TIL-TAK
LIGHT

100% waterproof draining system for balconies

Assembly instructions

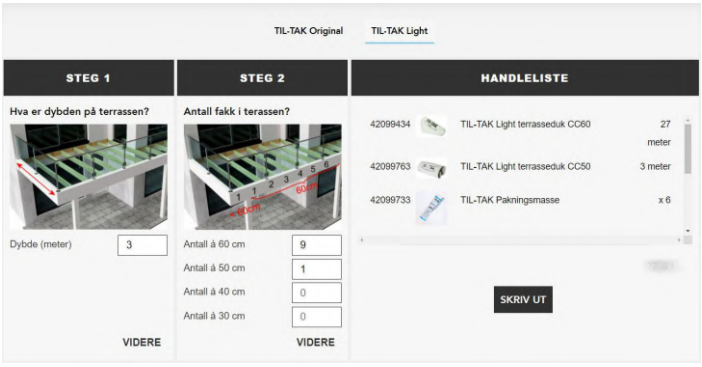
www.til-tak.no

TIL-TAK draining systems offer many possibilities:

- Sports booth / conservatory (together with termPIR insulation boards)
- Pleasant patio under the balcony
- Carport under the balcony
- Draining the water away from the foundation wall
- Prevent weeds growing up through the patio floor

Calculator

Find out what you need at **www.til-tak.no**



Characteristics:

- The canvas has standard widths that fit center distance: CC / 30/40/50/60 cm
- UV resistant
- Non-flammable
- Does not make noise in winds
- Long lifetime

On new buildings :

Use minimum 25 cm wide asphalt strip on top of the beams.

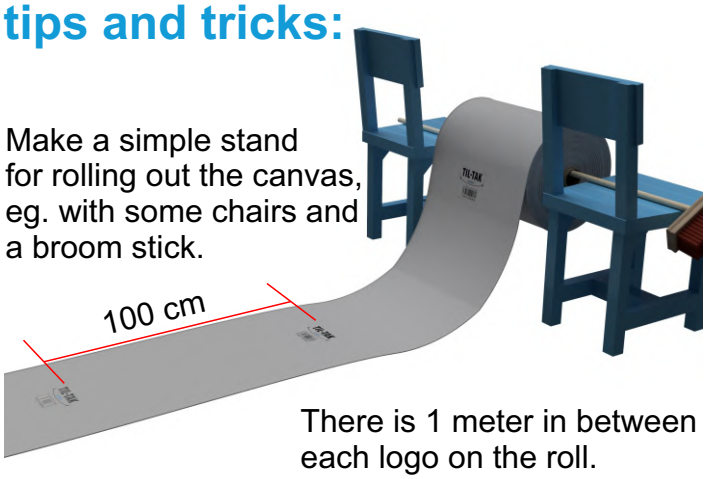
- the asphalt strip protects the beams and leads water straight down on to the canvas.
- the asphalt strip replaces TIL-TAK sealant.

TIL-TAK together with composite boarding

Whith assembly of composite floorboards that require narrower beam spacing, TIL-TAK Light will be the best alternative.
With a foundation asphalt strip on top of the beams, you also get a 100% waterproof solution with concealed fitting of deck

tips and tricks:

Make a simple stand for rolling out the canvas, eg. with some chairs and a broom stick.



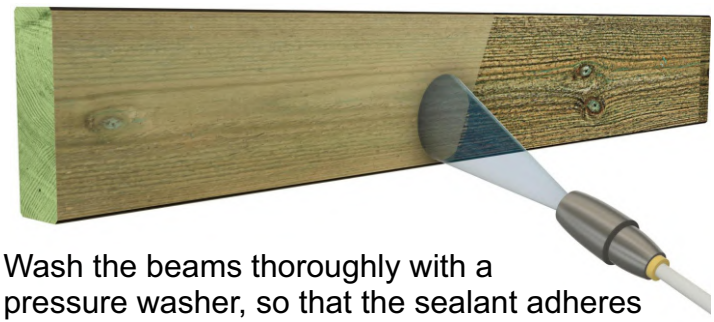
There is 1 meter in between each logo on the roll.

Feel free to mount the gutter to the front board BEFORE this is assembled.
This makes the assembly considerably simpler.

