

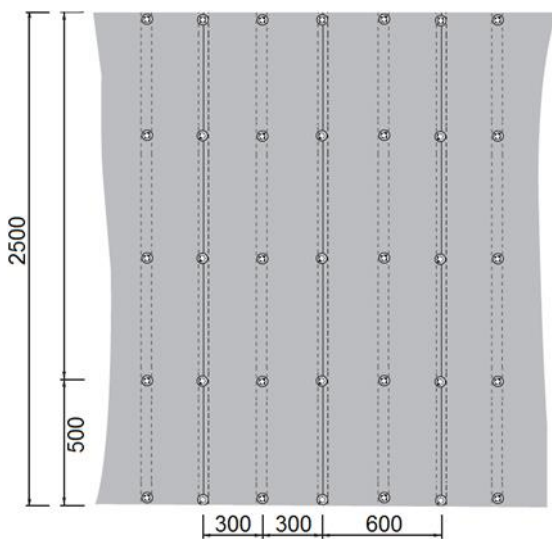
## **TYCROC TWP**

### CUTTING, STORAGE AND SURFACE

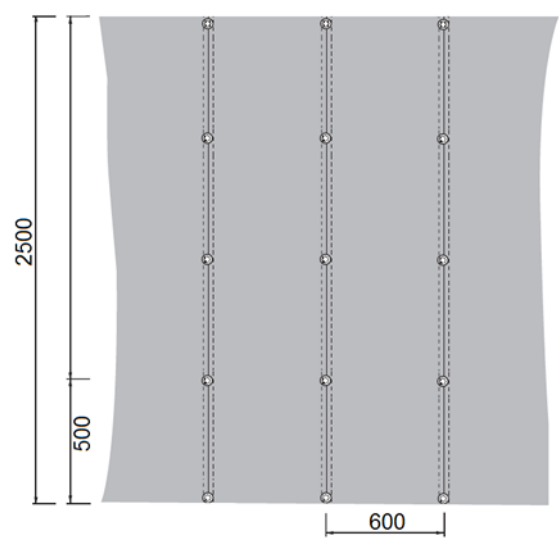
It is easy to cut the Tycroc TWP building board with electrical circular saw, keyhole saw, handsaw or cut-off blades. For drilling of holes, rock, metal and wood drills are suitable. There are no special requirements to storage, but it is not recommended to store the material edgewise to avoid possible damages (broken corners, etc.)

For the installation of Tycroc TWP building board, the surface must be dry, inflexible and stable. Also, it must be clean of dirt, oil and other lubricants and not frozen.

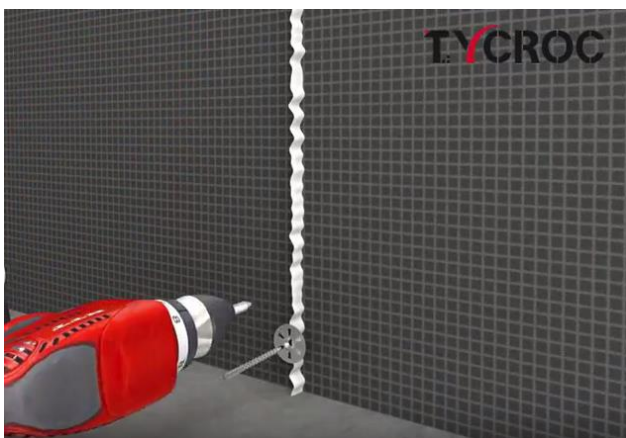
### 1. INSTALLATION TO WOODEN AND METAL FRAMEWORKS (from board with thickness of 12mm)



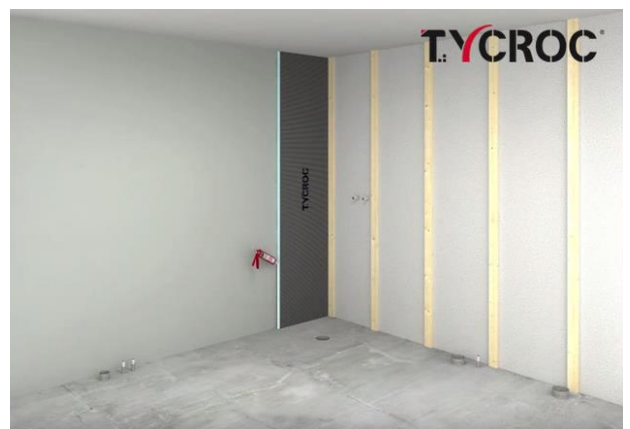
Tycroc TWP building board is suitable for installation on both wooden and metal frameworks. For building board with thickness of 12 mm, the carcass should be constructed with a gap of 300 mm.



