O-LOX SUPER

Installation manual

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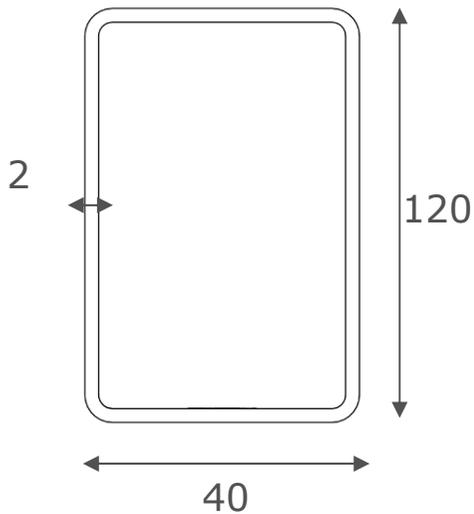   4. The corner clamps

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1. Components of the fencing system

1.1 The posts

- The section of the O-LOX SUPER post is <u>120x40x2,0mm</u>.
- The posts are foreseen of <u>holes every 200/400mm</u>. PA clamps to support the panels are fixed to the posts with <u>inserts M8</u>
- The posts are covered with a black plastic <u>post cap.</u>
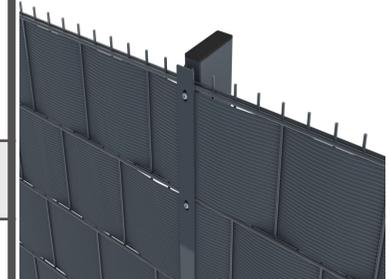- Posts can be installed <u>in concrete</u> or on <u>floor plates</u> (welded to the posts)

BETAFENCE

1. Components of the fencing system

1.1 The posts

- Combination with Screeeno Wave privacy strips

Panel height in mm	Post length in mm (installation in concrete)	Post length in mm (with welded footplate)	Post profile in mm
1830	2400	1884	120/40/2
2030	2600	2084	120/40/2

**1 POST
=> 2 FUNCTIONS**

- Combination for fence heights 3M & 4M high (sport applications)

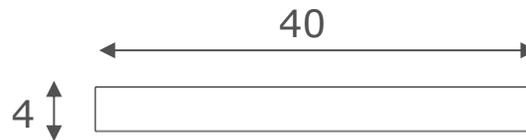| Panel height in mm	Post length in mm (installation in concrete)	Post length in mm (with welded footplate)	Post profile in mm
3030	3800	*	120/40/2
4030	4800	*	120/40/2

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1. Components of the fencing system

1.3 The cover plates (option 1)

- O-LOX SUPER posts are installed with steel <u>flat cover plates 40x4mm</u>

  — The cover plates are fixed with <u>Hexagon Socket Button Head screws (ISO7380) M8x40</u>, in stainless steel
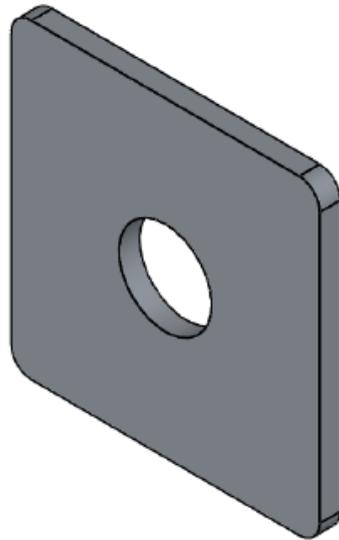
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1. Components of the fencing system
1.3 The stainless steel fixing plates (option 2)

- O-LOX SUPER posts can also be installed with stainless steel fixing plates 30x30 mm M8

  — The stainless steel fixing plates are fixed with Hexagon Socket Button Head screws (ISO7380) M8x40, in stainless steel

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1. Components of the fencing system

1.3 The butterfly fixators (option 3)

- O-LOX SUPER posts can also be installed with butterfly fixators
  - The butterfly fixators are fixed with <u>Hexagon Socket Button Head screws (ISO7380) M8x40</u>, in stainless steel

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1. Components of the fencing system

1.4 The corner clamps

- In case of a corner, <u>corner clamps</u> are used
  - The corner clamps are fixed with <u>Mushroom Head Square Neck bolts (DIN603) M8x25</u>, in stainless steel