PREPARATION

TIL-TAK sealant

TIL-TAK sealant is the only sealant approved used together with TIL-TAK draining systems!

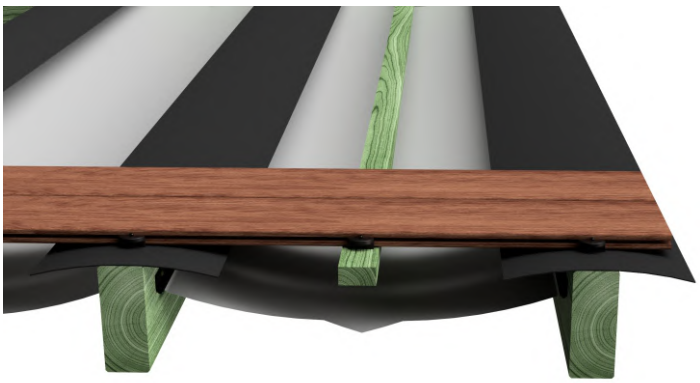


Wash the beams thoroughly with a pressure washer, so that the sealant adheres well on the wood. The surface should not be wet when the profile strips are being mounted.

IMPORTANT DETAILS

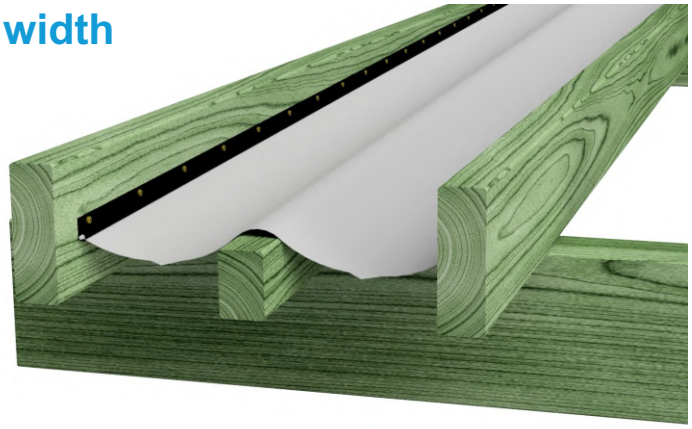
NOTE!
When fitting without asphalt strips, the work needs to be carried out at temperatures above 0° C!

Bracing the balcony floorboards



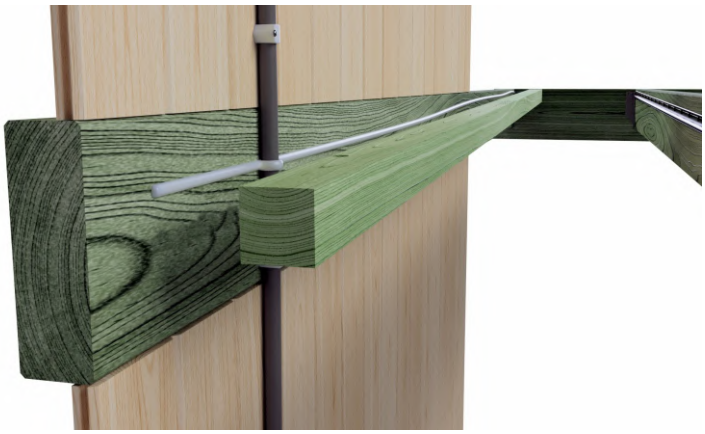
To achieve extra bracing of the floorboards you can place a lath in the center underneath, which binds all the floorboards together.

No standard width



When you have too much canvas in relation to the space to be filled, the solution may be to lift the canvas at the center with a batten.

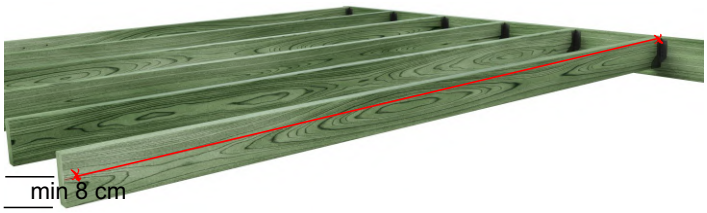
Passing obstacles:



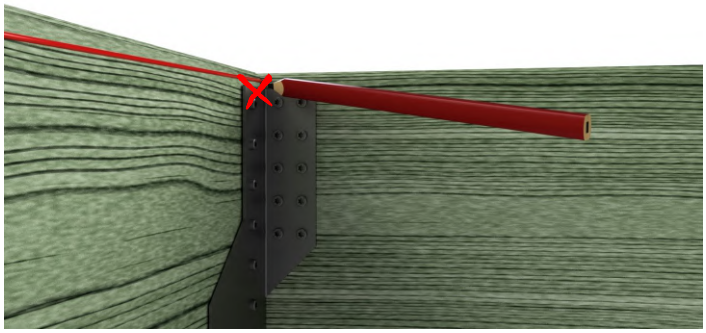
To get past cables or other obstacles, you can adjust with a customized lath to fit the next appropriate canvas width.

Plenty of sealant must be used between the lath and the beam, as well as around the relevant obstacle.

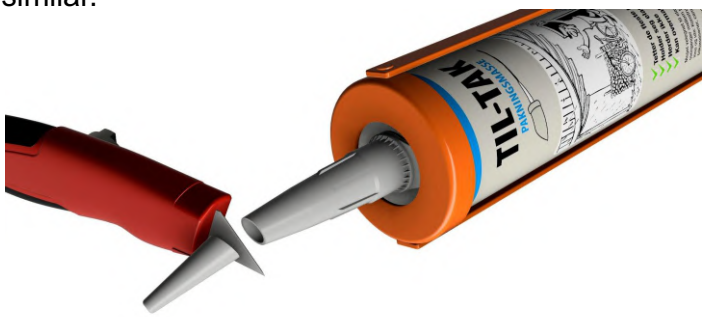
INSTALLATION OF THE PLASTIC PROFILES



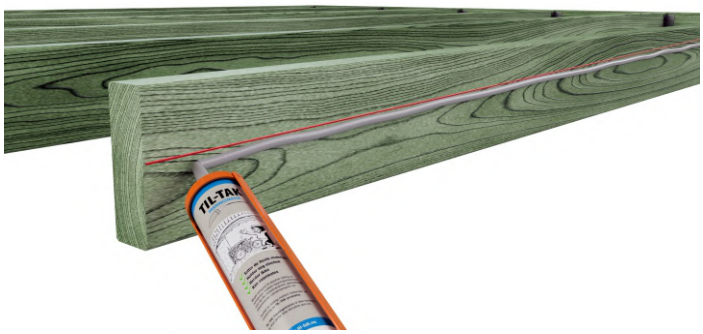
Draw a mark at each end of the beams, where the plastic profiles are meant to be mounted. Minimum drop: 1 cm per meter. Mark a straight line between the two points. Use a chalk string, a straight lath or similar.



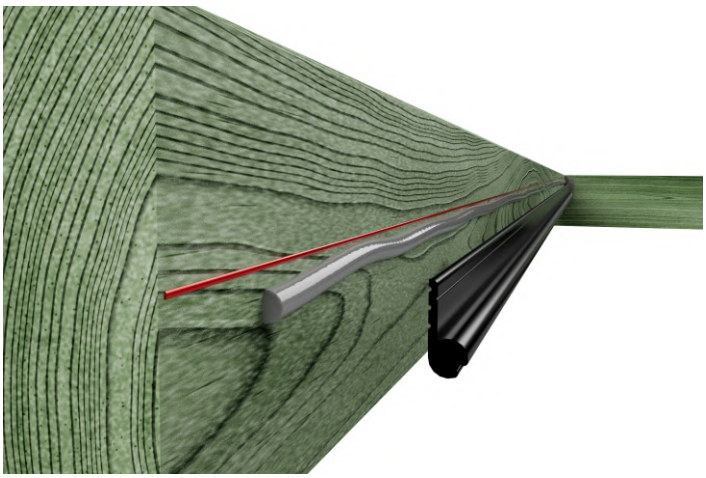
Towards the wall, the mark is placed at the very top of the beam.



