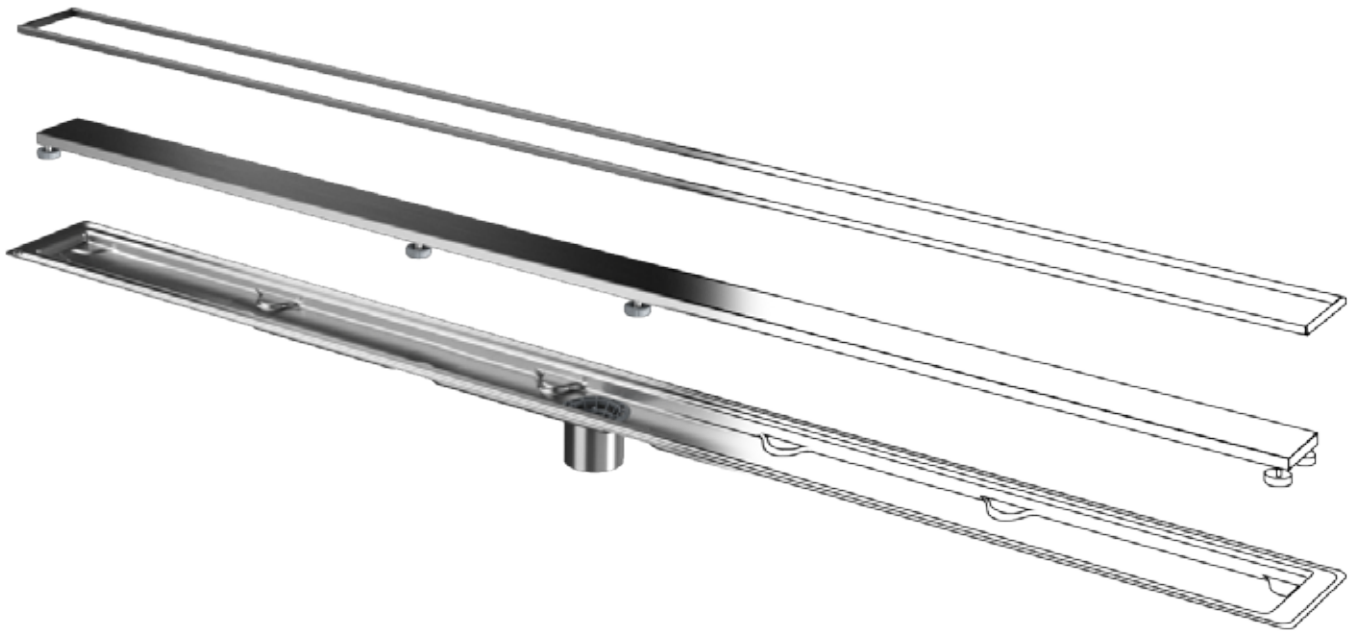
US

manual

showertec® linear



profilitec

positive profile

INDEX

01 System concept — page 3

02 Components — pages 4 - 8
- System presentation — pages 4 - 5
- Pre-sloped **tray** & **accessories** — pages 6 - 7
- **Foiltec** membrane — page 8

03 Product codes — pages 9 - 13

04 Warnings and recommendations for the installer
Use and maintenance for the user — pages 14 - 15

05 Preliminary operations — pages 16 - 17

06 Product installation — pages 18 - 27
- Installation with **screed** for **central and off-center drain versions** — pages 18-21
- Installation with **pre-sloped tray** for **central and off-center drain versions** — pages 22-27

07 Waterproofing — pages 28 - 29
- **Tray** waterproofing — page 28
- **Screed** waterproofing — page 29

08 Cover installation — pages 30 - 33

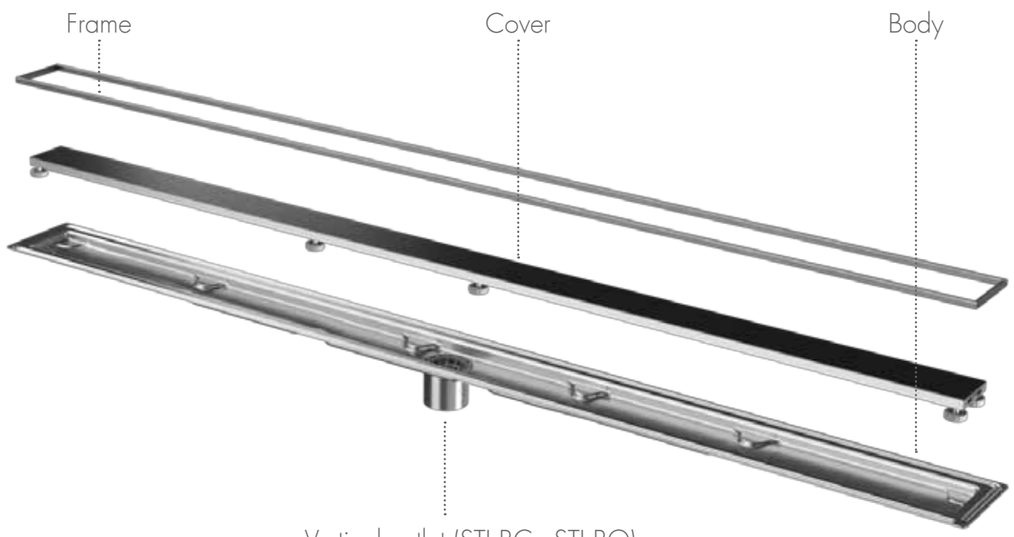
09 Frame installation — pages 34 - 39
- **External** frame — pages 36-37
- **Wall** frame — pages 38-39

SYSTEM CONCEPT

US EN

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.



Vertical outlet (STL-BC - STL-BO)

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:

- **VERTICAL CENTER:** this is a vertical center drain, with a 50.8 mm (2") diameter;
- **VERTICAL OFF-CENTER:** this is a vertical off-center drain with a 50.8 mm (2") diameter; it can be rotated 180° according to the installation conditions.

