



Tecnodeck Fence System

EN - 01/2015

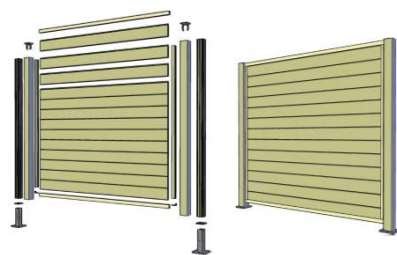
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EN-Tecnodeck 01/2015

- Tecnodeck Fence System is a totally modular system and provides a several customized possible solutions.
- Tecnodeck Fence system was designed and conceived according to the Eurocode specifications.
- Tecnodeck Fence System is presented in two standard versions:
 - Light Version, with aluminium structure Tube, designed according the Eurocode points 1, 3 and 9, suitable for winds up to 60 km/h.
 - Strong Version, with steel structure Tube, designed according the Eurocode full version, suitable for winds up to 120 km/h.
- The price always includes the pre-mounting, material, cutting to size, drilling, pre-mounting, disassembling and packing.
- For customized solutions, client must specify the required size, length and format. A price offer will be made.
- Union components are in galvanized steel and lacquered.
- Exterior profiles are in Tecnodeck Wood Plastic Composite.
- Interior reinforcing profiles are in 6060 T6 aluminium or S355 steel.
- The TECNODECK Fence System should be applied to solid, flat and stable surface, such as concrete slabs with self-leveling mass.
- The concrete must have the characteristics necessary to withstand wind pressure.
- Never fix the bases direct over the decking (if it exists). The fixation should be always to the concrete sub-floor.
- When fitting the WPC Fence profile, in the U Fence Aluminium profile, a 3mm gap should be considered on each side in way to allow natural thermal expansions of the material.

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Tecnodeck Fence System 2x2 Light Version: Fixed base

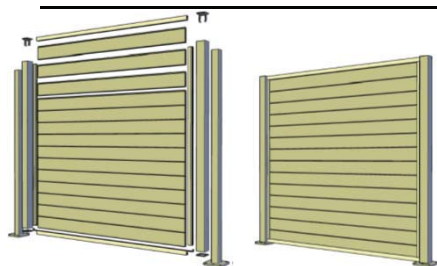
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Tecnodeck Fence System 2x2 Light Version: Fixed base - Add up

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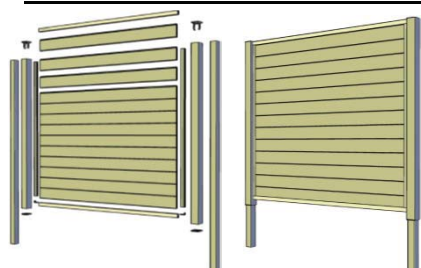
Tecnodeck Fence System 2x2 Strong Version: Fixed base

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Tecnodeck Fence System 2x2 Strong Version: Fixed base - Add up

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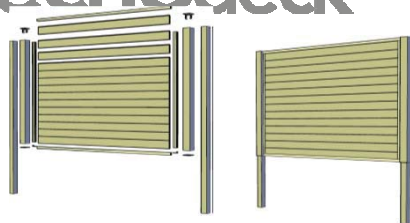
Tecnodeck Fence System 2x2 Light Version: Fixed to the ground.

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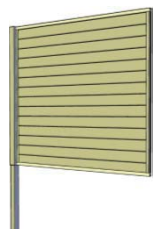
Tecnodeck Fence System 2x2 Light Version: Fixed to the ground - Add up

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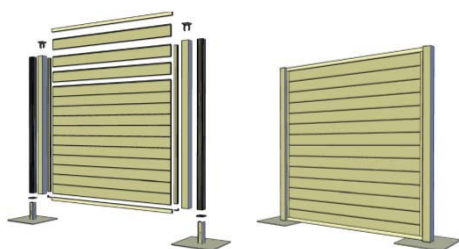
Tecnodeck Fence System 2x2 Strong Version:
Fixed to the ground

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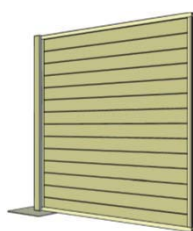
Tecnodeck Fence System 2x2 Strong Version:
Fixed to the ground - Add up

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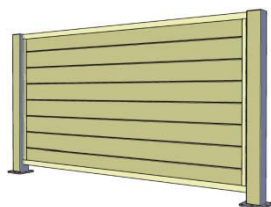
Tecnodeck Fence System 2x2 Light Version: Not
fixed, with base plate