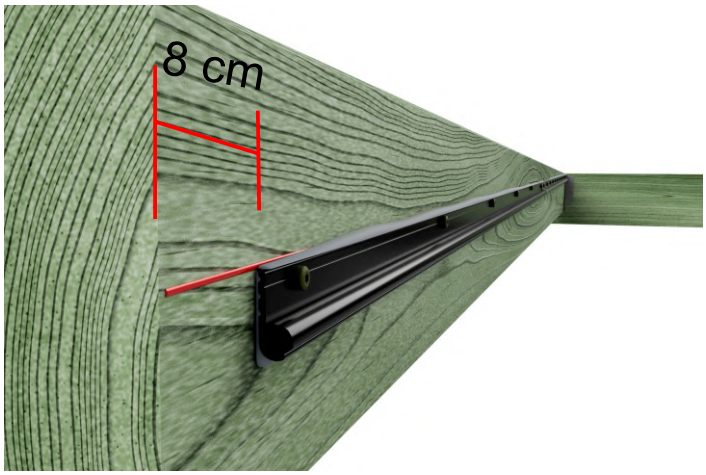
Cut the cartridge as shown. Opening should be 8-9 mm



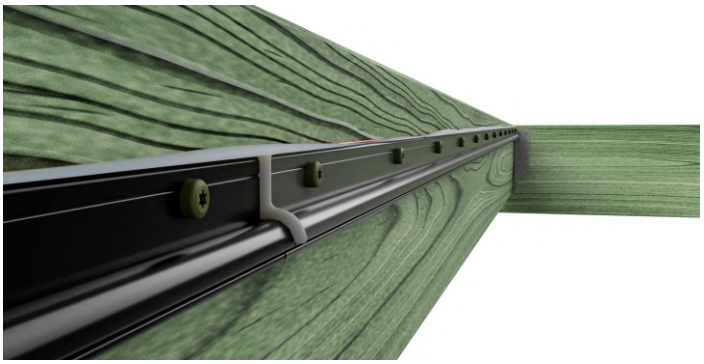
Apply the sealant below the line on the beams.



Press the plastic profiles along the line and fasten with TIL-TAK Light screws every 20 cm.
Max 3 cm from each end of the profile.



Mark the distance from the end of the plastic profile to the front edge of the beam to about 8 cm, so that the drip from the canvas may end up approximately in the center of a possible gutter.

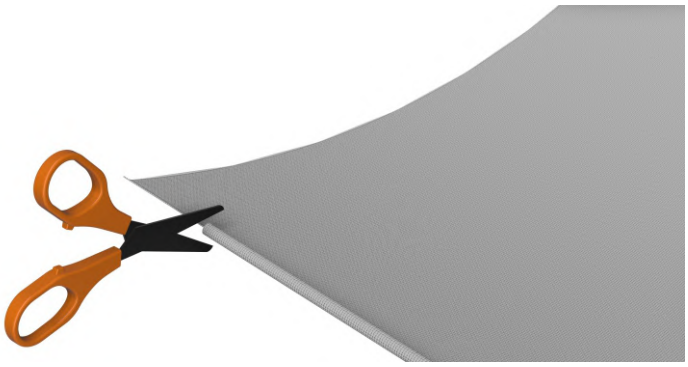


Apply sealant over the groove of the plastic profiles of each joint.

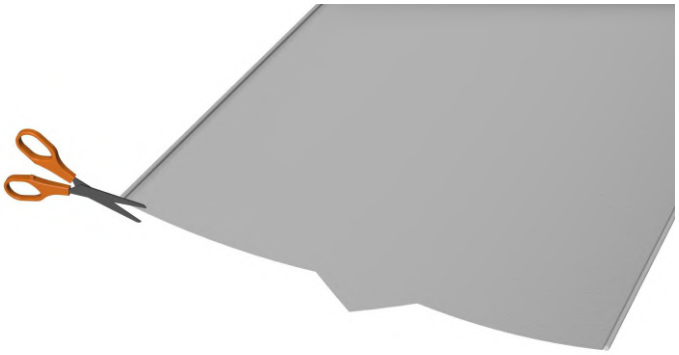
Then squeeze the sealant with your finger