3 FRAME

2 COVER

1 BODY

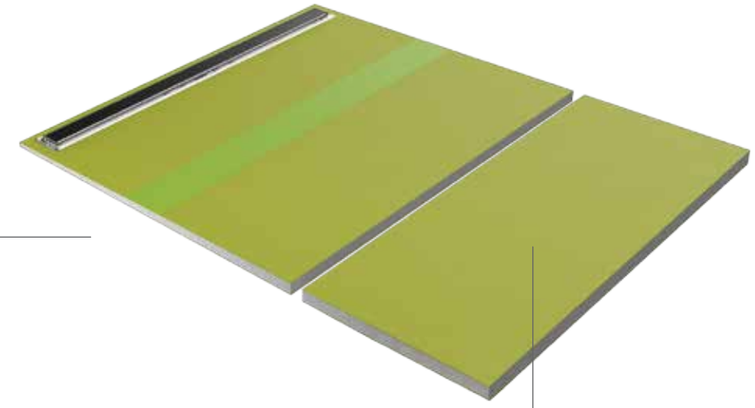
STL - BC

Channel body with vertical center outlet

STL - BO

Channel body with vertical off-center outlet

4 Pre-sloped Tray



5 Ramp

6 Extension

7 Foiltec waterproof membrane roll

8 Foiltec sealing strip

9 Foiltec internal corner

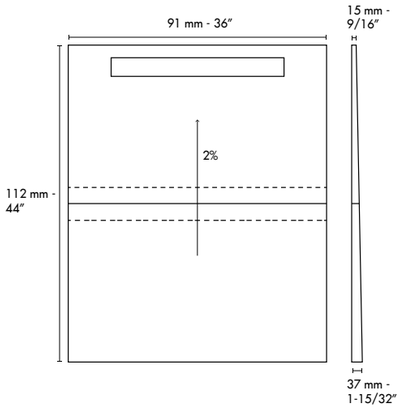
10 Foiltec external corner

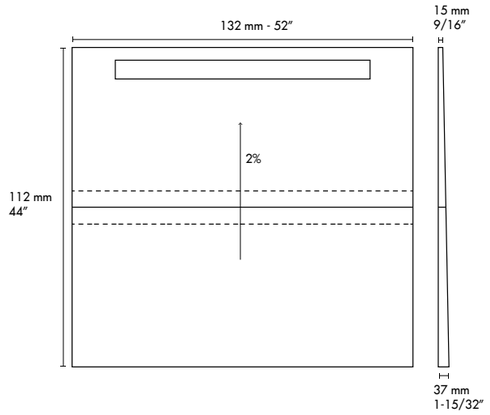
PRE-SLOPED TRAY & ACCESSORIES

Showertec STL-TRAY is a range of pre-sloped shower trays compatible with Showertec linear STL BC and STL BO. They are made of high-strength waterproof materials (XPS extruded polystyrene).
They provide a solid bond between the thin-set mortar and the tile, thanks to their honeycomb surface finish and the incorporated reinforcement grid.
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.

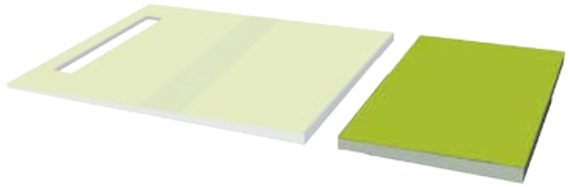
Showertec STL-EXTENSION and STL - RAMP are additional accessories for STL - TRAY pre-sloped shower trays. Extensions widen the shower area if the space is not enough.
The ramp is recommended during renovations, when the shower cannot be kept flush with the floor.

