Aluminum ALU+ - *AT/*AR/*AO	1
STL-F 1200 *	1214	Frame in Anodized Aluminum ALU+ - *AT/*AR/*AO	1

Finishes: \*AT = Titanium  / \*AR = Copper  / \*AO = Gold 

BRIGHT POLISHED BRUSHED ALUMINUM ALU+

Article	Length (mm)	Description	Pc.
STL-F 600 *	614	Frame in bright polished brushed ALU+ - *ASSB/*ATSB/*ARSB/*AOSB	1
STL-F 700 *	714	Frame in bright polished brushed ALU+ - *ASSB/*ATSB/*ARSB/*AOSB	1
STL-F 800 *	814	Frame in bright polished brushed ALU+ - *ASSB/*ATSB/*ARSB/*AOSB	1
STL-F 900 *	914	Frame in bright polished brushed ALU+ - *ASSB/*ATSB/*ARSB/*AOSB	1
STL-F 1000 *	1014	Frame in bright polished brushed ALU+ - *ASSB/*ATSB/*ARSB/*AOSB	1
STL-F 1200 *	1214	Frame in bright polished brushed ALU+ - *ASSB/*ATSB/*ARSB/*AOSB	1

Finishes: \*ASSB = Chrome  / \*ATSB = Titanium  / \*ARSB = Copper  / \*AOSB = Gold 

BRIGHT POLISHED ALUMINUM ALU+

Article	Length (mm)	Description	Pc.
STL-F 600 *	614	Frame in bright polished ALU+ - *AORB	1
STL-F 700 *	714	Frame in bright polished ALU+ - *AORB	1
STL-F 800 *	814	Frame in bright polished ALU+ - *AORB	1
STL-F 900 *	914	Frame in bright polished ALU+ - *AORB	1
STL-F 1000 *	1014	Frame in bright polished ALU+ - *AORB	1
STL-F 1200 *	1214	Frame in bright polished ALU+ - *AORB	1

Finishes: \*AORB = Pink Gold 

BRUSHED ALUMINUM ALU+

Article	Length (mm)	Description	Pc.
STL-F 600 *	614	Frame in brushed ALU+ - *AGRS/*AMSB	1
STL-F 700 *	714	Frame in brushed ALU+ - *AGRS/*AMSB	1
STL-F 800 *	814	Frame in brushed ALU+ - *AGRS/*AMSB	1
STL-F 900 *	914	Frame in brushed ALU+ - *AGRS/*AMSB	1
STL-F 1000 *	1014	Frame in brushed ALU+ - *AGRS/*AMSB	1
STL-F 1200 *	1214	Frame in brushed ALU+ - *AGRS/*AMSB	1

Finishes: \*AGRS = Graphite  / \*AMSB = Antique Bronze 

POWDER COATED ALUMINUM ALU+

Article	Length (mm)	Description	Pc.
STL-F 600 *	614	Frame in powder coated ALU+ - *AM11/*A65	1
STL-F 700 *	714	Frame in powder coated ALU+ - *AM11/*A65	1
STL-F 800 *	814	Frame in powder coated ALU+ - *AM11/*A65	1
STL-F 900 *	914	Frame in powder coated ALU+ - *AM11/*A65	1
STL-F 1000 *	1014	Frame in powder coated ALU+ - *AM11/*A65	1
STL-F 1200 *	1214	Frame in powder coated ALU+ - *AM11/*A65	1

Finishes: \*AM11 = Matt White  / \*A65 = Embossed Matt Black 

STAINLESS STEEL AISI 316

Article	Length (mm)	Description	Pc.
STL-FW 600 ILM	614	Flush wall frame in Stainless Steel AISI 316 - Polished	1
STL-FW 700 ILM	714	Flush wall frame in Stainless Steel AISI 316 - Polished	1
STL-FW 800 ILM	814	Flush wall frame in Stainless Steel AISI 316 - Polished	1
STL-FW 900 ILM	914	Flush wall frame in Stainless Steel AISI 316 - Polished	1
STL-FW 1000 ILM	1014	Flush wall frame in Stainless Steel AISI 316 - Polished	1
STL-FW 1200 ILM	1214	Flush wall frame in Stainless Steel AISI 316 - Polished	1

SPARE PARTS

Article	Description	Pc.
STLSPARE0001	Height adjustable pedestals for STL - BL/BS/BV 600 - 700 - 800	8
STLSPARE0002	Height adjustable pedestals for STL - BL/BS/BV 900 - 1000 - 1200	12
STLSPARE0003	Cleaning kit (Cover extraction key + Hair trap + Brush)	1
STLSPARE0004	STLSIF - Syphon + Metal bridge	1
STLSPARE0005	XSTLSICI - Frame supports in stainless steel	12
STLSPARE0006	XSTLSICA - Frame supports in aluminum	12

## WARNINGS AND RECOMMENDATIONS FOR THE INSTALLER

### Preliminary operations

1. Check that the material is intact before proceeding with the installation.
2. Make sure that the end user has the **use and maintenance manual**.
3. Verify the completeness of the content, as follows:

#### BODY

- Channel body with construction plug positioned;
- Membrane pre-attached to the channel body;
- Siphon (for STL-BS and STL-BL versions);
- Metal bridge (for STL-BL versions);
- n° 2 EPS supports;
- Hair trap;
- Cover remover key;
- Siphon cleaning brush (STL-BS and STL-BL versions);
- Instruction, use and maintenance manuals.

#### COVER

- Cover;
- n° 3 bags with a set of pedestals for adjusting the cover (Metal version);
- Instruction.

#### FRAME

- n° 2 metal strips corresponding to the length of the chosen linear drain;
- n° 2 metal strips corresponding to the width of the linear drain;
- Frame support angles (the number of angles varies according to the length of the linear drain);
- Instruction.

### Installation tips

4. The correct functioning of the product is guaranteed only if the installation steps illustrated in this technical manual are followed and the materials described by specialized and competent personnel are used.
5. Avoid any contact of abrasive objects or substances.
6. Never grab the linear drain by the pre-attached membrane.
7. Place the cover on a soft, clean cloth to attach the pedestals.
8. For the installation of the Invisible Cover, it is recommended to bevel the tile before installation.
9. For the cleaning phases during installation, it is recommended not to use excessively alkaline products. Rinse with water. Use a soft cloth or non-abrasive sponge.

### Product conditions

10. Keep the material closed in the original packaging.
11. The material is supplied in cardboard boxes which must be stored in a dry and not exposed to bad weather environment.
12. Use products in compliance and if damaged, replace them. If in doubt, contact the Profilitec customer service.
13. Deliver, store and manage the products in accordance with the instructions indicated above.



## USE AND MAINTENANCE FOR THE USER

- It is recommended to dispose of the packaging according to the regulations in force.



- All the removable components of the Showertec Linear system (cover, hair trap, key, brush and various components) must be used exclusively for the purpose indicated in this technical manual; components other than those supplied by Profilitec must not be used.
- Before placing the cover, make sure that the height adjustable pedestals are properly aligned. To do this, place the cover on a flat surface and check the secure support of all the feet.
- Always use the product with well positioned cover and hair trap. After each cleaning operation, be sure to reposition them correctly.
- To remove the cover use the key given in the kit.
- After each use, clean the hair trap and drain.
- For the STL-BL and STL-BS versions, clean the siphon once a week, using the flexible brush supplied. Push the brush inside the siphon for at least 15 cm.
- Do not use excessively alkaline products to clean all parts of Showertec Linear. Rinse with water.
- Use a soft cleaning cloth or a non-abrasive sponge.
- Periodically, rinse the draining holes positioned on the cover support.

#### Liability disclaimer:

It is recommended to scrupulously respect the assembly instructions of the Showertec Linear product family and to entrust the assembly to qualified personnel. Profilitec declines any responsibility for damages of any nature if the assembly of the Showertec Linear product is not carried out in full compliance with the instructions provided in this Showertec Linear Manual. The customer acknowledges and accepts that Profilitec has not carried out any structural calculation or any on-site inspection or any evaluation regarding the project that the customer intends to carry out, since the aforementioned activities are not within the competence of Profilitec. It will therefore be the customer's responsibility to design the shower assembly using qualified professionals. Profilitec declines any responsibility for damages of any nature resulting from errors in the design of the shower assembly and the wrong installation and / or work that the customer intends to carry out with the use of the Showertec Linear product.



PRELIMINARY OPERATIONS



Waterproofing the walls: before doing so make sure they are flat, clean, and smooth.



Spread C2-S1 cement-based adhesive, with a notched trowel (5x5 mm), on the relevant walls. Make sure to remove any air bubble that may form during the application of Foiltec using a rubber trowel.



Spread a layer of tile adhesive with a notched trowel around the pipe connections. Then, install the T20 Foiltec junction to waterproof the area around the connections.