For building board with thickness or over 20 mm, the carcass should be constructed with a gap of 600 mm. From board with thickness of 50mm it is enough stiff to install it without framework by using fixings only edges.



For fastening of building board use suitable type of screws (according to the type of framework) and metal washers 36x0,6mm should be used. Use screws that enter the underlying surface by at least 20 mm.



Before mounting the next board, Tycroc Premium Fix adhesive sealant should be applied to the edge of the previous board to glue the building boards to each other.

## INSTALLATION INSTRUCTIONS



The gaps between building boards and corners should be covered with adhesive sealant, and also fastening washers should be covered with the help of a spittle.



Direct water contacted corners, cover additionally with waterproofing tape and –membrane.



The surface is immediately ready for tiling or another type of finishing.

### RATE OF CONSUMPTION

Tycroc washers 36x0,6mm

- for board with thickness 12mm = 15 pcs / 10 pcs per sqm
- from board with thickness 20mm = 10 pcs / ca 6-7 pcs per sqm

Tycroc Premium Fix adhesive sealant

- 290ml cartridge for ca 3 sqm / for two 2500x600mm board (one 290ml cartridge = ca 10 lm of adhesive sealant)
- 600ml cartridge for ca 6 sqm / for four 2500x600mm board (one 600ml cartridge = ca 20 lm of adhesive sealant)

## 2. INSTALLATION ON A SURFACE BY GLUEING (from board with thickness of 6mm)



Apply primer component to the wall.



Apply the tiling compound evenly on the whole surface of the Tycroc TWP building board. Press the board against the wall and level.



Before mounting the next board, Tycroc Premium Fix adhesive sealant should be applied to the edge of the previous board to glue the building boards to each other.

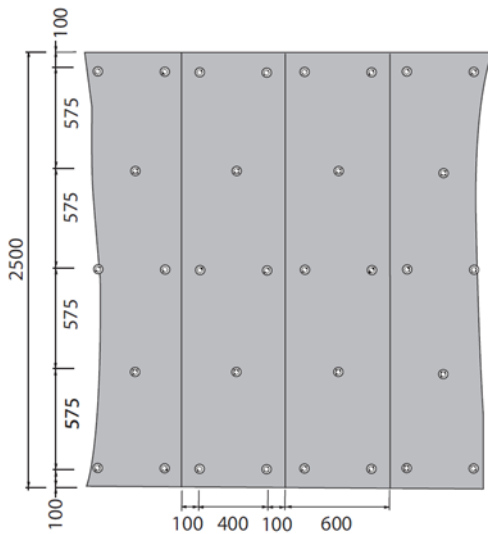


The gaps between building boards and corners should be covered with adhesive sealant, and also fastening washers should be covered with the help of a spittle. Direct water contacted corners, cover additionally with waterproofing tape and -membrane.



The surface is immediately ready for tiling or another type of finishing.

### 3. INSTALLING ON A SURFACE USING METAL DOWELS (from board with thickness of 20mm)



Using a screw driver make holes through the building board to mark the places for fastenings. Make sure that the fastening places closest to edges are at least 100 mm away from the edge of the building board. One board with dimensions 2500 x 600 mm should have 8 fastening points (holes) / at least 5 fastening points per square meter.

Place dabs on each fastening place (hole), put the building board against the wall, press and level.

Let the dabs curdle a little and then, according to previously marked fastening places (holes) drill holes through the building board and the dab into the wall. Then, according to the drilled holes, strike metal dowels into the wall to ensure that the building board stays on the wall. Before mounting the next board, Tycroc Premium Fix adhesive sealant should be applied to the edge of the previous board to glue the building boards to each other.



The gaps between building boards and corners should be covered with adhesive sealant, and also fastening dowels should be covered with Tycroc Premium Fix adhesive. Direct water contacted corners, cover additionally with waterproofing tape and –membrane.





The surface is immediately ready for tiling or another type of finishing.

## RATE OF CONSUMPTION

- Tycroc towels
  - for board 2500x600mm = 8 pcs / 5 pcs per sqm
- Tycroc Premium Fix adhesive sealant
  - 290ml cartridge for ca 3 sqm / for two 2500x600mm board (one 290ml cartridge = ca 10 lm of adhesive sealant)
  - 600ml cartridge for ca 6 sqm / for four 2500x600mm board (one 600ml cartridge = ca 20 lm of adhesive sealant)