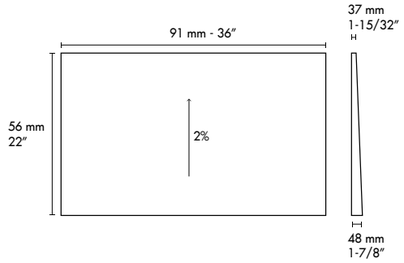
Pre-sloped tray

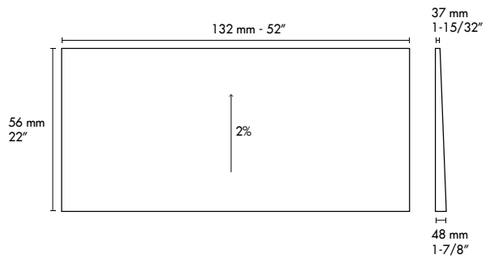




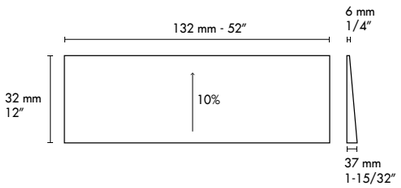
Extension

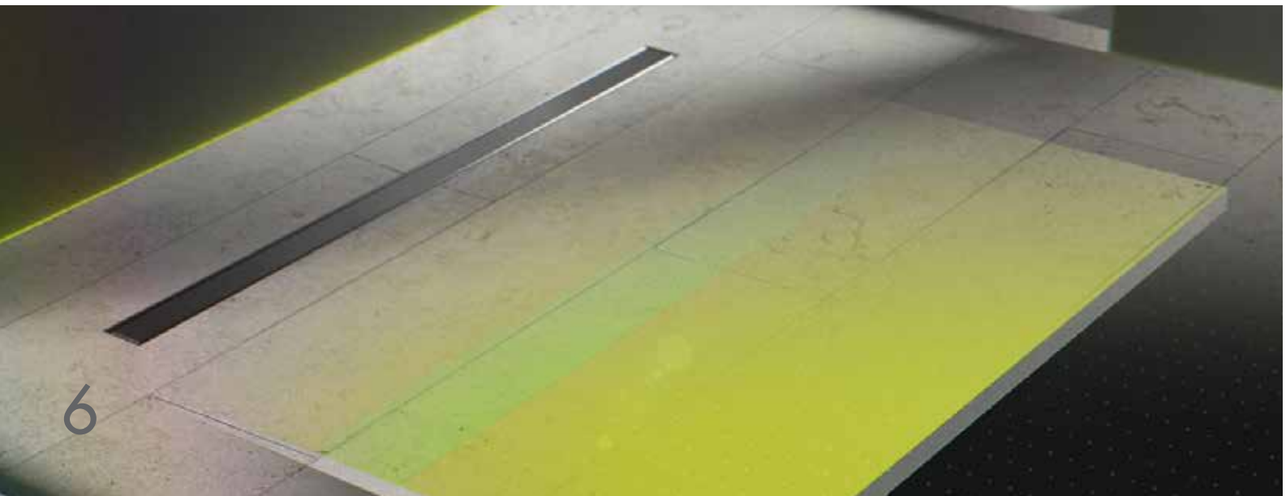


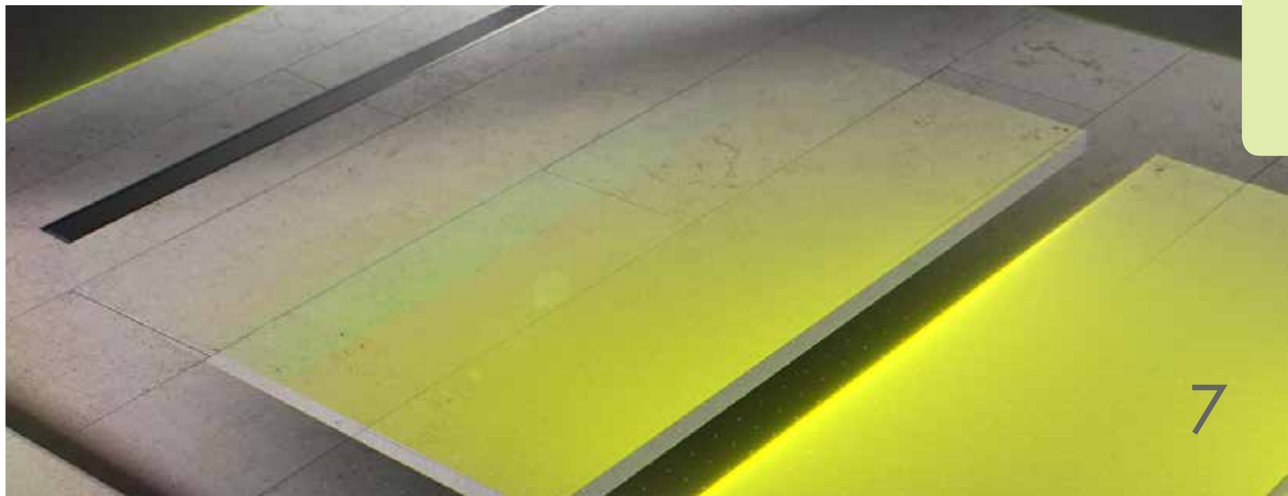




Ramp







FOILTEC MEMBRANE

Waterproofing membrane in polyethylene composite, mainly installed in high-humidity areas together with the tiled covering and using thin-set mortar. 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)*[1]:			
- 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^2	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
Water vapor transmission	**ASTM E96-13A** **ASTM E96-15E**	**perms** **perms**	**0.405** **0.033**
Robinson Wheel	ASTM C627	-	Pass (Heavy Commercial Rating)
Test: Ignitability	DIN 4102	-	B2
Water resistance - water column	EN 1928	bar/24h	1.5

*[1]Test Method: MD - Machine Direction / CMD - Cross Machine Direction.

BODY

Article	Length (mm - in)	Description	Pc
STL-BC 600	600 - 23-5/8"	Channel body with **central** vertical drain	1
STL-BC 700	700 - 27-9/16"	Channel body with **central** vertical drain	1
STL-BC 800	800 - 31-1/2"	Channel body with **central** vertical drain	1
STL-BC 900	900 - 35-7/16"	Channel body with **central** vertical drain	1
STL-BC 1000	1000 - 39-3/8"	Channel body with **central** vertical drain	1
STL-BC 1200	1200 - 47-1/4"	Channel body with **central** vertical drain	1

Article	Length (mm - in)	Description	Pc
STL-BO 600	600 - 23-5/8"	Channel body with **off-center** vertical drain	1
STL-BO 700	700 - 27-9/16"	Channel body with **off-center** vertical drain	1
STL-BO 800	800 - 31-1/2"	Channel body with **off-center** vertical drain	1
STL-BO 900	900 - 35-7/16"	Channel body with **off-center** vertical drain	1
STL-BO 1000	1000 - 39-3/8"	Channel body with **off-center** vertical drain	1
STL-BO 1200	1200 - 47-1/4"	Channel body with **off-center** vertical drain	1

TRAY

Article	Length (mm - in)	Description	Pc
STL-TRAY91/112	910x1120 - 36x44"	Fiber-reinforced cementitious **bonding surface**	1
STL-TRAY132/112	1320 x 1120 - 52x44"	Fiber-reinforced cementitious **bonding surface**	1

EXTENSION

Article	Length (mm - in)	Description	Pc
STL-EXT91/56	910x560 - 36x22"	**Pre-sloped** Waterproof **Extension** for TRAYs	1
STL-EXT132/56	1320x560 - 52x22"	**Pre-sloped** Waterproof **Extension** for TRAYs	1

RAMP

Article	Length (mm - in)	Description	Pc
STL-RAMP132/30	1320x300 - 52x12"	**Pre-sloped Ramp** for TRAYs	1

COVER

STAINLESS STEEL **AISI 316**

Article	Length (mm - in)	Description	Pc.
STL-C 600 *	600 - 23-5/8"	Cover in **Stainless Steel AISI 316** - *ILM/*ISM/*IXM/*IC	1
STL-C 700 *	700 - 27-9/16"	Cover in **Stainless Steel AISI 316** - *ILM/*ISM/*IXM/*IC	1
STL-C 800 *	800 - 31-1/2"	Cover in **Stainless Steel AISI 316** - *ILM/*ISM/*IXM/*IC	1
STL-C 900 *	900 - 35-7/16"	Cover in **Stainless Steel AISI 316** - *ILM/*ISM/*IXM/*IC	1
STL-C 1000 *	1000 - 39-3/8"	Cover in **Stainless Steel AISI 316** - *ILM/*ISM/*IXM/*IC	1
STL-C 1200 *	1200 - 47-1/4"	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 - in)	Description	Pc.
STL-C 600 *	600 - 23-5/8"	Cover in **ALU+** - *AT/*AR/*AO	1
STL-C 700 *	700 - 27-9/16"	Cover in **ALU+** - *AT/*AR/*AO	1
STL-C 800 *	800 - 31-1/2"	Cover in **ALU+** - *AT/*AR/*AO	1
STL-C 900 *	900 - 35-7/16"	Cover in **ALU+** - *AT/*AR/*AO	1
STL-C 1000 *	1000 - 39-3/8"	Cover in **ALU+** - *AT/*AR/*AO	1
STL-C 1200 *	1200 - 47-1/4"	Cover in **ALU+** - *AT/*AR/*AO	1

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

BRIGHT POLISHED BRUSHED ALUMINUM ALU+

Article	Length (mm - in)	Description	Pc.
STL-C 600 *	600 - 23-5/8"	Cover in bright polished brushed **ALU+** - *ASSB/*ATSB/*ARSB/*AOSB	1
STL-C 700 *	700 - 27-9/16"	Cover in bright polished brushed **ALU+** - *ASSB/*ATSB/*ARSB/*AOSB	1
STL-C 800 *	800 - 31-1/2"	Cover in bright polished brushed **ALU+** - *ASSB/*ATSB/*ARSB/*AOSB	1
STL-C 900 *	900 - 35-7/16"	Cover in bright polished brushed **ALU+** - *ASSB/*ATSB/*ARSB/*AOSB	1
STL-C 1000 *	1000 - 39-3/8"	Cover in bright polished brushed **ALU+** - *ASSB/*ATSB/*ARSB/*AOSB	1
STL-C 1200 *	1200 - 47-1/4"	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 - in)	Description	Pc.
STL-C 600 *	600 - 23-5/8"	Cover in bright polished **ALU+** - *AORB	1
STL-C 700 *	700 - 27-9/16"	Cover in bright polished **ALU+** - *AORB	1
STL-C 800 *	800 - 31-1/2"	Cover in bright polished **ALU+** - *AORB	1
STL-C 900 *	900 - 35-7/16"	Cover in bright polished **ALU+** - *AORB	1
STL-C 1000 *	1000 - 39-3/8"	Cover in bright polished **ALU+** - *AORB	1
STL-C 1200 *	1200 - 47-1/4"	Cover in bright polished **ALU+** - *AORB	1