Determine the installation height you want to achieve by considering the height of the channel and the cover, the tile adhesive and the thickness of the flooring.

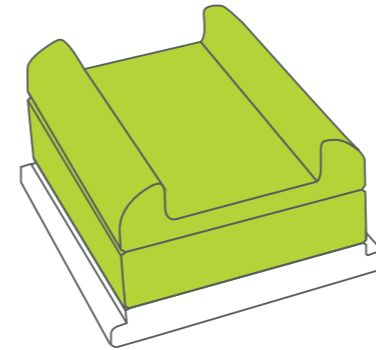


Open the package and check the contents. Read the assembly instructions carefully and keep them.

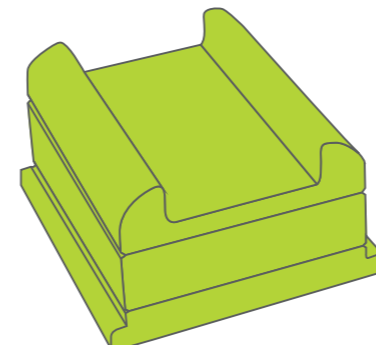


You do not need to glue the drain pipe of the channel to the siphon, because the connector provides a sufficient hold, but BE CAREFUL not to pinch the siphon's gasket when interlocking to avoid small water leaks.

USE OF EPS BLOCKS  
(not to be used with the tray shower tray)



For installations with heights up to 56 mm, remove the first layer of the bottom of the EPS supports, following the pre-cuts.

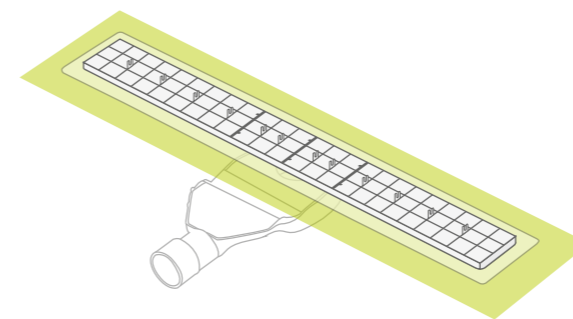


For installations with heights up to 73 mm do not break any layers.

Note: always assess the necessary installation height before removing the EPS supports.

For all versions

Construction plug



Keep the construction plug attached to the channel during the whole installation.

Key for extracting the cover



Accessory in AISI 304 stainless steel for removing the Cover during cleaning and maintenance operations.

## INSTALLATION WITH TRADITIONAL SCREED

### Versions with siphon

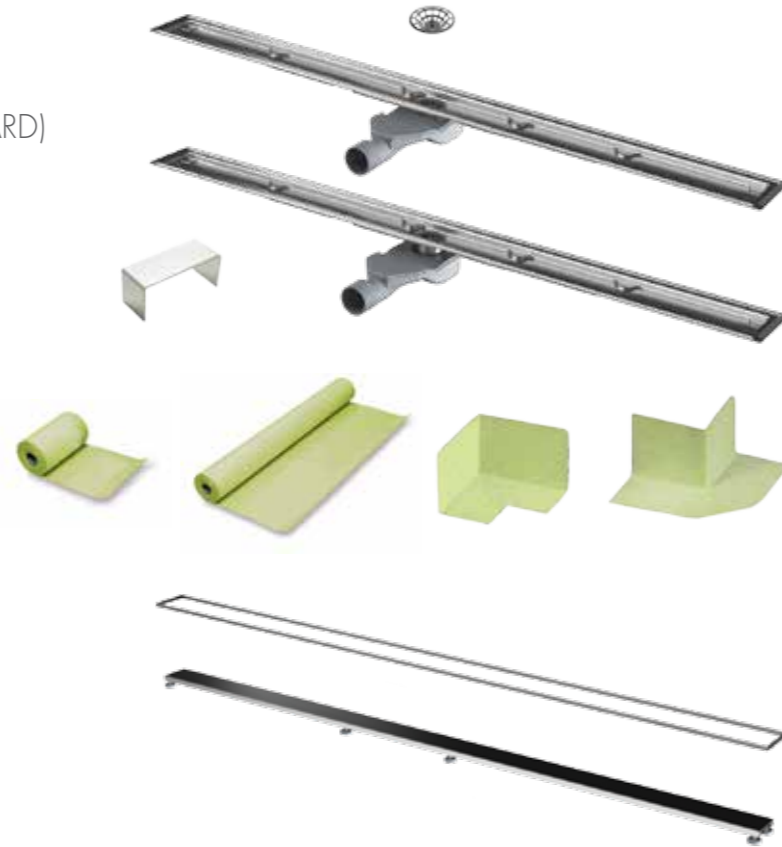
#### Components:

Channel body STL - BL (LOW) or BS (STANDARD)  
(according to the installation)

Metal bridge

Foiltec membrane and accessories  
(according to the installation)

Cover (grid) and Frame (optional frame)



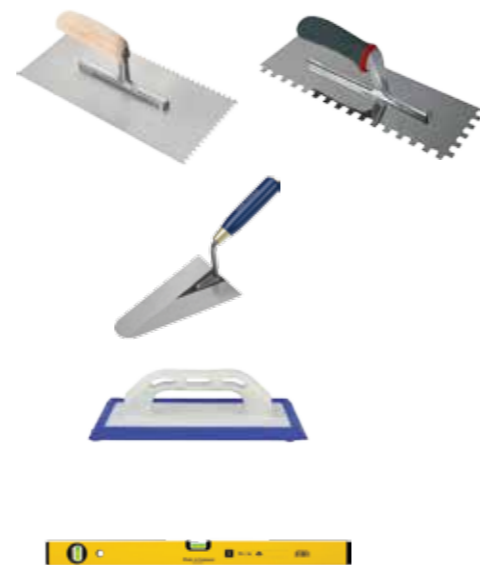
#### Tools:

Notched trowels 5 x 5 mm and 10 x 10 mm

Trowel

Flat or rubber trowel

Leveler



Keep the Foiltec pre-attached membrane folded around the channel body.

#### Substrate



Check that the substrate is clean and flat.



If necessary, adjust the length of the pipe of the existing drain.

#### Channel body installation



Connect the siphon to the plumbing system. The siphon may be oriented 30° to the right and 30° to the left for the BL version and 360° for the BS version.



Check that the siphon is supported and leveled.



Glue the channel to the EPS supports.



Adjust the supports so that the channel is leveled, and so that it is properly spaced from the walls.



Check that the drains have enough slope and test the correct sealing and flow of water.



Attach the EPS supports to the substrate to prevent the channel from moving during the screed construction.

Keep the Foiltec pre-attached membrane folded around the channel body.

Traditional screed



If the project manager deems it appropriate, the channel may be grounded. It has a small perforated tab, that can be bent downwards to connect the grounding.



Make the screed by filling also the spaces underneath the channel, until reaching the drain flange.



Lay the screed under the siphon.  
Place the metal bridge in the area between the 4 notches.



Continue laying the screed with a minimum slope of 1-2% so that the water flows towards the channel.



Immediately after laying the screed, make sure that the channel is still in its initial position and has not moved accidentally.



Wait until the screed dries before waterproofing.

For a technically perfect installation we recommend using the Floortec membrane, too.



Find out more on the Floortec membrane. Scan the QR code.

## INSTALLATION WITH TRADITIONAL SCREED

For the version with center outlet

### Components:

Channel body STL - BV



Foiltec membrane and accessories (according to the installation)

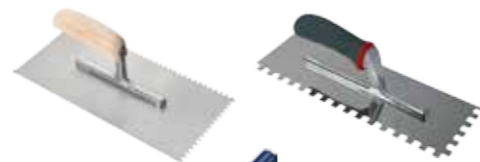


Cover (grid) and Frame (optional frame)



### Tools:

Notched trowels 5 x 5 mm and 10 x 10 mm



Trowel



Flat or rubber trowel



Leveler



Keep the Foiltec pre-attached membrane folded around the channel body.

### Substrate



Check that the substrate is clean and flat.

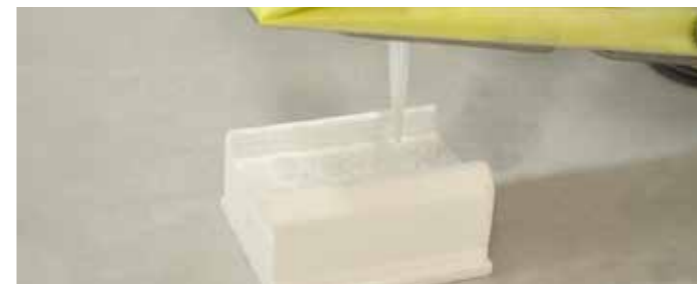


Choose the location of the channel and, if not available yet, make a hole on the floor with a 50.8 mm diameter.