INSTALLATION OF THE CANVAS

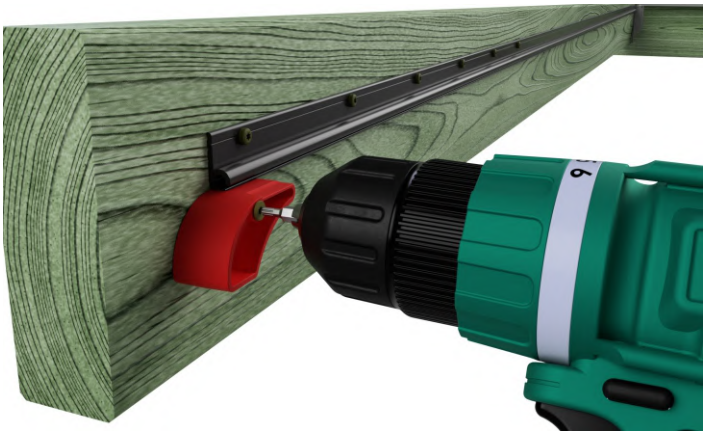
Each canvas length must be at least 8 cm longer than the fitted plastic profiles



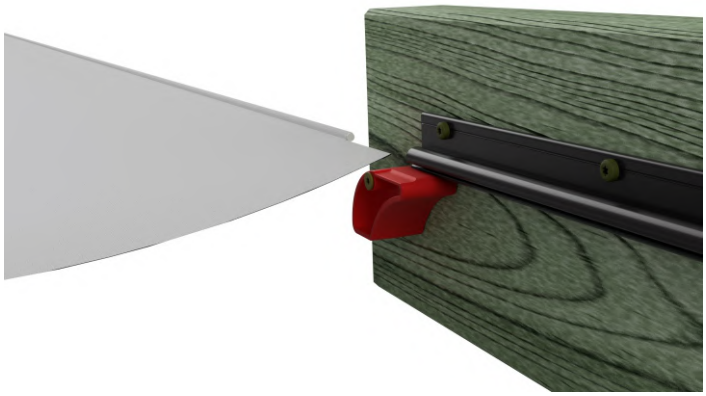
Cut away about 5 cm of the cord on each side of the canvas. This extra canvas can then be folded up against the house wall.



Cut an "arrow" at the other end of the canvas. This will prevent water to migrate back underneath the canvas.

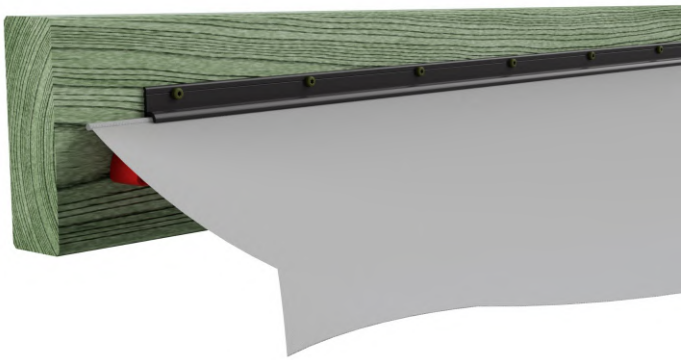


Attach **«Håndtlangeren»** in front of the plastic profiles

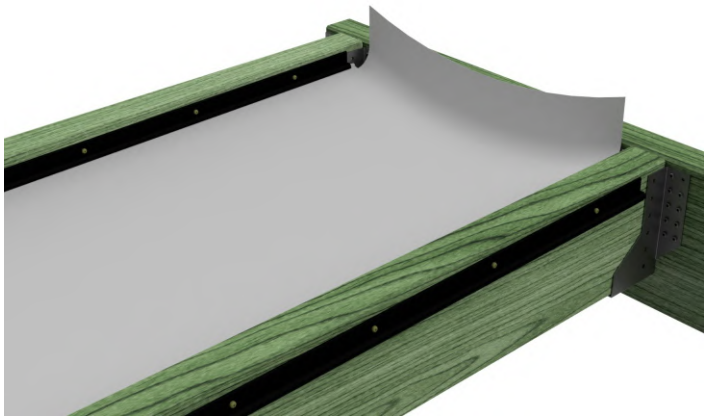


Pull the canvas into the groove of the plastic profile. **«Håndtlangeren»** guides the canvas to enter the plastic profile.

NOTE! It is of crucial importance that the canvas is pulled in with the correct side up; «arrow» should naturally face downwards!
If the canvas is pulled in the wrong way, the «arrow» will point upwards, and water will flow back underneath the canvas!