Finishes: ***AORB** = Pink Gold

BRUSHED ALUMINUM ALU+

Article	Length (mm - in)	Description	Pc.
STL-C 600 *	600 - 23-5/8"	Cover in brushed **ALU+** - *AGRS/*AMSB	1
STL-C 700 *	700 - 27-9/16"	Cover in brushed **ALU+** - *AGRS/*AMSB	1
STL-C 800 *	800 - 31-1/2"	Cover in brushed **ALU+** - *AGRS/*AMSB	1
STL-C 900 *	900 - 35-7/16"	Cover in brushed **ALU+** - *AGRS/*AMSB	1
STL-C 1000 *	1000 - 39-3/8"	Cover in brushed **ALU+** - *AGRS/*AMSB	1
STL-C 1200 *	1200 - 47-1/4"	Cover in brushed **ALU+** - *AGRS/*AMSB	1

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

POWDER COATED ALUMINUM ALU+

Article	Length (mm - in)	Description	Pc.
STL-C 600 *	600 - 23-5/8"	Cover in powder coated **ALU+** -*AM11/*A65	1
STL-C 700 *	700 - 27-9/16"	Cover in powder coated **ALU+** -*AM11/*A65	1
STL-C 800 *	800 - 31-1/2"	Cover in powder coated **ALU+** -*AM11/*A65	1
STL-C 900 *	900 - 35-7/16"	Cover in powder coated **ALU+** -*AM11/*A65	1
STL-C 1000 *	1000 - 39-3/8"	Cover in powder coated **ALU+** -*AM11/*A65	1
STL-C 1200 *	1200 - 47-1/4"	Cover in powder coated **ALU+** -*AM11/*A65	1

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

COVER **INVISIBLE**

Article	Length (mm - in)	Description	Pc.
STL-CT 600	600 - 23-5/8"	**Fully tileable** seamless Cover	1
STL-CT 700	700 - 27-9/16"	**Fully tileable** seamless Cover	1
STL-CT 800	800 - 31-1/2"	**Fully tileable** seamless Cover	1
STL-CT 900	900 - 35-7/16"	**Fully tileable** seamless Cover	1
STL-CT 1000	1000 - 39-3/8"	**Fully tileable** seamless Cover	1
STL-CT 1200	1200 - 47-1/4"	**Fully tileable** seamless Cover	1

COVER **TILEABLE**

Article	Length (mm - in)	Description	Pc.
STL-CTF 600	600 - 23-5/8"	Tileable cover **with internal frame** in Stainless Steel AISI 316	1
STL-CTF 700	700 - 27-9/16"	Tileable cover **with internal frame** in Stainless Steel AISI 316	1
STL-CTF 800	800 - 31-1/2"	Tileable cover **with internal frame** in Stainless Steel AISI 316	1
STL-CTF 900	900 - 35-7/16"	Tileable cover **with internal frame** in Stainless Steel AISI 316	1
STL-CTF 1000	1000 - 39-3/8"	Tileable cover **with internal frame** in Stainless Steel AISI 316	1
STL-CTF 1200	1200 - 47-1/4"	Tileable cover **with internal frame** in Stainless Steel AISI 316	1

FRAME

STAINLESS STEEL **AISI 316**

Article	Length (mm - in)	Description	Pc.
STL-F 600	614 - 24-11/64	Frame in **Stainless Steel AISI 316** - **Polished**	1
STL-F 700	714 - 28-7/64	Frame in **Stainless Steel AISI 316** - **Polished**	1
STL-F 800	814 - 32-3/64	Frame in **Stainless Steel AISI 316** - **Polished**	1
STL-F 900	914 - 35-63/64	Frame in **Stainless Steel AISI 316** - **Polished**	1
STL-F 1000	1014 - 39-59/64	Frame in **Stainless Steel AISI 316** - **Polished**	1
STL-F 1200	1214 - 47-51/64	Frame in **Stainless Steel AISI 316** - **Polished**	1

ANODIZED ALUMINUM ALU+

Article	Length (mm - in)	Description	Pc.
STL-F 600 *	614 - 24-11/64	Frame in Anodized Aluminum **ALU+** - ***AT/*AR/*AO**	1
STL-F 700 *	714 - 28-7/64	Frame in Anodized Aluminum **ALU+** - ***AT/*AR/*AO**	1
STL-F 800 *	814 - 32-3/64	Frame in Anodized Aluminum **ALU+** - ***AT/*AR/*AO**	1
STL-F 900 *	914 - 35-63/64	Frame in Anodized Aluminum **ALU+** - ***AT/*AR/*AO**	1
STL-F 1000 *	1014 - 39-59/64	Frame in Anodized Aluminum **ALU+** - ***AT/*AR/*AO**	1
STL-F 1200 *	1214 - 47-51/64	Frame in Anodized Aluminum **ALU+** - ***AT/*AR/*AO**	1

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

BRIGHT POLISHED BRUSHED ALUMINUM ALU+

Article	Length (mm - in)	Description	Pc.
STL-F 600 *	614 - 24-11/64	Frame in bright polished brushed **ALU+** - ***ASSB/*ATSB/*ARSB/*AOSB**	1
STL-F 700 *	714 - 28-7/64	Frame in bright polished brushed **ALU+** - ***ASSB/*ATSB/*ARSB/*AOSB**	1
STL-F 800 *	814 - 32-3/64	Frame in bright polished brushed **ALU+** - ***ASSB/*ATSB/*ARSB/*AOSB**	1
STL-F 900 *	914 - 35-63/64	Frame in bright polished brushed **ALU+** - ***ASSB/*ATSB/*ARSB/*AOSB**	1
STL-F 1000 *	1014 - 39-59/64	Frame in bright polished brushed **ALU+** - ***ASSB/*ATSB/*ARSB/*AOSB**	1
STL-F 1200 *	1214 - 47-51/64	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 - in)	Description	Pc.
STL-F 600 *	614 - 24-11/64	Frame in bright polished **ALU+** - ***AORB**	1
STL-F 700 *	714 - 28-7/64	Frame in bright polished **ALU+** - ***AORB**	1
STL-F 800 *	814 - 32-3/64	Frame in bright polished **ALU+** - ***AORB**	1
STL-F 900 *	914 - 35-63/64	Frame in bright polished **ALU+** - ***AORB**	1
STL-F 1000 *	1014 - 39-59/64	Frame in bright polished **ALU+** - ***AORB**	1
STL-F 1200 *	1214 - 47-51/64	Frame in bright polished **ALU+** - ***AORB**	1

Finishes: ***AORB** = Pink Gold

BRUSHED ALUMINUM ALU+

Article	Length (mm - in)	Description	Pc.
STL-F 600 *	614 - 24-11/64	Frame in brushed **ALU+** - ***AGRS/*AMSB**	1
STL-F 700 *	714 - 28-7/64	Frame in brushed **ALU+** - ***AGRS/*AMSB**	1
STL-F 800 *	814 - 32-3/64	Frame in brushed **ALU+** - ***AGRS/*AMSB**	1
STL-F 900 *	914 - 35-63/64	Frame in brushed **ALU+** - ***AGRS/*AMSB**	1
STL-F 1000 *	1014 - 39-59/64	Frame in brushed **ALU+** - ***AGRS/*AMSB**	1
STL-F 1200 *	1214 - 47-51/64	Frame in brushed **ALU+** - ***AGRS/*AMSB**	1