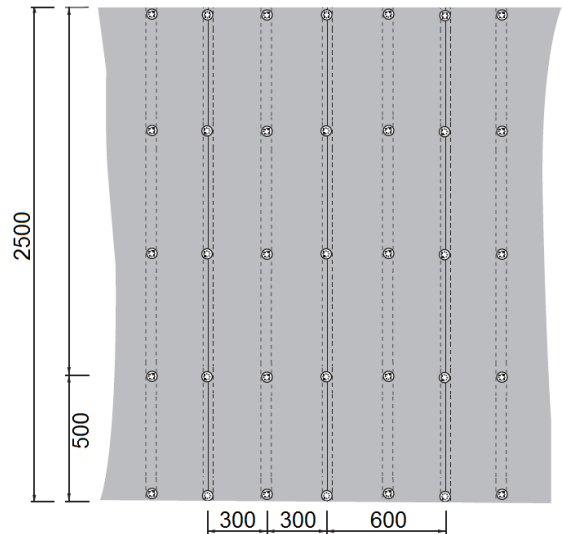
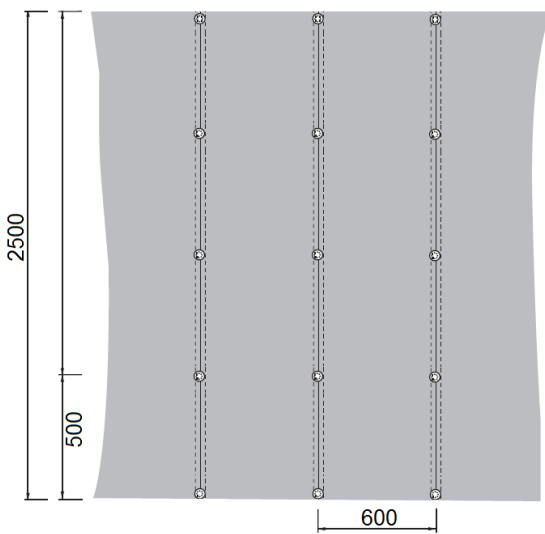
## 4. INSTALLATION ON CONCRETE FLOOR (from board with thickness of 12mm)

- 4.1 The floor must be clean of dirt and excessive debris.
- 4.2 A) Apply fixing compound suitable for concrete surface both to the floor and the bottom surface of the building board. For better adhesion we recommend to prime the floor surface first with suitable primer.  
B) Apply Tycroc Premium Fix adhesive sealant to the bottom side of the building board.
- 4.3 Place the Tycroc TWP building board on the floor and press it strongly against the surface either by body weight or using additional weight (e.g. a bag of concrete, etc.). Before mounting the next board, Tycroc Premium Fix adhesive sealant should be applied to the edge of the previous board to glue the building boards to each other.
- 4.4 The gaps between building boards and corners should be covered with adhesive sealant with the help of a spatula. Direct water contacted corners, cover additionally with waterproofing tape and –membrane.
- 4.5 The surface is immediately ready for tiling or another type of finishing.

## 5. INSTALLATION ON WOODEN FLOOR (from board with thickness of 12mm)

- 5.1 Before the installation of Tycroc TWP building board make sure that the wooden surface is attached in stable manner and according to future loads. The surface must be clean of dirt and excessive debris.

- 5.2 A) Apply fixing compound suitable for wooden surface both to the floor and the bottom surface of the building board. For better adhesion we recommend to prime the floor surface first with suitable primer.
- B) Apply Tycroc Premium Fix adhesive sealant or suitable tile adhesive to the bottom side of the building board.
- C) Using beams max distance 300mm it is possible to use boards with thickness from 50mm directly on the beams.



A) / B) Place building board on the floor and press it strongly against the surface, fixing the building board with suitable screws and metal washers 36x0,6. Use screws that enter the underlying surface by at least 20 mm.

C) Place building board on the floor and press it strongly against the surface, fixing the building board with suitable screws and metal washers 36x0,6. Use screws that enter the underlying surface by at least 20 mm.

Before mounting the next board, Tycroc Premium Fix adhesive sealant should be applied to the edge of the previous board to glue the building boards to each other.

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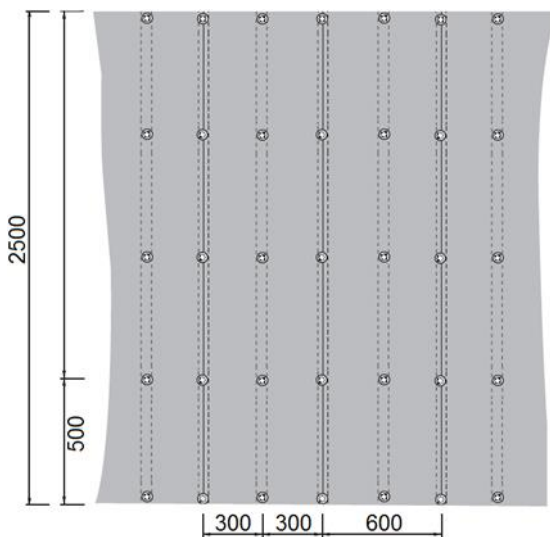


The surface is immediately ready for tiling or another type of finishing.