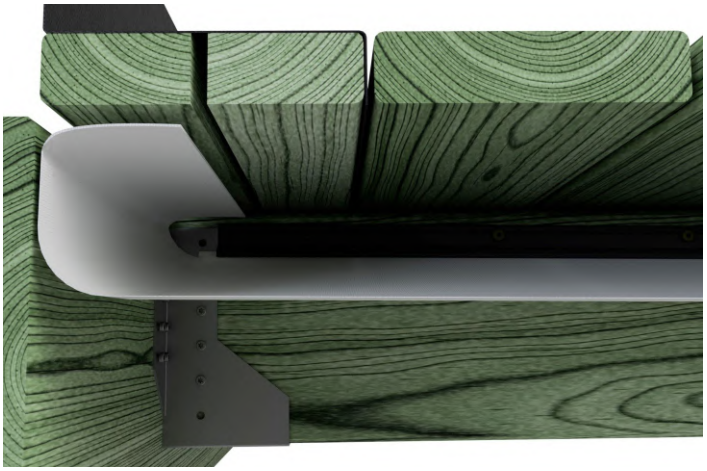


Pull the canvas into the slide. Make sure that the canvas is pulled into the plastic profiles with «arrow» pointing down!

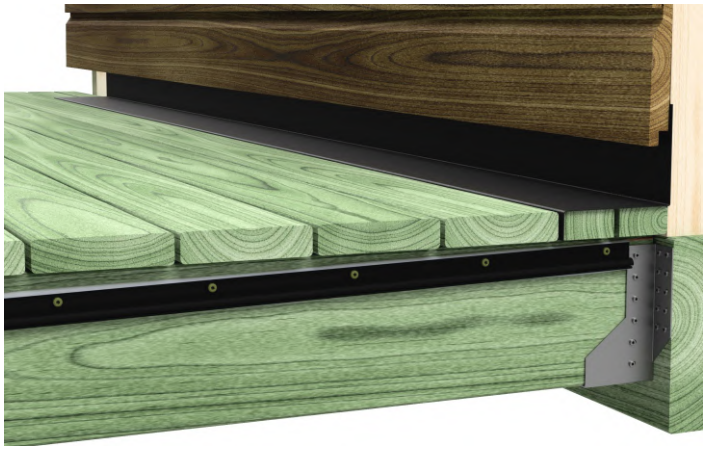


The canvas should be pulled all the way towards the wall and then be folded up towards it at the end.

INSTALLATION OF THE CANVAS

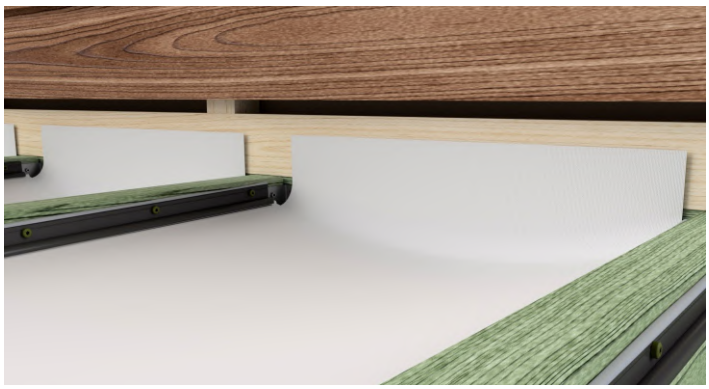


For retrofitting, fold the canvas underneath the floorboards, and it will remain in this position due to tension against the floorboards.



A terrace fittings are to be used towards the wall. When you retrofit, it is important to split the floorboard under the fittings! This will prevent water from being sucked towards and into the wall.

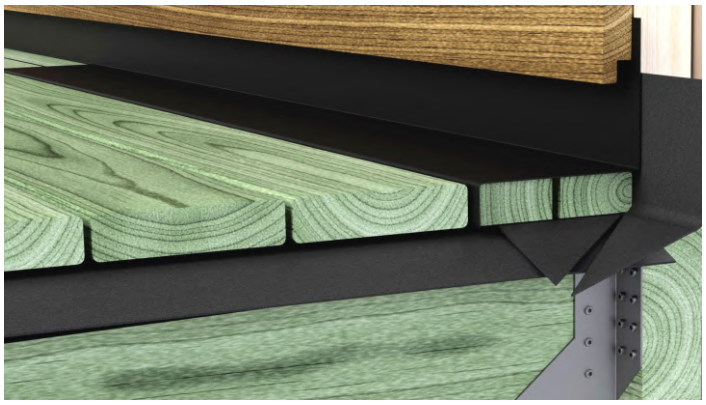
INSTALLATION FOR NEW BUILDINGS



For new buildings, it is recommended to cut off more of the cord on the canvas.This way you get a larger tab that can be attached further up on the wall.