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

POWDER COATED ALUMINUM ALU+

Article	Length (mm - in)	Description	Pc.
STL-F 600 *	614 - 24-11/64	Frame in powder coated **ALU+** - ***AM11/*A65**	1
STL-F 700 *	714 - 28-7/64	Frame in powder coated **ALU+** - ***AM11/*A65**	1
STL-F 800 *	814 - 32-3/64	Frame in powder coated **ALU+** - ***AM11/*A65**	1
STL-F 900 *	914 - 35-63/64	Frame in powder coated **ALU+** - ***AM11/*A65**	1
STL-F 1000 *	1014 - 39-59/64	Frame in powder coated **ALU+** - ***AM11/*A65**	1
STL-F 1200 *	1214 - 47-51/64	Frame in powder coated **ALU+** - ***AM11/*A65**	1

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

STAINLESS STEEL **AISI 316**

Article	Length (mm - in)	Description	Pc.
STL-FW 600 ILM	614 - 24-11/64	Flush wall frame in **Stainless Steel AISI 316** - **Polished**	1
STL-FW 700 ILM	714 - 28-7/64	Flush wall frame in **Stainless Steel AISI 316** - **Polished**	1
STL-FW 800 ILM	814 - 32-3/64	Flush wall frame in **Stainless Steel AISI 316** - **Polished**	1
STL-FW 900 ILM	914 - 35-63/64	Flush wall frame in **Stainless Steel AISI 316** - **Polished**	1
STL-FW 1000 ILM	1014 - 39-59/64	Flush wall frame in **Stainless Steel AISI 316** - **Polished**	1
STL-FW 1200 ILM	1214 - 47-51/64	Flush wall frame in **Stainless Steel AISI 316** - **Polished**	1

SPARE PARTS

Article	Description	Pc.
STLSPARE0001	Height adjustable pedestals STL - BL/BS/BV 600 - 700 - 800	8
STLSPARE0002	Height adjustable pedestals 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	XSTLSCI - Frame supports in stainless steel	12
STLSPARE0006	XSTLSCA - 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;
- 2 pcs EPS supports;
- Hair trap;
- Cover remover key;
- Instruction, use and maintenance manuals.

COVER

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

FRAME

- 2 metal strips corresponding to the length of the chosen linear drain;
- 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.
- 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

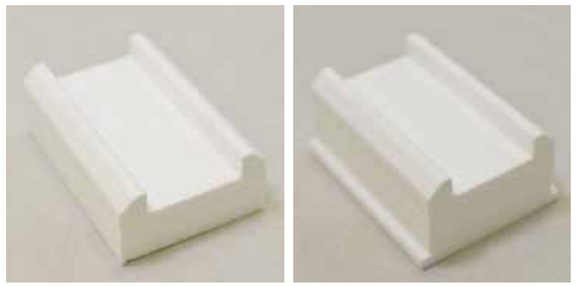
Waterproofing the walls: before doing so make sure they are flat, clean, and smooth.

Spread the thin-set mortar, 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.

Install the Foiltec T20 pipe fitting to waterproof around the pipe connections.

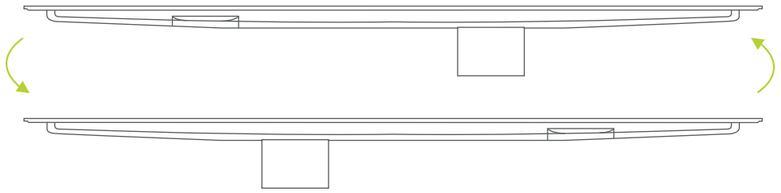
Determine the installation height you want to achieve by considering the height of the channel, the thin-set mortar and the thickness of the flooring.

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



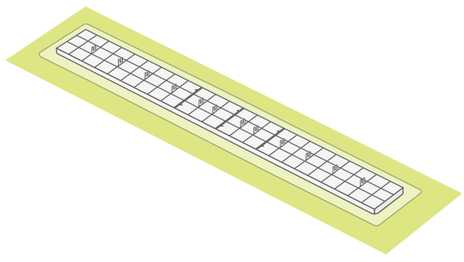
For installations with heights up to 56 mm (2 3/16"), remove the first layer of the bottom of the EPS supports, following the pre-cuts.

For installations with heights up to 73 mm (2 7/8") do not break any layers.



The channel with off-center drain can be installed with the drain to the right or to the left, by simply rotating it by 180°, in order not to fall on the wooden joists.

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 SCREED

Components:

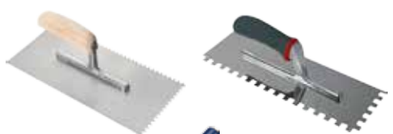
- Channel body STL - BC (center) or STL - BO (off-center)

- Foiltec membrane and accessories (according to the installation)

- Cover (grid) and Frame (optional frame)

Tools:

- Notched trowels 5 x 5 mm (3/16 x 3/16") and 10 x 10 mm (3/8 x 3/8")



- 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 cm (2") diameter.

Check the height of the finished floor, considering waterproofing, tile thickness, thin-set mortar, 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.

Note: 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.