Check the height of the finished floor, considering waterproofing, tile thickness, glue, slope and the distance from the edges of the shower area and from the drains.

### Channel body installation



Glue the channel to the EPS supports.



Adjust the supports so that the channel is leveled, and so that it is properly spaced from the walls.



Glue the EPS supports to the substrate to prevent the channel from moving during the screed construction.



Check for proper sealing and water flow.

Keep the Foiltec pre-attached membrane folded around the channel body.

Traditional screed



Prepare the piping connection.



If the project manager deems it appropriate, the channel may be grounded. It has a small perforated tab, that can be bent downwards to connect the grounding.



Make the screed by filling also the spaces underneath the channel, until reaching the drain flange.



Continue laying the screed with a minimum slope of 1-2% so that the water flows towards the channel.



Immediately after laying the screed, make sure that the channel is still in its initial position and has not moved accidentally.



Wait until the screed dries before waterproofing.

For a technically perfect installation we recommend using the Floortec membrane, too.



Find out more on the Floortec membrane. Scan the QR code.

## PRE-SLOPED TRAY INSTALLATION

For the STL - BS version

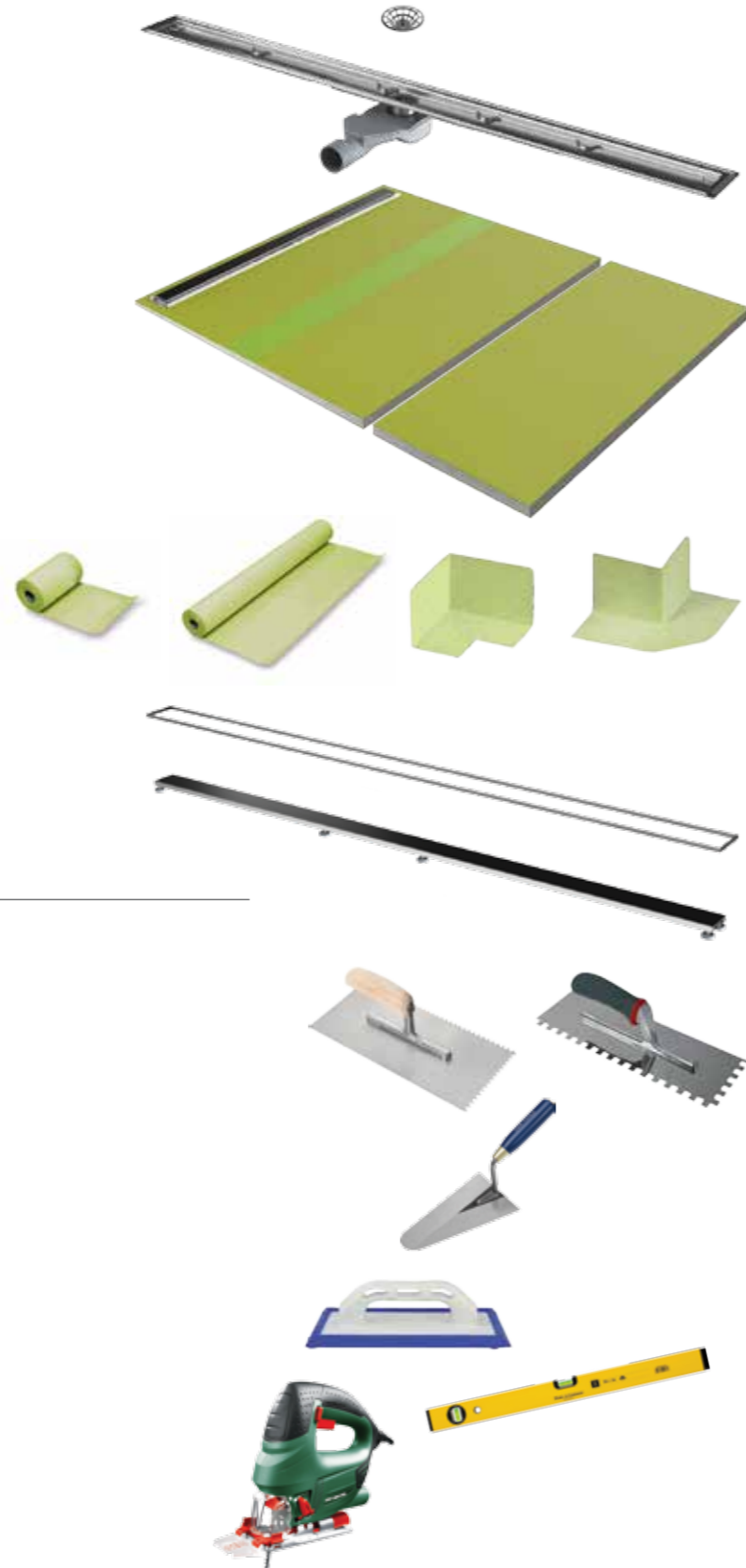
### Components:

Channel body STL - BS

Waterproof pre-sloped tray

Foiltec membrane and accessories  
(according to the installation)

Cover (grid) and Frame (optional frame)



### Tools:

Notched trowels 5 x 5 mm and 10 x 10 mm

Trowel

Flat or rubber trowel

Leveler

Hacksaw or cutter

Keep the Foiltec pre-attached membrane folded around the channel body.

### Substrate



Check that the substrate is clean and flat.



In the shower area check the position of the channel, check the height of the finished floor, considering waterproofing, tile thickness, glue, slope and the distance from the edges of the shower area and from the drains.

### Tray installation



Select the tray according to the size of the shower.



If the channel is longer than 60 cm, widen its hole with a cutter or with a jigsaw following the indicated marks on the tray.



If you choose to install the channel close to the wall, the relevant part of the tray shall be removed with a cutter or a jigsaw, following the indicated marks.



If the project manager deems it appropriate, the channel may be grounded. It has a small perforated tab, that can be bent downwards to connect the grounding.



Connect the siphon to the plumbing system and direct it to the drains.



Check that the drains have enough slope and test the correct sealing and flow of water.

Keep the Foiltec pre-attached membrane folded around the channel body.



Create a perfectly leveled substrate keeping the position and height of the siphon, protecting its opening.



Glue the pre-sloped tray on the substrate with tile adhesive in a double layer, using a 10 x 10 mm notched trowel on the floor, and a 5 x 5 mm on the tray to facilitate gripping. Remember to keep the dark green junction band facing up.



Check its correct bond.

### Channel body installation



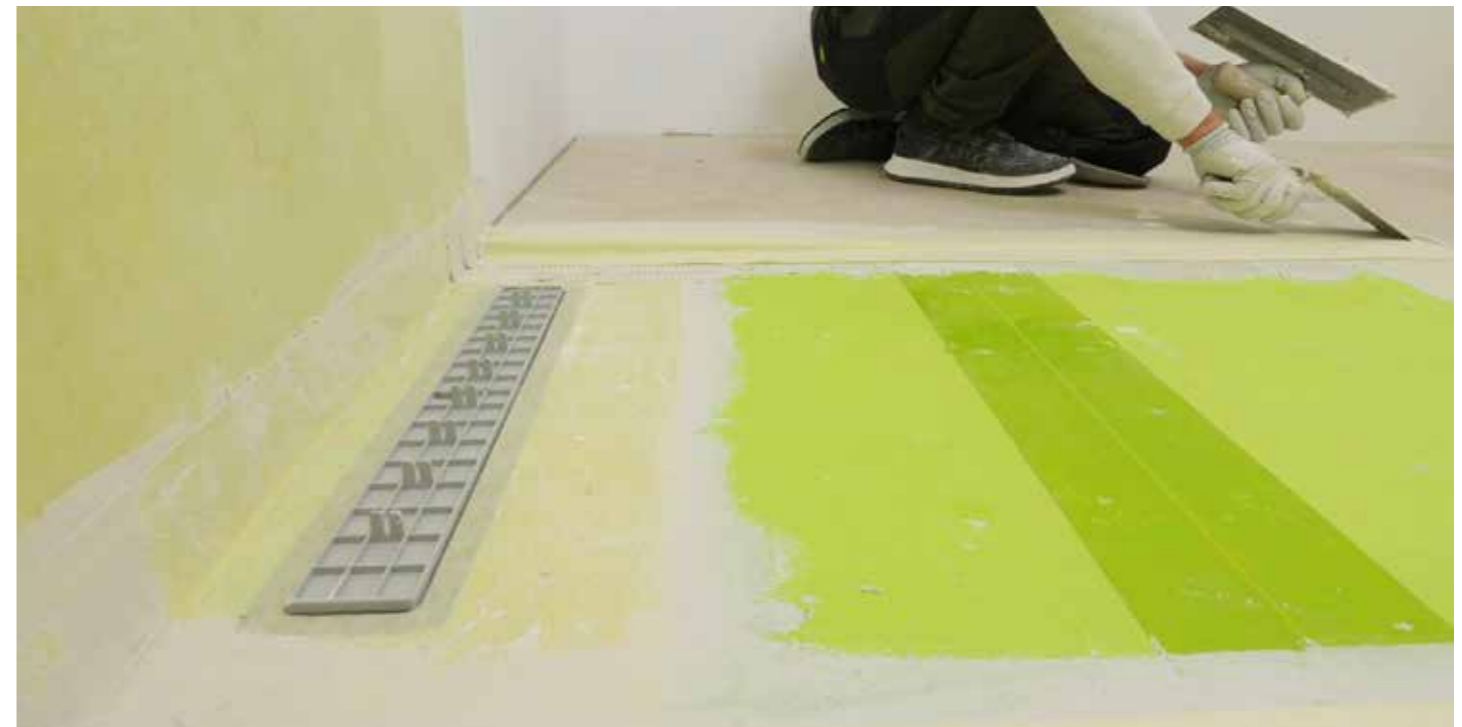
Add silicone around the shower tray hole to ensure correct fastening of the channel.