Use a 25 cm TIL-TAK asphalt strip in between wall and balcony. Make diagonal cuts in the strip as shown. It will curve downwards and the water will drain off.

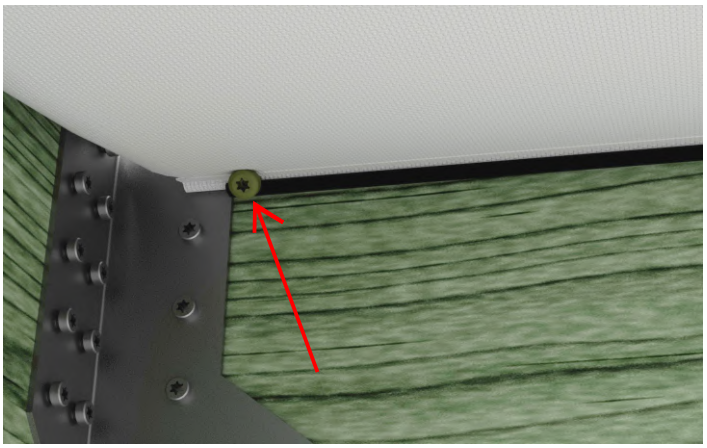
Use a 25 cm asphalt strip on top of the beams towards the wall. It is important that the strip bends down on each side of the beam.



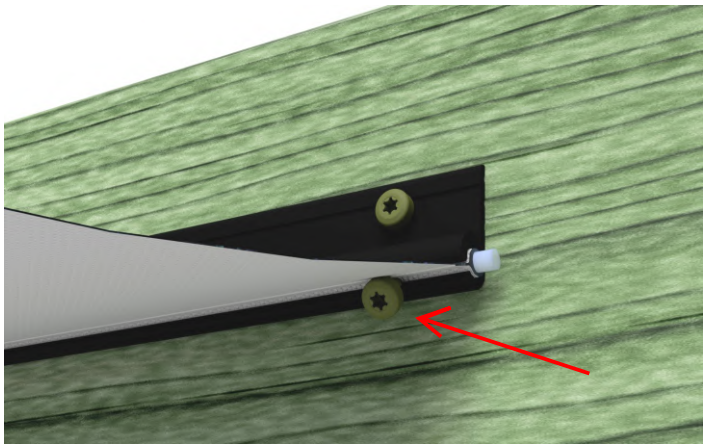
With a terrace fitting covering the last deck board you will achieve double security.
It stops the water from penetrating, and a nice transition between floor and wall is made.

STRETCHING THE CANVAS

Stretching is important to minimize wrinkles and creases that occur on the canvas.

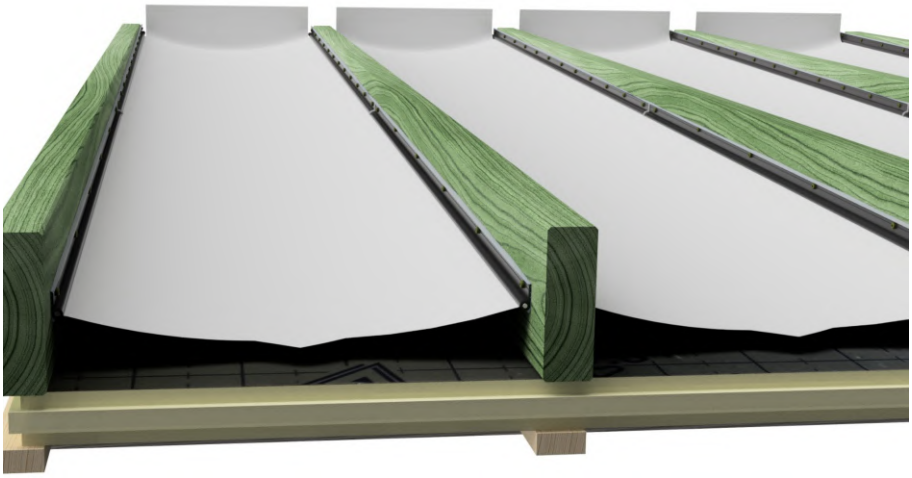


Attach a screw through the canvas on to the plastic profiles on each side towards the wall.