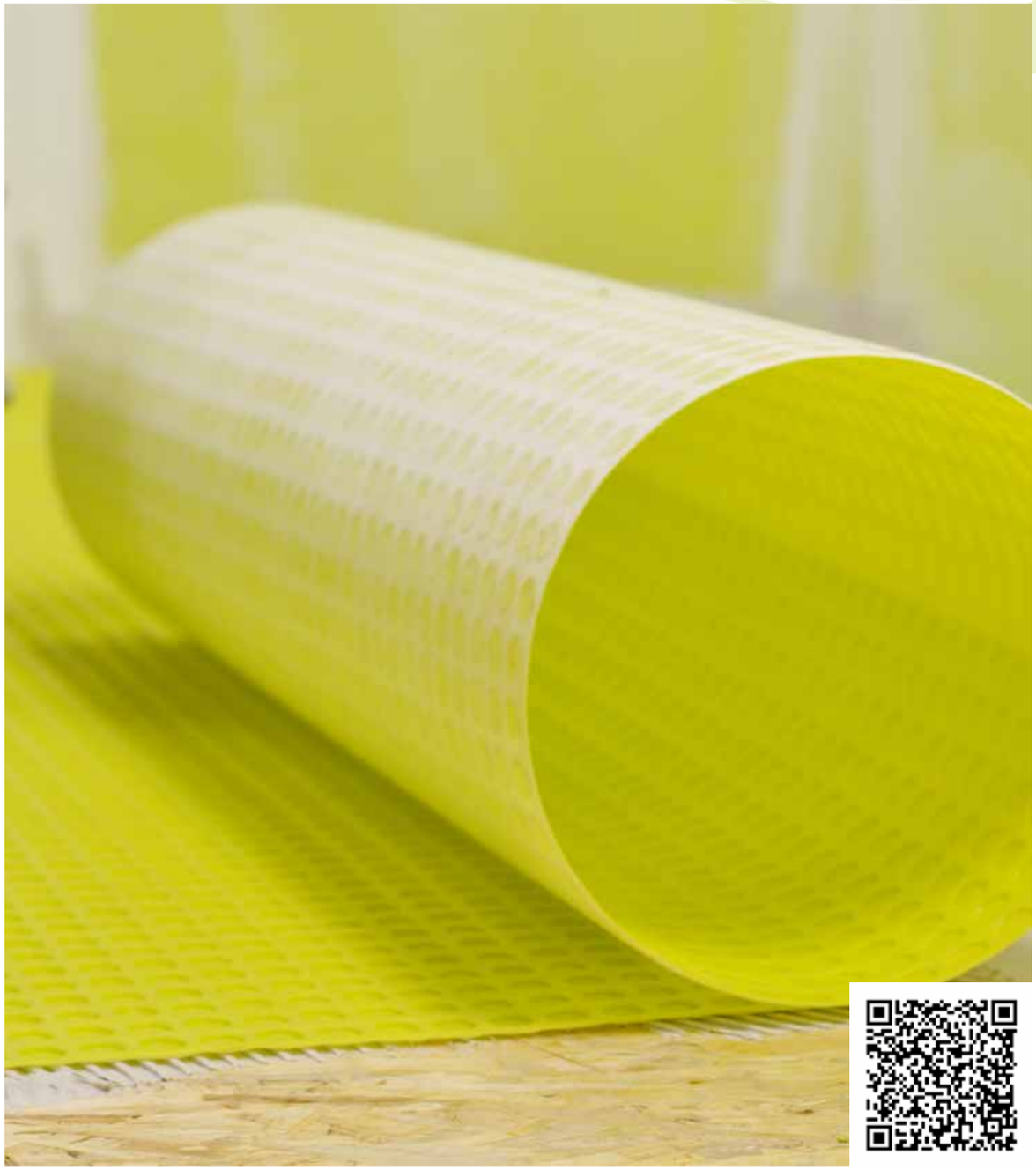
Make the screed by filling also the spaces underneath the channel, until reaching the drain flange.

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.

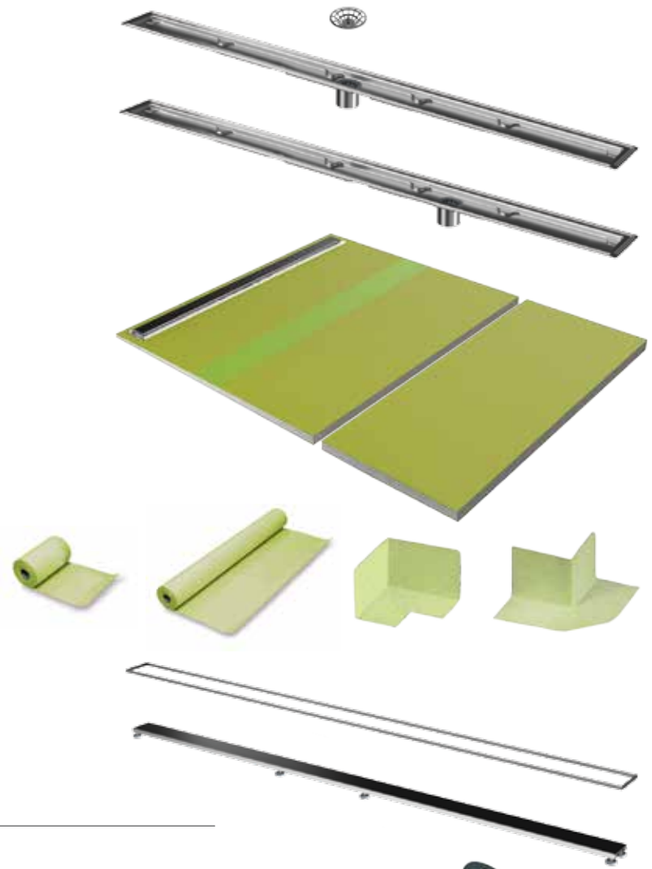


Find out more on the Floortec membrane. Scan the QR code.

PRE-SLOPED TRAY INSTALLATION

Components:

- Channel body STL - BC (center)
  STL - BO (off-center)
  (according to the installation)
- 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 (3/16 x 3/16″)
  and 10 x 10 mm (3/8 x 3/8″)
- 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 (2″) diameter.

Check the height of the finished floor, considering waterproofing, tile thickness, thin-set mortar, 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 (23 5/8″), 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 you cannot access the plumbing system, pick one of the two following solutions.

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

1st solution: no access to the plumbing system

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.

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.

Measure the hole in the floor and if the coupler is insufficient, add another junction.

Widen the existing hole in the shower tray by following the indicated marks, to insert the no-hub coupling. There are 3 circular marks: One in the center and two on the sides for the off-center drain on the right or on the left. Only cut on the relevant part.

Install the pre-sloped tray with thin-set mortar on the substrate, 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.

Install and secure the no-hub coupling to the channel drain.

If necessary, add an additional junction.
Check that the channel correctly connects to the drain of the plumbing system.

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

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 28)

"We suggest to use Floortec uncoupling membrane for a state of the art installation.
It must be cut before laying down."

Spread the thin-set mortar, using a notched trowel, glue the Floortec and press well with a rubber trowel, to ensure correct adhesion.

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.

N.B. Make sure clamps are tightened in the case you are using a no-hub coupling

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

2nd solution: no access to the plumbing system

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 a second hole on the floor in line with the existing one for the shower drain. Make sure you keep the piece of wood to later close the hole.

Use a jigsaw to cut the shower tray, following the mark on the front part.

Check the height compared to the finished floor and the thin-set mortar and position the tray part you have just cut, close to the wall.

Install and secure the coupling to the drain of the channel body.

Fasten the first screw of the sleeve to the channel drain.

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.

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

Fasten the second screw of the sleeve on the channel, accessing through the second hole on the floor.

Close the second hole and glue the rest of the shower tray. (For more information on waterproofing see page 28)

"We suggest to use Floortec uncoupling membrane for a state of the art installation.
It must be cut before laying down."

Spread the thin-set mortar, using a notched trowel, glue the Floortec and press well with a rubber trowel, to ensure correct adhesion.

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.

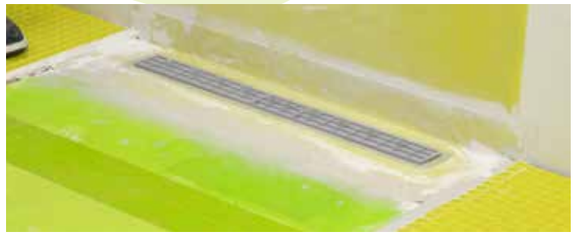
During renovations, a ramp accessory is also available, STL-RAMP, to compensate for the difference in level between tray and floor.