Press down firmly, check that the vertical pipe of the channel is well inserted in the siphon.



Check that the channel is leveled.  
(For waterproofing phases see page 42)



The length of the tray may be extended thanks to the STL-EXT accessory, an XPS extension with the same sloping and waterproofing features of the main tray.

During renovations, a ramp accessory is also available, STL-RAMP, to compensate for the difference in level between tray and floor.

## PRE-SLOPED TRAY INSTALLATION

For the version with center outlet

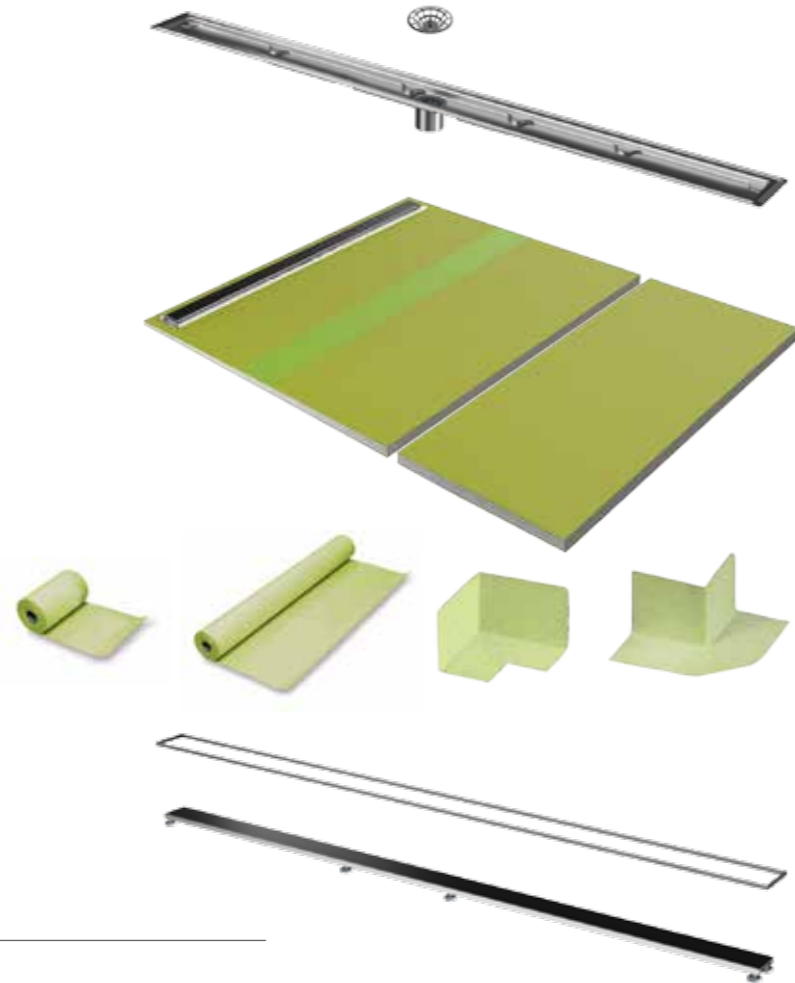
### Components:

Channel body STL - BV

Waterproof pre-sloped tray

Foiltec membrane and accessories  
(according to the installation)

Cover (grid) and Frame (optional frame)



### Tools:

Notched trowels 5 x 5 mm and 10 x 10 mm

Trowel

Flat or rubber trowel

Leveler

Hacksaw or cutter



Keep the Foiltec pre-attached membrane folded around the channel body.

### Substrate



Check that the substrate is clean and flat.

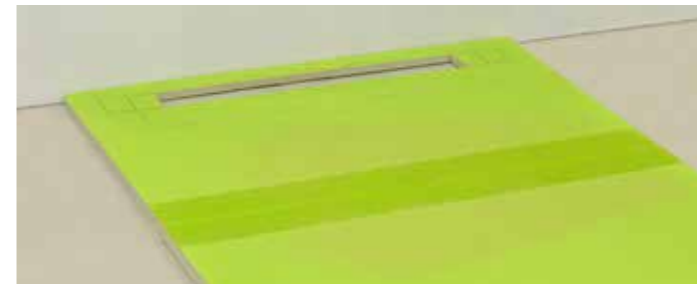


Choose the location of the channel and, if not available yet, make a hole on the floor with a 50.8 mm diameter.



Check the height of the finished floor, considering waterproofing, tile thickness, glue, slope and the distance from the edges of the shower area and from the drains.

### Tray installation



Select the tray according to the size of the shower.



If the channel is longer than 60 cm, widen its hole with a cutter or with a jigsaw following the indicated marks on the tray.



If you choose to install the channel close to the wall, the relevant part of the tray shall be removed with a cutter or a jigsaw, following the indicated marks.



If the project manager deems it appropriate, the channel may be grounded. It has a small perforated tab, that can be bent downwards to connect the grounding.



Keep the Foiltec pre-attached membrane folded around the channel body.



Place the tray and the channel before gluing to check that everything is in the right size, if necessary, the width of the shower tray may be reduced with a cutter or a jigsaw.



Glue the pre-sloped tray on the substrate with tile adhesive in a double layer, using a 10 x 10 mm notched trowel on the floor, and a 5 x 5 mm on the tray to facilitate gripping. Remember to keep the dark green junction band facing up.



Check its correct bond.