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2. Installation of O-LOX SUPER

2.1 Foundations

- To obtain the best result, it is recommended to <u>level the ground</u> over the whole length of the fence

- Align the <u>fence line</u>

- For correct positioning, maintain the <u>centre-centre distance</u> of 2520mm

- For <u>end posts</u>, the interdistance should be 2500mm

- To determine the <u>dimensions of the foundations</u> it is recommended to consult a specialized engineer to evaluate wind load and solar conditions and any other factors requiring specialist opinion (concrete quality directive B30)

- In case of instant installation the post needs to be <u>supported as long as necessary</u>

C-C   2520   +6/-6mm

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2. Installation of O-LOX SUPER

2.2 Installation of the posts

- <u>Installation principle</u>: when installing O-LOX SUPER posts, first all the posts can be installed and then the panels can be attached

ALIGNING THE POSTS

- Place a pin before <u>the first post</u> of the fence and another behind <u>the last post</u>. Connect those pins with <u>two guide ropes</u>

- The lower guide rope should be between 20 and 40 cm above the ground. Now <u>align all inserts</u> with the upper guide rope. The <u>bottom</u> of the panel should be around <u>50mm above ground</u> level.
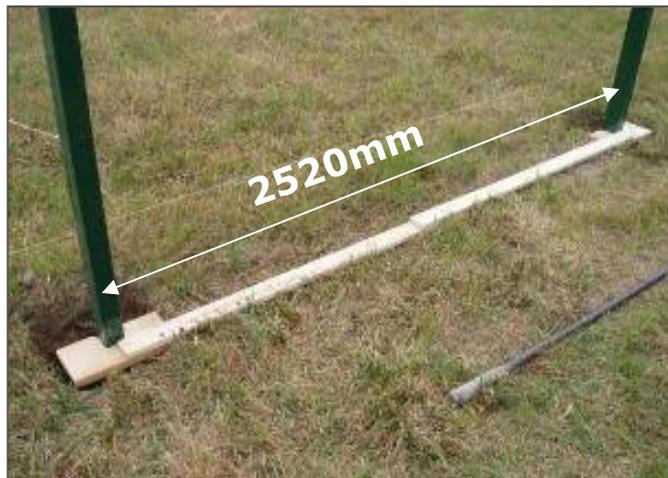
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2. Installation of O-LOX SUPER

2.2 Installation of the posts

PLACEMENT OF THE POSTS (USE A TEMPLATE)

- A template makes it much easier to install the posts correctly
- The template must be made by the installer and must have 2 cut outs into which the posts fit perfectly
- Place the posts, correctly aligned (vertically and horizontally) and with the correct distance between them.
- Install the posts so that the clearance between panel and floor is 50mm
- While the post is installed, make sure no water can stay inside the post. If the ground is impermeable, provide a drain hole on site.

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2. Installation of O-LOX SUPER

2.3 Installation of the panels

INSTALLING THE PANELS

- The <u>first panel</u> should be installed to the <u>other side</u> of the post
- Always put <u>two panels</u> on the clamps
- <u>Use a cover plate or the fixators,</u> to fasten the panels, first install a bolt at top and bottom
- When the panels are perfectly <u>aligned</u>, fix the other bolts

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2. Installation of O-LOX SUPER

2.4 Special cases

INSTALLING CORNERS

- For installation in corners, <u>use two posts</u> that are placed around 200mm outside the corner. Connect the panels toghether with <u>corner clamps</u>.

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2. Installation of O-LOX SUPER

2.4 Special cases

INSTALLING SLOPES

- Install the first panel
- Take a second panel and install it to the front of the post with the required height difference
- Fix both panels to the post with the cover plate or the fixing plates/butterfly fixators

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3. Maintenance

- All Betafence panels and posts are maintenance free but it is recommended that the fence line would be checked every 4 months to make sure that all the connection screws are tightened and all the posts caps are in place. If screws or post caps are missing or broken those should be replaced or tightened immediately

- If there are visible scratches / damages on the coating, those should be re-sprayed immediately with a similar color paint

- If necessary the fence and posts can be washed with a light soap water and rinse afterwords with a **low water pressure**

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