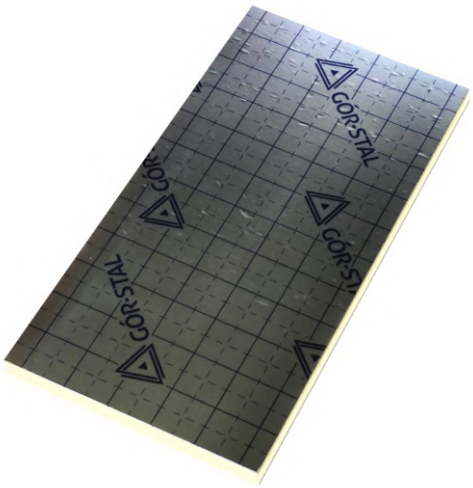


Then stretch the canvas towards the outer edge and place a screw on that end as well.

MAKING ROOMS UNDER THE BALCONY

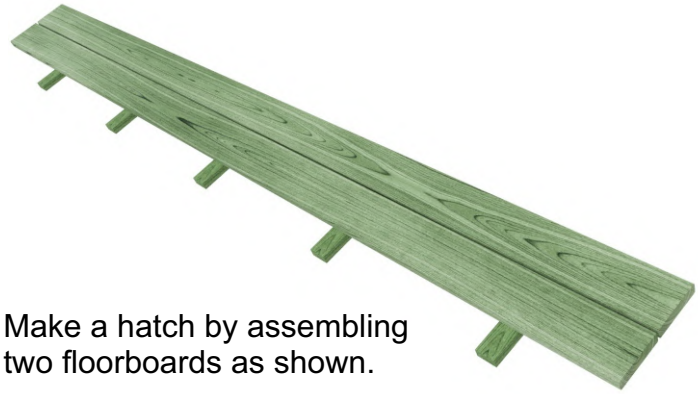


When the space under the balcony is intended for rooms, e.g. conservatory or storage room, you can insulate with **termPIR** insulation boards underneath the beams. The boards works as moisture-resistant suspended ceiling and insulation.

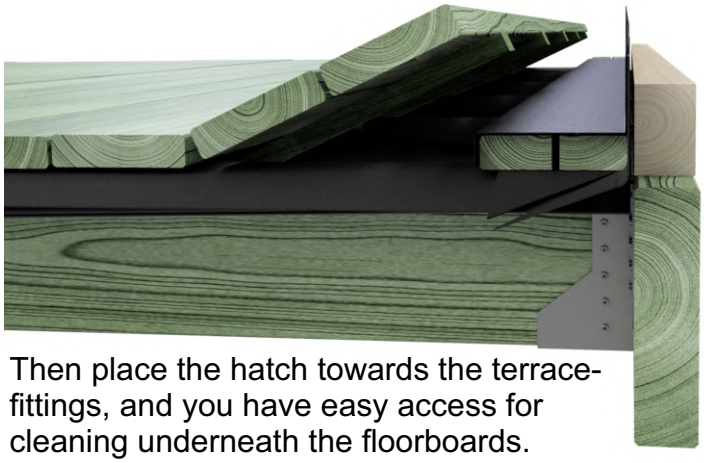


50 mm **termPIR** insulation boards with aluminum coating on each side equally insulates as much as 100 mm mineral wool.

Cleaning / maintenance



Make a hatch by assembling two floorboards as shown.



Then place the hatch towards the terrace-fittings, and you have easy access for cleaning underneath the floorboards.

TIL-TAK LIGHT

100% waterproof draining system for balcony floors

Technical specs:

TIL-TAK Light	Armored 450g. PVC-canvas			
Width of canvas cm	26	36	46	56
The canvas covers in cm:	23-25	33-35	43-45	53-55
Curving :	Ca. 5 cm. (in center)			
Mounting rails:	1500 x 25 x 12 mm.			
Mounting screws:	4 x 20			

Assembly instructions video:

Get inspired, and check out the possibilities a waterproof balcony can give you!

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