### Channel body installation



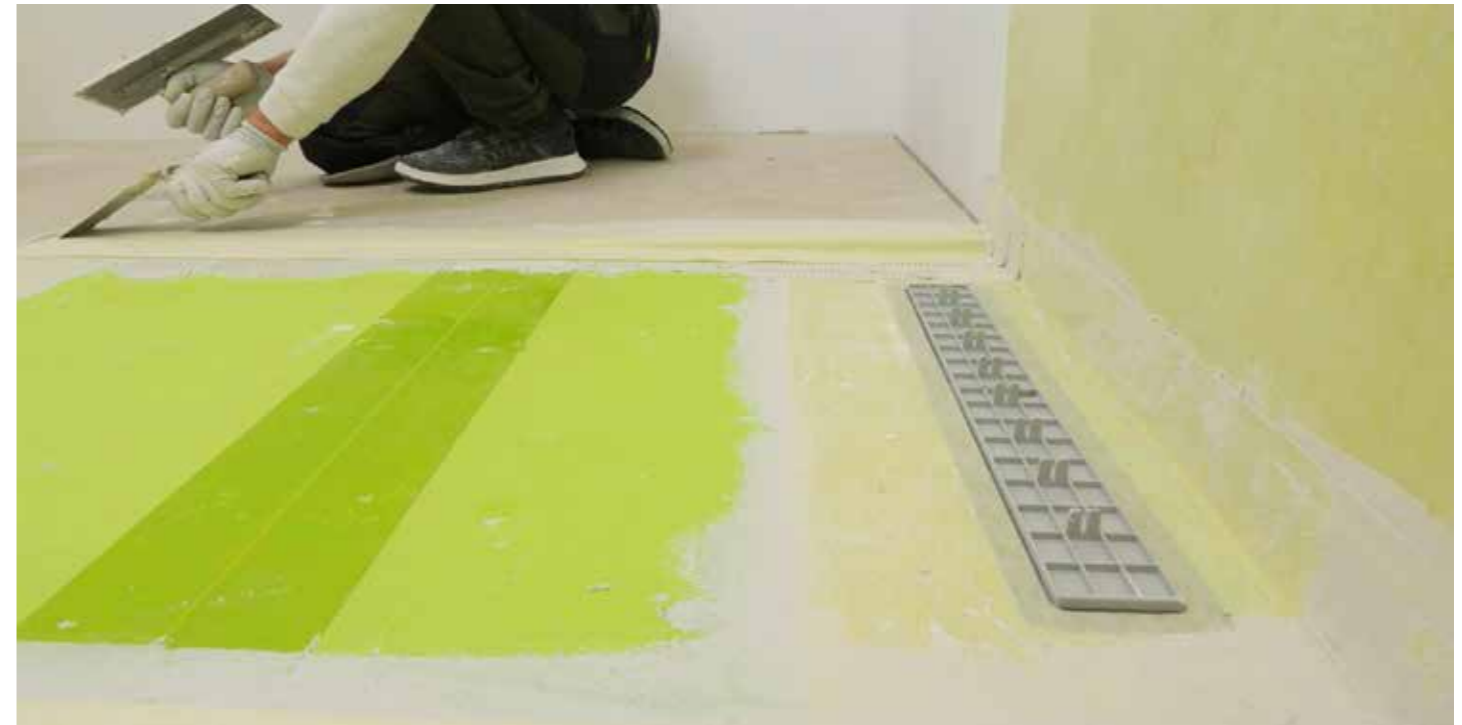
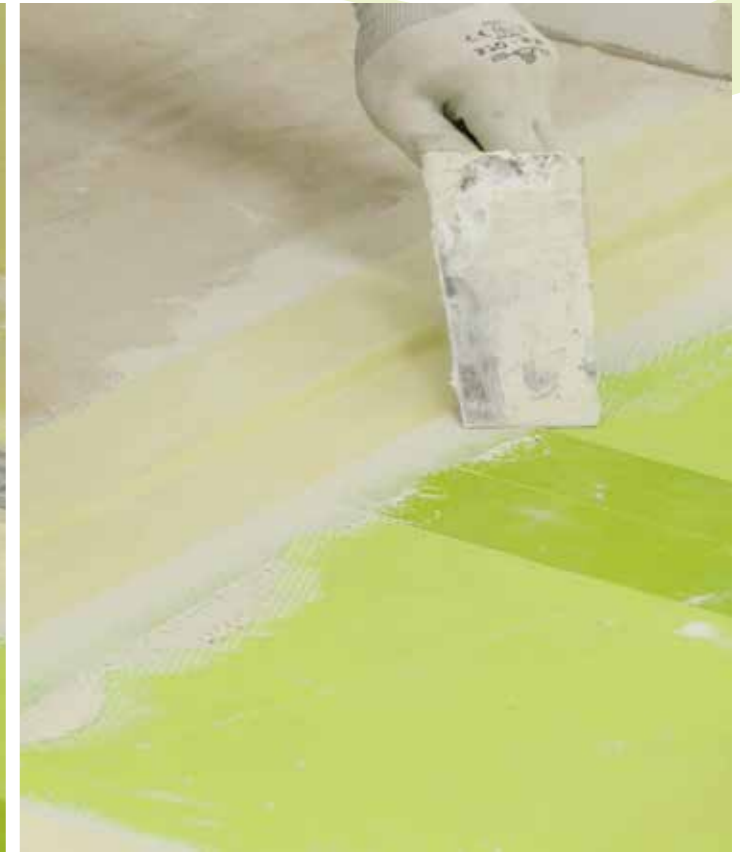
Place the channel body inside the hole.



Press down firmly, check that the vertical pipe of the channel is well inserted in the drain pipe.



Check that the channel is leveled.  
(For waterproofing phases see page 42)



The length of the tray may be extended thanks to the STL-EXT accessory, an XPS extension with the same sloping and waterproofing features of the main tray.

During renovations, a ramp accessory is also available, STL-RAMP, to compensate for the difference in level between tray and floor.

Product installation | Installation with pre-sloped tray for versions with vertical drain

## PRE-SLOPED TRAY AND RISER INSTALLATION

For the STL - BS version

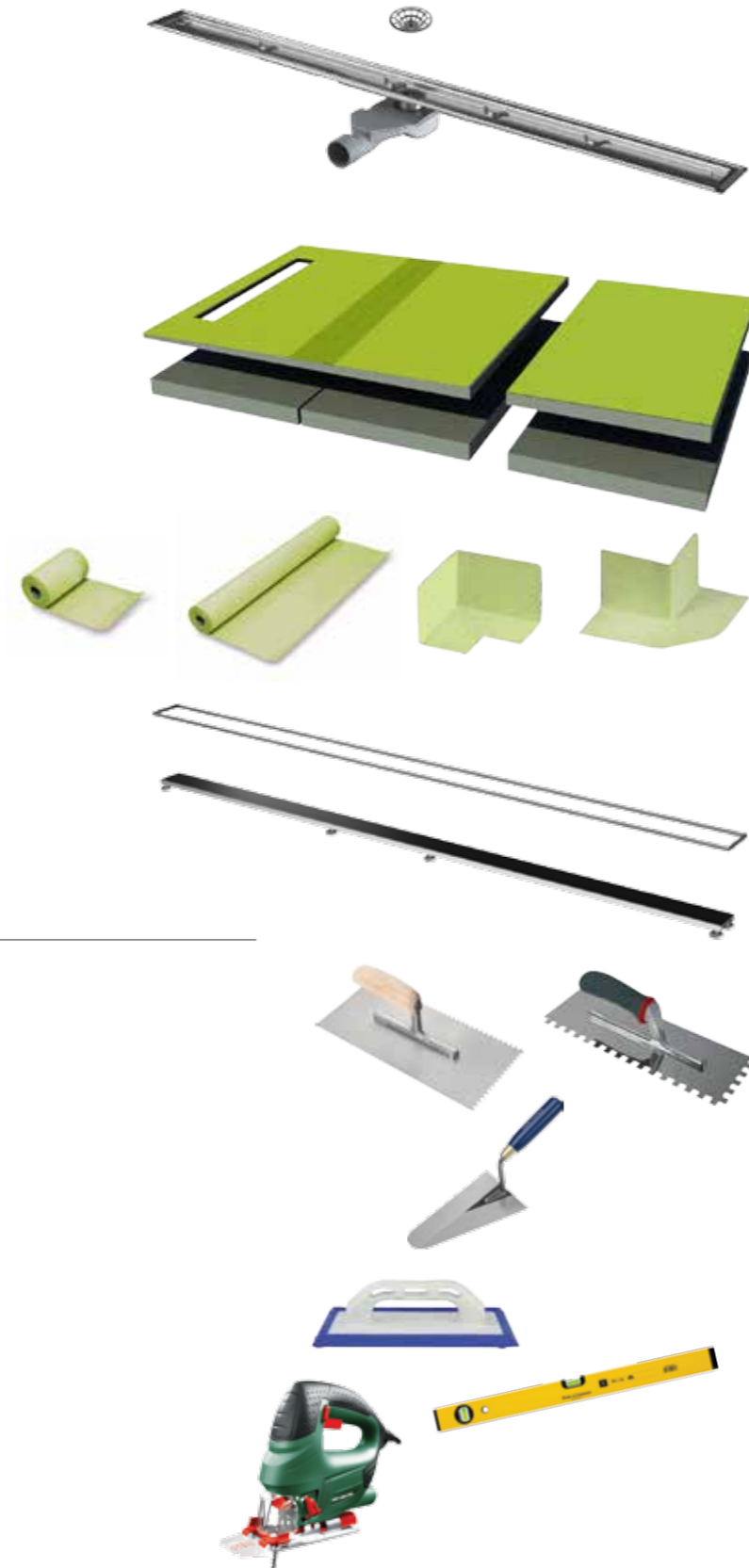
### Components:

Channel body STL - BS

Pre.sloped tray and riser installation

Foiltec membrane and accessories (according to the installation)

Cover (grid) and Frame (optional frame)



### Tools:

Notched trowels 5 x 5 mm and 10 x 10 mm

Trowel

Flat or rubber trowel

Leveler

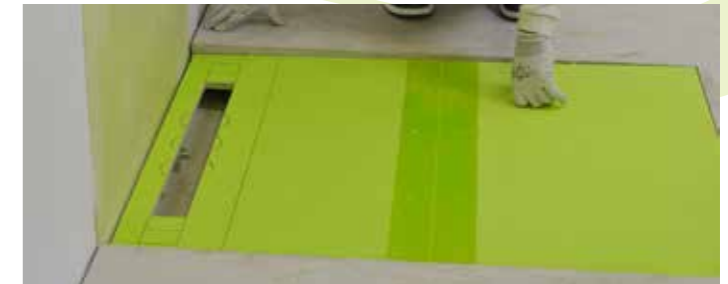
Hacksaw or cutter

Keep the Foiltec pre-attached membrane folded around the channel body.