N.B. Make sure clamps are tightened in the case you are using a no hub coupling

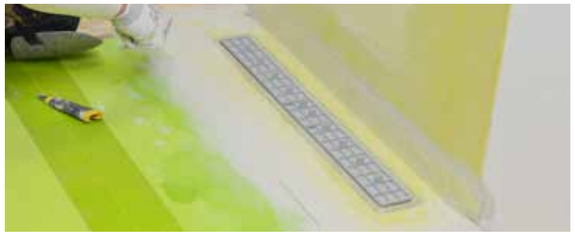
Note: ensure that the construction plug is properly installed.

TRAY WATERPROOFING

Spread the thin-set mortar on the surface around the channel, using a 5 x 5 mm (3/16 x 3/16") 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.

The Showertec Linear TRAY is already waterproof. It is important to apply the sealing strip overlapping the junctions.

Cut the Foiltec sealing strips to the correct size along the walls. Spread the thin-set mortar with a 5 x 5 mm (3/16 x 3/16") trowel, lay the strips using a smooth trowel.

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 thin-set mortar on the surface around the channel, using a 5 x 5 mm notched trowel. Proceed with waterproofing the entire surface where the screed is present. Install the corner pieces and spread the Foiltec strip on the joints between the screed and the floor.

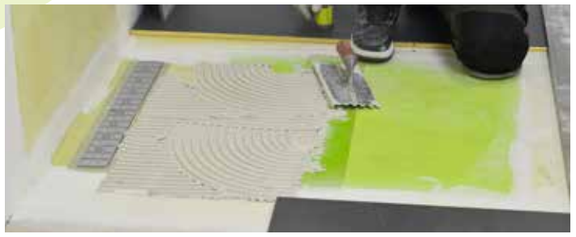
Note: all joints must be performed with overlapping of the membrane of 5 cm (2") on the same surface and of 10 cm (4") between walls and floor.

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

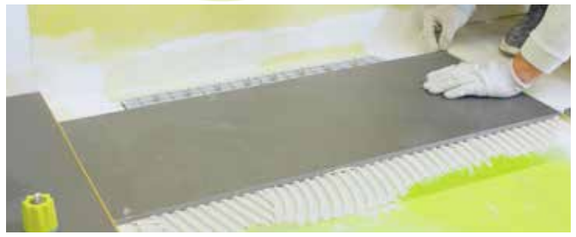
Proceed with waterproofing the entire surface where the screed is present. Before installation, cut the Foiltec membrane to measure.

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

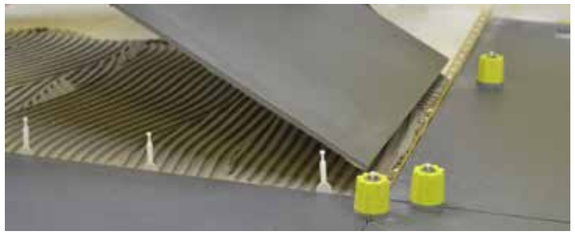
PRELIMINARY OPERATIONS



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.

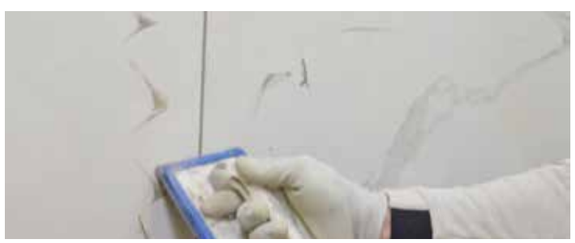


Proceed tiling the entire remaining floor with the Leveltec system to avoid unpleasant lippage.

Wait as long as necessary for the thin-set mortar 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.

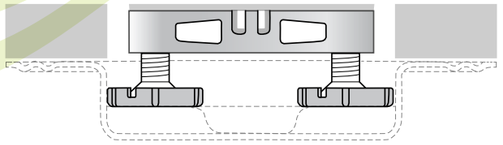
Clean the cavity of the channel from any residual mortar or dust and make sure they do not fall in the drain.

Place the hair trap inside the drain hole.

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

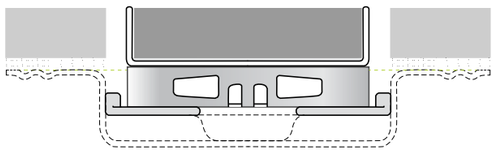
COVER METAL INSTALLATION



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.

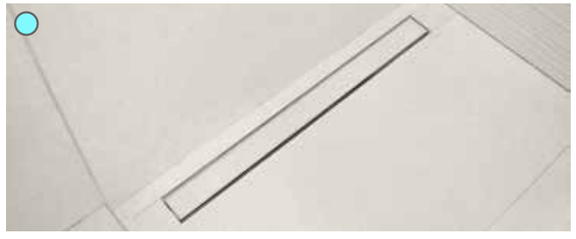
COVER TILEABLE INSTALLATION



Cut the tile to measure and to fit the metal frame.

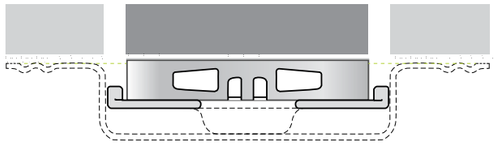
Spread the silicone inside the support and place the cut tile, press firmly to facilitate sealing.

Silicone the joints between tile and metal frame.



Place the cover inside the channel.

COVER INVISIBLE INSTALLATION

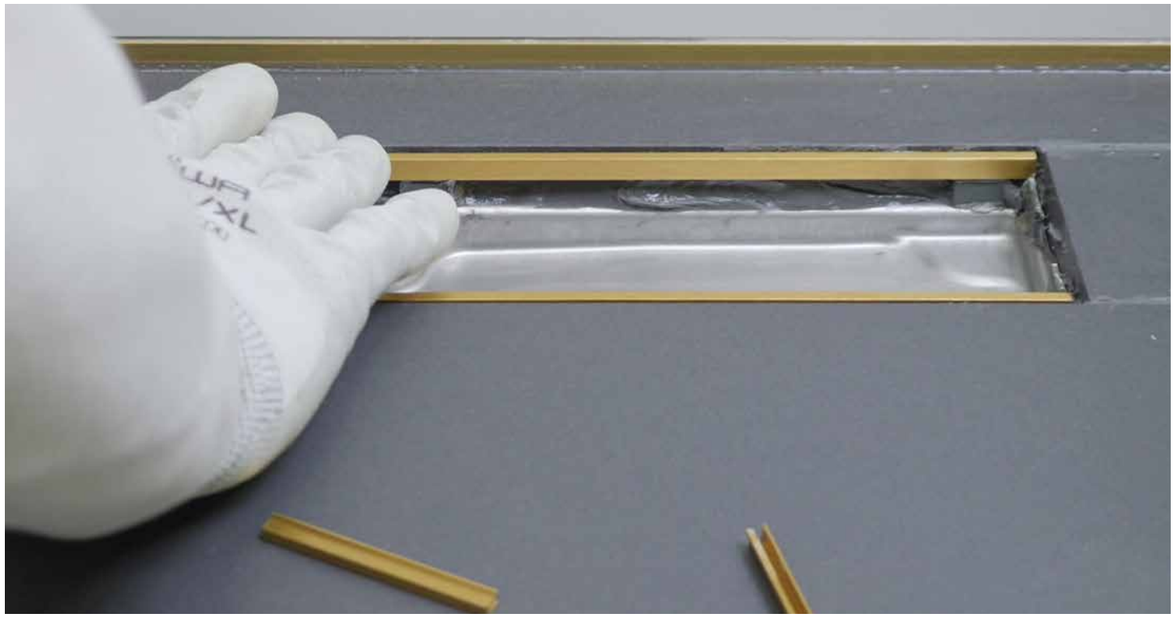


Take the cover support and cut the tile to measure according to the exact size of the metal frame. Glue it into the cover support.

