

100% waterproof draining system for balconies



GENERAL INFORMATION

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 water away from the foundation wall
- Prevents weeds growing up through the patio floor

The system consists of:

- Original standard sheets 1 6 with built-in drop
- Original adjustment sheets 1 6 with built-in drop
- TIL-TAK sealant
- TIL-TAK Original screws Standard C4
- TIL-TAK Original screws Stainless A2

TIL-TAK offers 2 types of screws:

- Stainless steel A2 screws with epoc coating
- Steel screws with zinc and epoc coating

These screws are specially designed to withstand the additional stress of such an installation.



Stainless steel screws

You need stainless screws if you are located within a radius of 10 km to the sea (salt water), or if using Royal sealed decking materials.

TIL-TAK sealant

TIL-TAK sealant is the only sealant approved for use together with TIL-TAK draining solutions

Important! cut cartridge tip as shown, 8-9mm opening!

Calculator

Calculate what you need at www.til-tak.no

| | TIL-TAK | Original | TIL-TAK Lig | ht | | | |
|-----------------------------|---------------------------|----------|-------------|----|------------------------------------|---------|-------|
| STEG 1 | STEG 2 | | | | HANDLELISTE | | |
| Hva er dybden på terrassen? | Hvor mange fakk a 60 cm? | | 28851467 | | TIL-TAK Original plate nr 1 | x 10 | i |
| | | | 28851475 | - | TIL-TAK Original plate nr 2 | x 10 | L |
| | 1 1 2 3 4 | | 28851483 | - | TIL-TAK Original plate nr 3 | x 10 | |
| | e ebom | | 28851541 | | TIL-TAK Original Justeringsplate 1 | x 1 | |
| Dybde (meter) 3 | Antall fakk à 60 cm 10 | | (| | | | ×III. |
| | Antall fakk under 60 cm 1 | | | | | 12698 8 | |
| | | | | | SKRIV UT | | |
| VIDERE | VIC | DERE | | | | | |



For inland climates, you can use TIL-TAK normal C4 steel screw, or TIL-TAK A2 Stainless screws, depending on what you prefer.



Remember to apply a THICK strip of TIL-TAK sealant in all places where the sheets are in direct contact with each other. This is absolutely crucial for a fully waterproof result.

GENERAL INFORMATION

To use TIL-TAK Original, the beams must be mounted at CC60 cm. Use adjustment sheets when measuresment are not met.

Braicing the construction by using steel strips or diagonal board covering, as well as sufficient dimensioning of beams, is necessary to provide a rigid and stable construction. An unstable construction will cause noise in the sheets, and fatigue fractures in both sheets and screws.

ALTERNATIVE SOLUTIONS

Concealed terrace board assembly

In case of concealed fitting of deck, the sheets need to be fastened with a lath dimension of 36 - 48 x 98 mm with screws per 30 cm. Make sure the screws for concealed assembly does not go through the lath



CC 60

Water board into the gutter:



When you need to lead the water directly down to the roof-gutter, you can cut and shape the sheets as shown. The extra bend of the sheets must be taken into account already at calculation of quantity, before ordering. Length of the bend is added to the total length of the beam.

ALTERNATIVE SOLUTIONS

Foundation asphalt roll on all edges and transitions



Built-in under the balcony

When you want to make a room from the space underneath the balcony, into e.g. conservatory or warm shed, you can insulate with **termPIR** insulation boards underneath the beams.



TermPIR insulation boards are assembled directly underneath the beams. Then you lower with a lath, before attaching the ceiling that you want. Recessing of downlights is also possible.

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

ASSEMBLING INSTRUCTION



Gutters are attached to the inside of the frontboard before fitting TIL-TAK sheets.



Place the first sheet about 8 cm from the front board. This makes room for any railing posts, and position the dripping in center of the roof-gutter.



Apply a thick string of sealant, as shown above.



Place the next sheet with overlap on the beam. Center the sheets on the beam and attach with nails on each end facing the wall.



Start at the bottom of the fold, then along the sloping edge, and finally along the center of the beam.



Make shure the sheet does NOT curve down in its shallow end. If needed; straighten the curve in the sheet horizontally with a transverse lath, and fasten it between the beams.

Squeezing of sealant into attachements

It is very important that the sealant in the the longitudinal attachements are well compressed. The easiest method is to walk on the sheets along the beams, after the sheets and sealant is placed.



ASSEMBLING INSTRUCTION

Adjustment sheets

Adjustment sheets are intended for end trays, and fits beam spacing between CC30-60 cm.

The adjustment sheets must be assembled AFTER all standard sheets are placed and attached

The width of the sheet is adjusted and cut with a tin scissor or a nibbler.





Start by applying sealant on to the standard sheet, and secure it with nails at each end on the profiled side.



Place a spirit level in the profile bend as instructed above, before attaching the sheet to the beam on the opposite side. Make sure that there is a sufficient drop on the spirit level before attaching.





The edge of the sheet can then be folded and shaped. You can use a 2X4" and a hammer or a smal sledgehammer.

NB! ALL connections around **the adjustment sheets** must be sealed with sealant.

Without Adjustment sheets

If you don't need adjustment sheets but only standard sheets, you can start fitting of the decking boards as soon as first row of sheets are fitted.

Remember to calculate equal overlap on each attachement between the different type of sheets.

IMPORTANT DETAILS

Sealing towards the wall



Towards the wall, squeze a good blob of sealant in the corner of the sheet as shown in picture.



With a terrace fittings, covering the last terrace board you will achieve double security to avoid water penetrating, You also achieve a nice transition towards the wall.



In addition, a 25 cm TIL-TAK asphalt strip should be placed towards the wall as shown above.



If you do not use a asphalt strip towards the wall, it is very important to split the floorboard underneath the terrace fittings. This prevents water from being sucked in between decking and beams. Which in turn can lead to leaks along the wall.



Overlap between rows of sheets

When placing the next row of TIL-TAK sheets, the overlapping should be the same between all the different types of sheets Minimum overlap of 5 cm.



Joining of sheets must be WITHOUT sealant at the bottom of the gutter. This to prevent water from penetrating along sloping edges and from being dammed up behind the sealant, and then finally go the wrong way and create leakage.



Technical specs:

| Sheet thickness: | 0,4 mm | | |
|-------------------------------------|-----------------|--|--|
| Length/Width | 1250 / 680 mm | | |
| Weight per sheet | 2,8 kg | | |
| Minimum overlap | 50 mm | | |
| Drop per meter | 13 mm | | |
| Max drop length in one direction | 7250 mm | | |
| Steel: Hot-dip galvanized and paint | ed DX51D+Z275MA | | |

Assemby instructions video



Be inspired, and check out all the possibilities a waterproof balcony gives you!

100% waterproof draining system for balcony floors



practical innovation



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