### Substrate

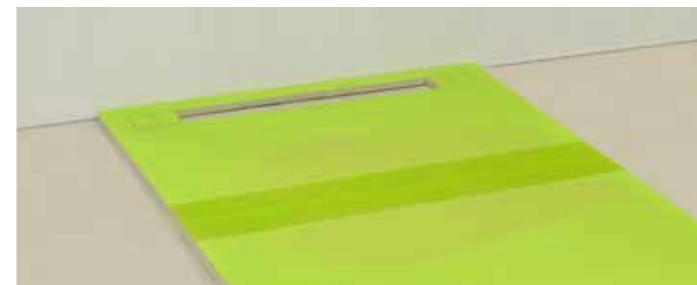


Check that the substrate is clean and flat.



In the shower area check the position of the channel, check the height of the finished floor, considering waterproofing, tile thickness, glue, slope and the distance from the edges of the shower area and from the drains.

### Riser installation



Select the tray according to the size of the shower.



If the channel is longer than 60 cm, widen its hole with a cutter or with a jigsaw following the indicated marks on the tray.



If you choose to install the channel close to the wall, the relevant part of the tray shall be removed with a cutter or a jigsaw, following the indicated marks.



If the project manager deems it appropriate, the channel may be grounded. It has a small perforated tab, that can be bent downwards to connect the grounding.



Connect the siphon to the plumbing system and direct it to the drains.



Check that the drains have enough slope and test the correct sealing and flow of water.

Keep the Foiltec pre-attached membrane folded around the channel body.



Cut the raised panel to accommodate the siphon and drain pipe.



Glue the raised panel on the substrate with tile adhesive in a double layer, using a 10 x 10mm (3/8 x 3/8") notched trowel on the floor, and a 5 x 5 mm (3/16 x 3/16") on the panel to facilitate gripping.



Check the position of the siphon and the flatness of the raised panel.

### Tray installation



Glue the pre-sloped tray on the riser with tile adhesive in a double layer, using a 10 x 10 mm (3/8 x 3/8") notched trowel on the floor, and a 5 x 5 mm (3/16 x 3/16") on the tray to facilitate gripping. Remember to keep the dark green junction band facing up.



Check its correct bond.

Keep the Foiltec pre-attached membrane folded around the channel body.

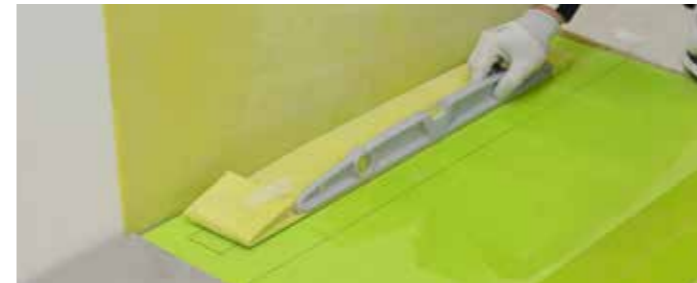
### Channel body installation



Add silicone around the shower tray hole to ensure correct fastening of the channel.



Press down firmly, check that the vertical pipe of the channel is well inserted in the siphon.



Check that the channel is leveled.  
(For waterproofing phases see page 42)

The length of the tray may be extended thanks to the STL-EXT accessory, an XPS extension with the same sloping and waterproofing features of the main tray.

During renovations, a ramp accessory is also available, STL-RAMP, to compensate for the difference in level between tray and floor.

PRE-SLOPED TRAY  
AND RISER INSTALLATION

For the version with center outlet

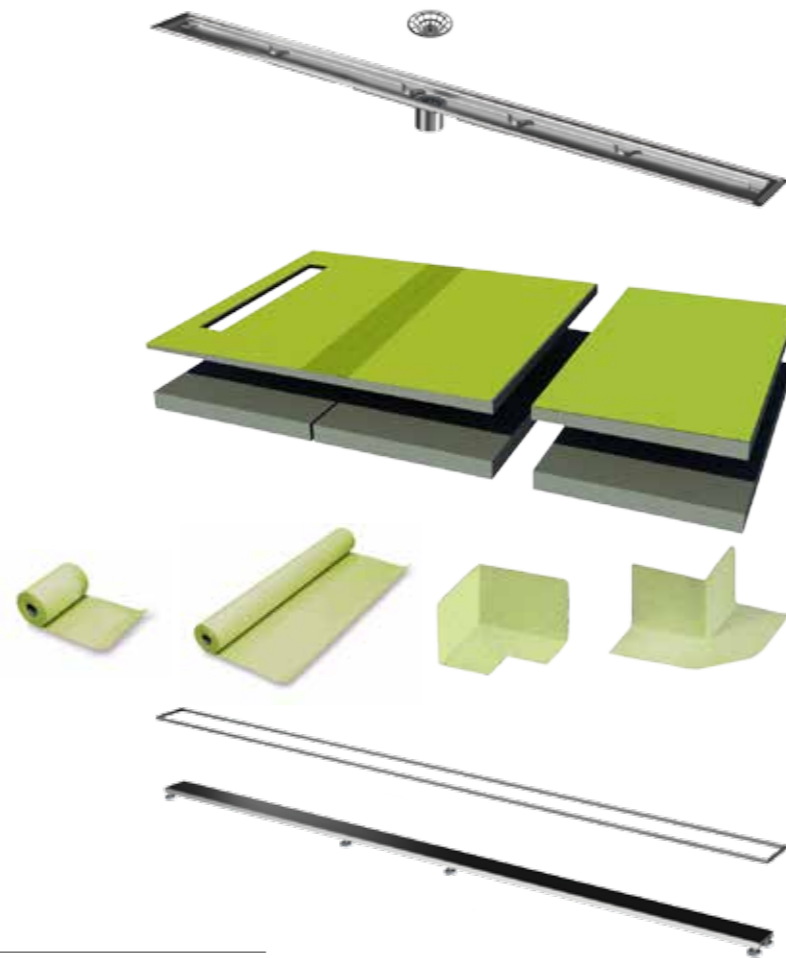
Components:

Channel body STL - BV

Pre.sloped tray and riser installation

Foiltec membrane and accessories  
(according to the installation)

Cover (grid) and Frame (optional frame)



Tools:

Notched trowels 5 x 5 mm and 10 x 10 mm

Trowel

Flat or rubber trowel

Leveler

Hacksaw or cutter



Keep the Foiltec pre-attached membrane folded around the channel body.

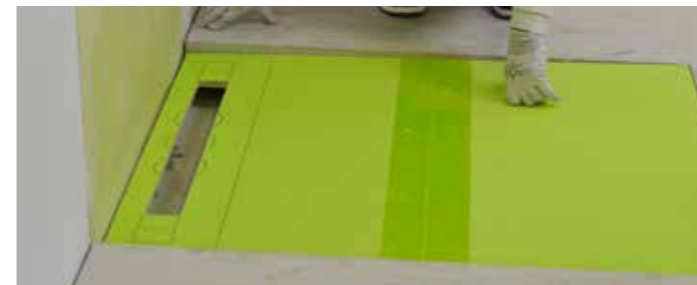
Substrate



Check that the substrate is clean and flat.

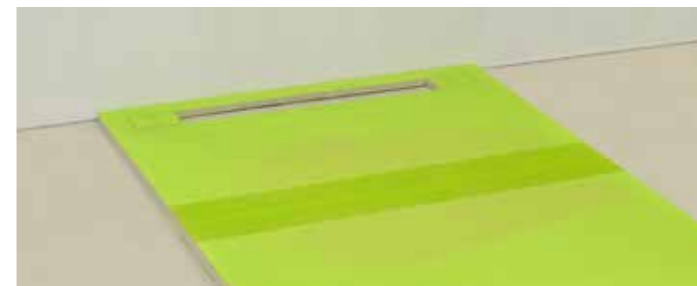


Choose the location of the channel and, if not available yet, make a hole on the floor with a 50.8 mm diameter.



Check the height of the finished floor, considering waterproofing, tile thickness, glue, slope and the distance from the edges of the shower area and from the drains.

Pre-sloped tray and riser installation



Select the tray according to the size of the shower.



If the channel is longer than 60 cm, widen its hole with a cutter or with a jigsaw following the indicated marks on the tray.



If you choose to install the channel close to the wall, the relevant part of the tray shall be removed with a cutter or a jigsaw, following the indicated marks.



If the project manager deems it appropriate, the channel may be grounded. It has a small perforated tab, that can be bent downwards to connect the grounding.

Keep the Foiltec pre-attached membrane folded around the channel body.



Make a hole in the raised panel to accommodate the drain pipe.



Glue the raised panel on the substrate with tile adhesive in a double layer, using a 10 x 10mm (3/8 x 3/8") notched trowel on the floor, and a 5 x 5 mm (3/16 x 3/16") on the panel to facilitate gripping.