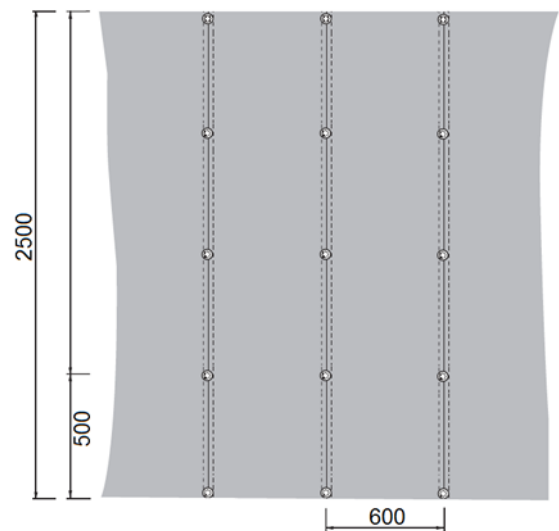
## RATE OF CONSUMPTION

- Tycroc washers 36x0,6mm
  - 10 pcs / ca 6-7 pcs per sqm
  - on the beams = 15 pcs / 10 pcs per sqm
- Tycroc Premium Fix adhesive sealant
  - 290ml cartridge for ca 3 sqm / for two 2500x600mm board (one 290ml cartridge = ca 10 lm of adhesive sealant)
  - 600ml cartridge for ca 6 sqm / for four 2500x600mm board (one 600ml cartridge = ca 20 lm of adhesive sealant)

## 6. INSTALLATION ON SUSPENDING CEILING (from board with thickness of 12mm)



Tycroc TWP building board is suitable for installation on both wooden and metal frameworks. For building board with thickness of 12 mm, the carcass should be constructed with a gap of 300 mm.



For building board with thickness or over 20 mm, the carcass should be constructed with a gap of 600 mm.

Bound Tycroc TWP building board to the ceiling suspension system by using Tycroc Premium Fix adhesive sealant. Then add screws - for fastening of building board use suitable type of screws (according to the type of framework). Use screws that enter the underlying surface by at least 20 mm. No need to use Tycroc metal washers 36x0,6mm under the screws because of the light weight of the building boards. Before mounting the next board, Tycroc Premium Fix adhesive sealant should be applied to the edge of the previous board to glue the building boards to each other. Also screws should be covered with the Tycroc Premium Fix adhesive sealant.

The surface is immediately ready for tiling or another type of finishing.

## RATE OF CONSUMPTION

- Tycroc Premium Fix adhesive sealant
  - 290ml cartridge for ca 3 sqm / for two 2500x600mm board (one 290ml cartridge = ca 10 lm of adhesive sealant)
  - 600ml cartridge for ca 6 sqm / for four 2500x600mm board (one 600ml cartridge = ca 20 lm of adhesive sealant)

## 7. INSTALLATION ON SURFACE CEILING BY GLUEING (from board with thickness of 6mm)

Accordingly the topic 2.

### RATE OF CONSUMPTION

- Tycroc Premium Fix adhesive sealant
- 290ml cartridge for ca 3 sqm / for two 2500x600mm board (one 290ml cartridge = ca 10 lm of adhesive sealant)
- 600ml cartridge for ca 6 sqm / for four 2500x600mm board (one 600ml cartridge = ca 20 lm of adhesive sealant)



In conjunction with Kiilto Oy-ga we have tested Tycroc building boards and next Kiilto products:


Primers, additives	Kiilto Start Primer or Kiilto Gel Primer
Levelling screed and compounds	Kiilto Kestonit Termo or Kiilto Kestonit Fiber
Waterproofings	Kiilto Kerafiber or Kiilto Fibergum or Kiilto Kerapro
Adhesives	Kiilto Superfix SD + Fixbinder or Kiilto Highflex S2 DF + Fixbinder

We have tested Tycroc building boards and next Weber.Vetonit products:

Primers, additives	Weber.Vetonit Floor 4716
Levelling screed and compounds	Weber.Vetonit Floor 4350 dB-plaano või Weber.Vetonit TT
Waterproofings	Weber.Vetonit WP
Adhesives	Weber.Vetonit RF



TYCROC and ESSVE recommends:

<p>For fastening inside Tycroc building boards use ESSVE SAM drywall anchor</p> 	<ul style="list-style-type: none"> <li>▪ max 15kg per achor</li> <li>▪ tested with Tycroc TWP 12mm and 20mm building boards</li> </ul>
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