Place the cover inside the channel.

Note: External aluminum frame section

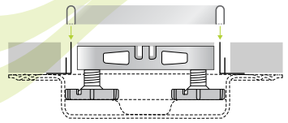
With the aluminum frame, the side with the notch shall be placed outwards from the drain, to have a uniform tile spacing on all sides (5 mm - 3/16"), and to better fix the frame under the grout to keep it in place.

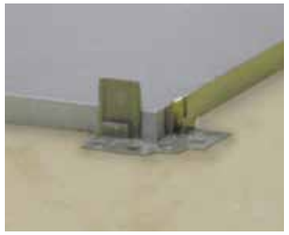


Note: External steel frame section

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

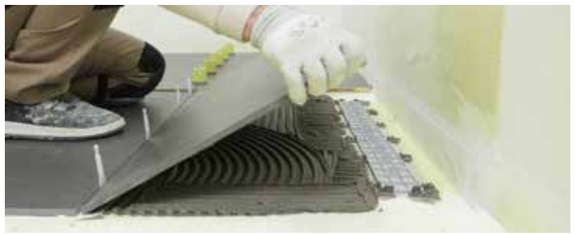
EXTERNAL FRAME





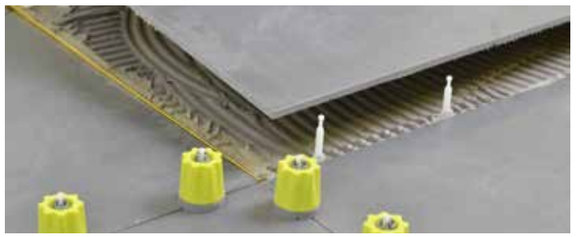
Use a cutter to cut the heads of the supports at least 1 mm (1/16") below the level of the tiles. The supports have lines every 2 mm (3/32").

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 (4-6") 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.

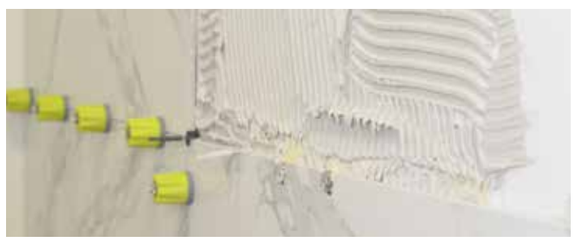
Install the tiles, with thin-set mortar, surrounding the channel with the correct slope for the water to flow towards the drain.



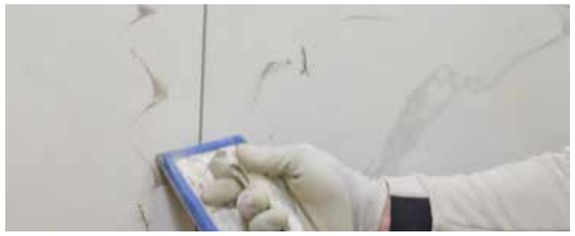
Proceed to tile the entire remaining floor with the Leveltec installation system to avoid unpleasant lippage.

Wait till the thin-set has cured.

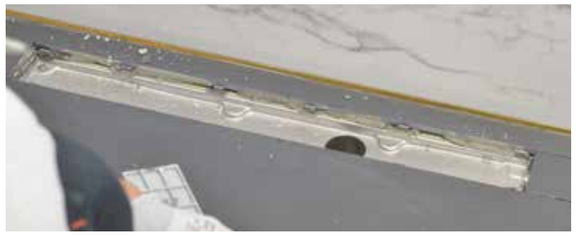
Remove the Leveltec caps with a single hit along the direction of the joint.



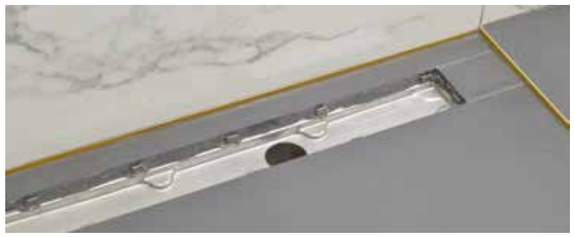
Spread the thin-set mortar on the walls and seal.



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.

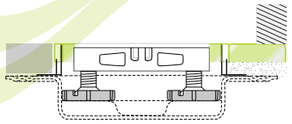
Place the hair trap inside the drain hole.

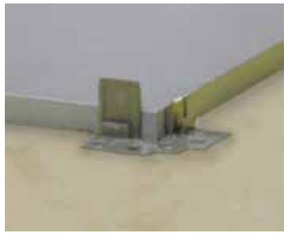
Place the frame by fitting it in the supports until it is level with the floor.

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.

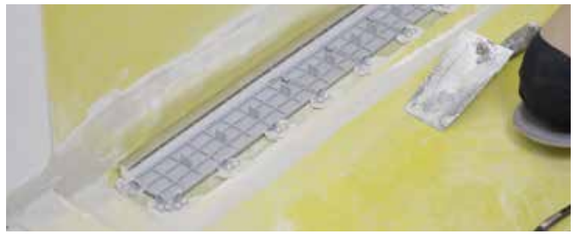
Place the cover inside the channel.

WALL FRAME



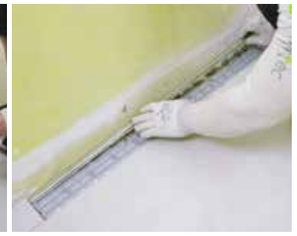


Use a cutter to cut the heads of the supports at least 1 mm (1/16") below the level of the tiles. The supports have lines every 2 mm (3/32").



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 (4-6") along the 3 sides of the drain.

Install the tiles, with thin-set mortar, surrounding the channel They must be positioned against the lower flaps of the frame supports, without covering them.



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

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

Wait as long as necessary for the thin-set mortar 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.

Silicone the joints between the walls, then 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.

profilitec

positive profile

Profilitec S.p.A.

Via Scotte, 3
36033 Isola Vicentina
(Vicenza) Italy

profilitec@profilitec.com

+39 0444 268311

Profilitec Corp.

472 Meeting Street
Suite C - #301
Charleston, SC 29403
USA

customerservice@profilitec.com

tool free:
+1 855 290 9591

www.profilitec.com