Glue the pre-sloped tray on the riser with tile adhesive in a double layer, using a 10 x 10 mm (3/8 x 3/8") notched trowel on the floor, and a 5 x 5 mm (3/16 x 3/16") on the tray to facilitate gripping. Remember to keep the dark green junction band facing up.



Check its correct bond.

### Channel body installation



Add silicone around the shower tray hole to ensure correct fastening of the channel.



Place the channel body. Press down firmly, check that the vertical pipe of the channel is well inserted in the drain pipe.



Check that the channel is leveled.  
(For waterproofing phases see page 42)



The length of the tray may be extended thanks to the STL-EXT accessory, an XPS extension with the same sloping and waterproofing features of the main tray.

During renovations, a ramp accessory is also available, STL-RAMP, to compensate for the difference in level between tray and floor.

Note: ensure that the construction plug is properly installed.

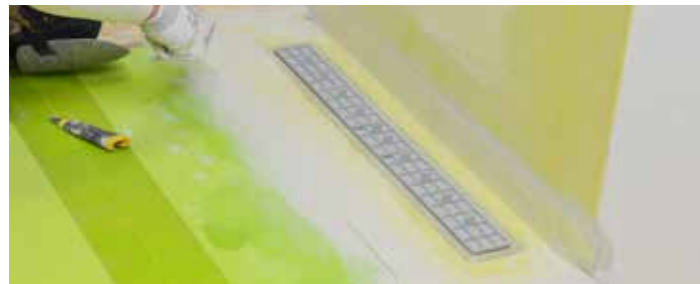
### TRAY WATERPROOFING



Spread tile adhesive on the surface around the channel by using a 5 x 5 mm notched trowel.



Lay the membrane of the channel on the shower tray.



Make sure the membrane adheres well to the tray using a smooth trowel, checking that no bubbles form.



Waterproofing the floor: lay the Foiltec membrane with a notched trowel, approximately 5 x 5 mm. The TRAY tray is already waterproof so you do not need to cover it with membranes.



Install the corners and the sealing strip along the junctions between the shower tray and the lateral part between tray and floor.



Let dry for 24 hours before moving on to the next step.

### SCREED WATERPROOFING

Spread the tile adhesive using a 5 x 5 mm notched trowel around the channel. Proceed with waterproofing the entire surface where the screed is present. Apply the corner pieces and spread the Foiltec strip on the joints between the screed and the floor.

Note: all junctions shall be made with 5 cm membrane overlaps on the same surface and 10 cm between walls and floor.



Ensure that the construction plug is properly installed. Spread the pre-attached membrane on the screed.

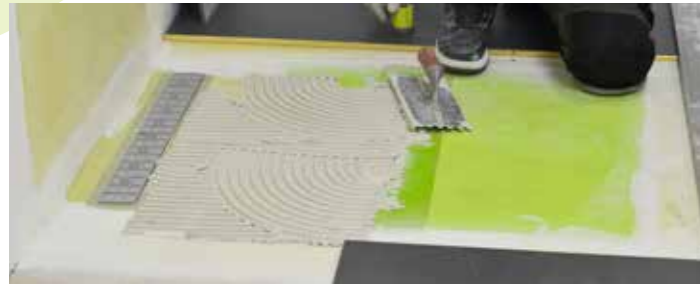


Proceed with waterproofing the entire surface where the screed is present. Before installation, cut the Foiltec membrane to measure.



Spread the Foiltec strip on the joints between the screed and the floor.

PRELIMINARY OPERATIONS



Spread the thin-set mortar surrounding the channel, ensuring you do not cover the construction plug.



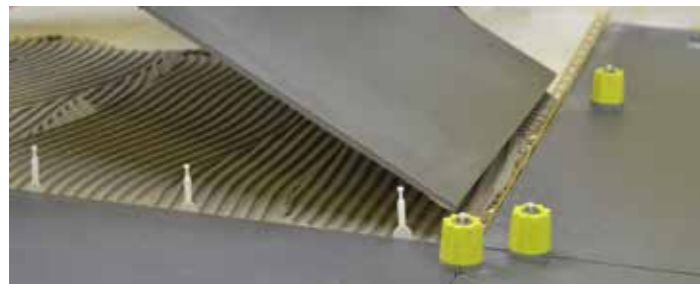
Install the tiles surrounding the channel with the correct slope for the water to flow towards the drain.



Clean the cavity of the channel from any residual mortar or dust and make sure they do not fall in the drain.



Place the hair trap inside the drain hole.



Proceed tiling the entire remaining floor with the Leveltec system to avoid unpleasant lippage.



Wait as long as necessary for the glue to dry.



Remove the Leveltec caps with a single hit along the direction of the joint.



Spread the tile adhesive on the walls and proceed with installing the tiles, using Leveltec laying system.



Grout the tile joints.



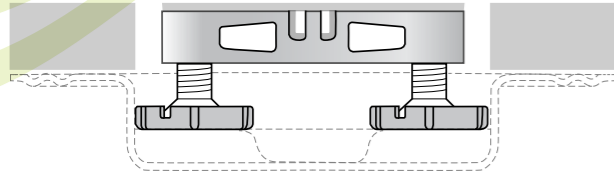
Remove the construction plug.

Note: If the channel is detached from the walls, the tiles surrounding it shall be glued with the correct slope for the water to flow towards the drain.

FINAL STEPS ON THE NEXT PAGE



COVER METAL INSTALLATION

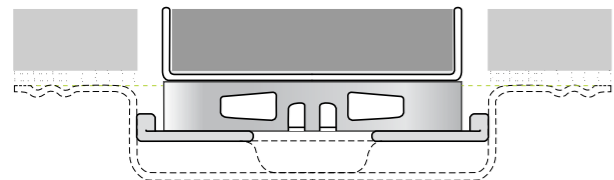


From the 3 sets of pedestals in the box of the cover, pick the ones with the correct height and fasten until the cover is level with the floor.



Place the cover inside the channel.

COVER TILEABLE INSTALLATION



Cut the tile to measure to fit the metal frame.



Spread the silicone inside the support and place the cut tile, press firmly to facilitate sealing.

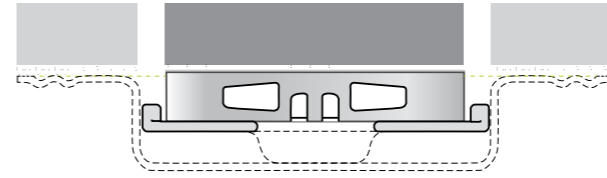


Silicone the joints between tile and metal frame.



Place the cover inside the channel.

COVER INVISIBLE INSTALLATION



Take the cover support and cut the tile to measure according to the exact size of the metal frame. Glue it into the cover support.

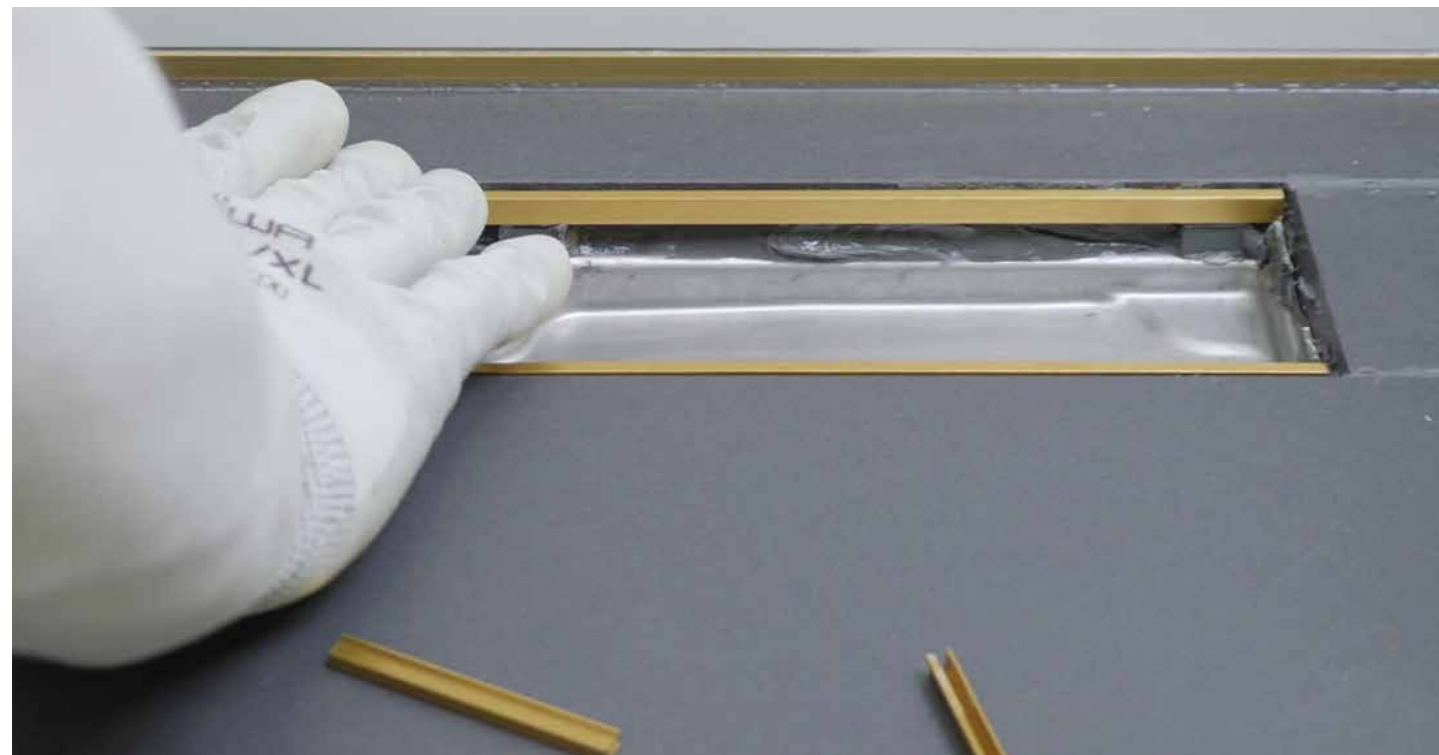


Place the cover inside the channel.



**Note: External aluminum frame section**

With the aluminum frame, the side with the notch shall be placed outwards from the drain, to have a uniform tile spacing on all sides (5 mm), and to better fix the frame under the grout to keep it in place.

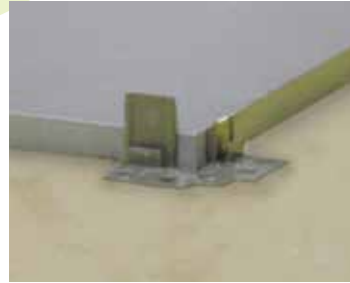
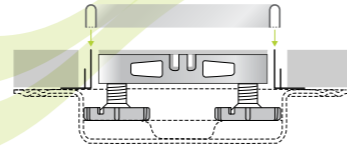


**Note: External steel frame section**

When inserting it into the support frame, position the steel frame by pressing first in the center and then outwards.



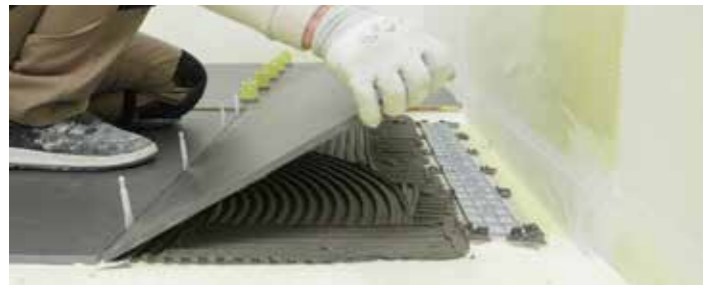
EXTERNAL FRAME



Use a cutter to cut the heads of the supports at least 1 mm below the level of the tiles. The supports have lines every 2 mm.



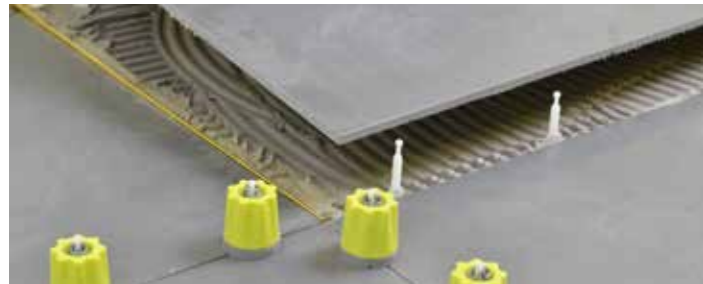
Place the supports against the construction plug in the 4 corners of the channel, drowning them in glue. Break the other supports in half and place them every 10/15 cm along the 4 sides of the drain.



Glue the tiles close to the drain. They must be positioned against the lower flaps of the frame supports, without covering them.



Glue the tiles surrounding the channel with the correct slope for the water to flow towards the drain.



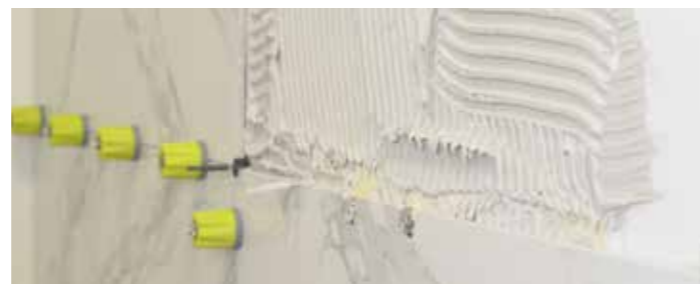
Glue the tile on the whole shower surface using Leveltec caps to avoid unwanted height gaps.



Wait as long as necessary for the glue to dry.



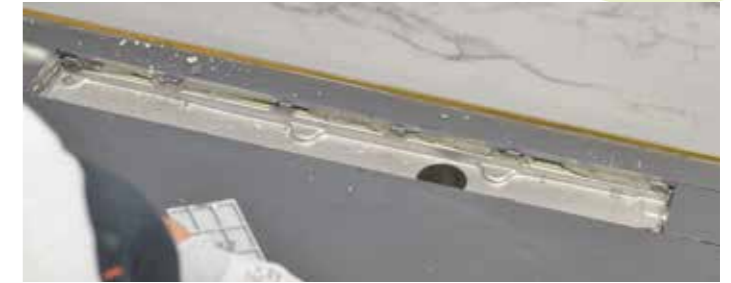
Remove the Leveltec caps with a single hit along the direction of the joint.



Spread the tile adhesive on the walls and seal.



Grout the tile joints.



Remove the construction plug.



Clean the cavity of the channel from any residual mortar or dust and make sure they do not fall in the drain.



Place the hair trap inside the drain hole.



Place the frame by fitting it in the supports until it is level with the floor.

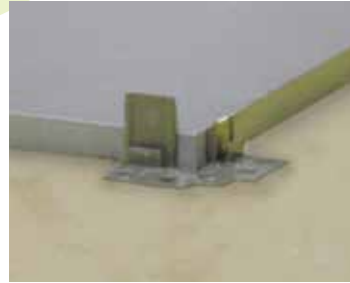
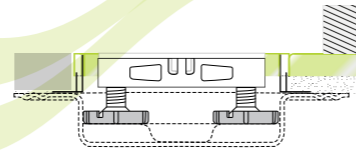


From the 3 sets of pedestals in the box of the cover, pick the ones with the correct height and fasten until the cover is level with the floor.

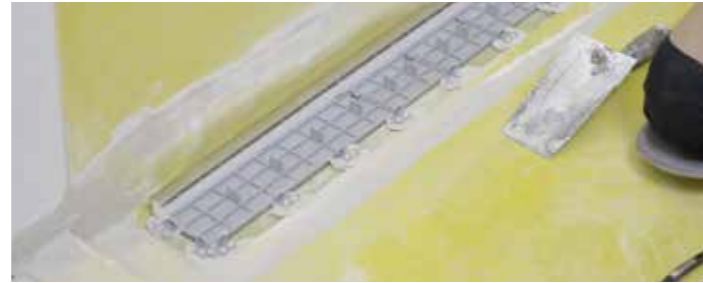


Place the cover inside the channel.

WALL FRAME



Use a cutter to cut the heads of the supports at least 1 mm below the level of the tiles. The supports have lines every 2 mm.



Place the supports against the construction plug in the 2 corners of the channel, drowning them in glue. Break the other supports in half and place them every 10/15 cm along the 3 sides of the drain.



Glue the tiles close to the drain. They must be positioned against the lower flaps of the frame supports, without covering them.



Cut the EPS part of the Wall frame element to get the correct installation height. Use polyurethane glue to glue the element close to the construction plug.



Glue the tile on the whole shower surface using Leveltec caps to avoid unwanted height gaps.



Wait as long as necessary for the glue to dry.



Remove the Leveltec caps with a single hit along the direction of the joint.



Spread the thin-set mortar on the walls and proceed with installing the tiles with Leveltec system.



Grout the remaining joints of the wall.



Remove the construction plug.



Clean the cavity of the channel from any residual mortar or dust and make sure they do not fall in the drain.



Place the hair trap inside the drain hole.



Place the frame by fitting it in the supports until it is level with the floor.



From the 3 sets of pedestals in the box of the cover, pick the ones with the correct height and fasten until the cover is level with the floor.



Place the cover inside the channel.



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