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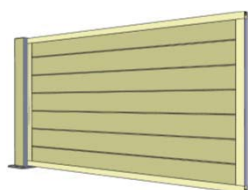
Tecnodeck Fence System 2x2 Light Version: Not
fixed, with base plate - Add up

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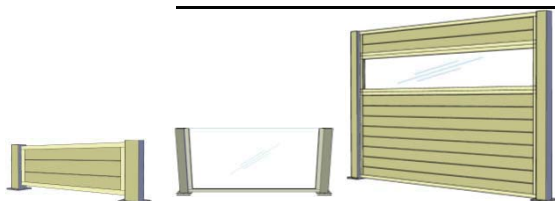
Tecnodeck Fence System 2x1,2 Light Version:
Fixed base

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Tecnodeck Fence System 2x1,2 Light Version:
Fixed base – Add up

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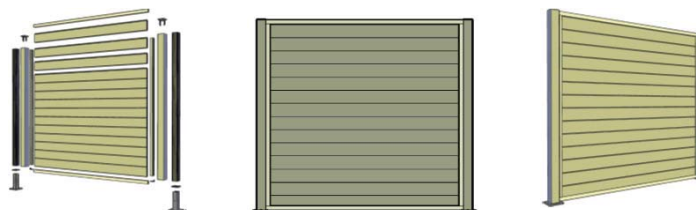


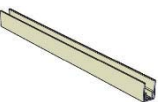
Customized Tecnodeck Fence

- Tecnodeck FenceSystem is a totally modular system and provides a several Customized possible solutions.

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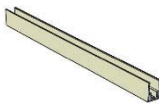
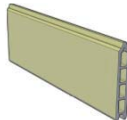
Tecnodeck Fence System 2x2 Light Version: Fixed base



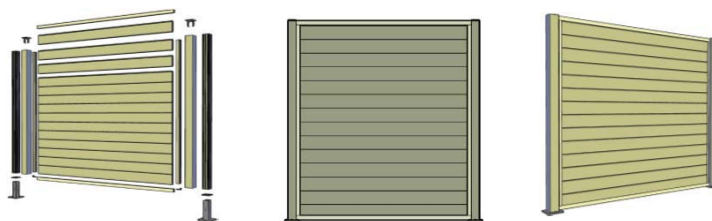
Quantity	Description	Drawing
4	Tecnodeck Profile 85 x 85 x 1000mm	
4	ALU Profile 68 x 68 x 1000mm	
2	Pergola Base [+ Fixings]	
8	Tecnodeck U ALU Profile [+ Fixings] x 1000mm	
26	Tecnodeck Fence Profile	
2	Tecnodeck Fence L Profile [+ Fixings]	
2	Caps	
2	Spacer 85 x 85 x 5	

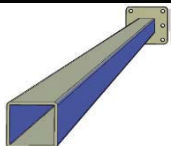
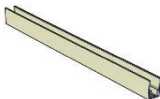
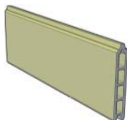
Tecnodeck Fence System 2x2 Light Version: Fixed base - Add up



Quantity	Description	Drawing
2	Tecnodeck Profile 85 x 85 x 1000mm	
2	ALU Profile 68 x 68 x 1000mm	
1	Pergola Base [+ Fixings]	
8	Tecnodeck U ALU Profile [+ Fixings] x 1000mm	
26	Tecnodeck Fence Profile	
2	Tecnodeck Fence L Profile [+ Fixings]	
1	Caps	
1	Spacer 85 x 85 x 5	

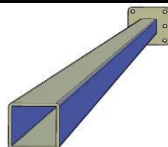
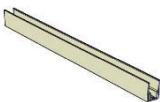
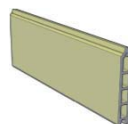
Tecnodeck Fence System 2x2 Strong Version: Fixed base



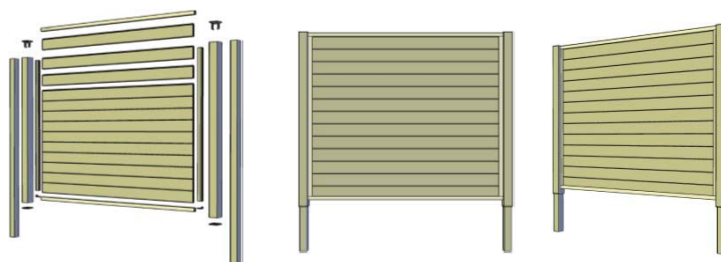
Quantity	Description	Drawing
4	Tecnodeck Profile 85 x 85 x 1000mm	
2	Steel Base Column [+ Fixings]	
8	Tecnodeck U ALU Profile [+ Fixings] x 1000mm	
26	Tecnodeck Fence Profile	
2	Tecnodeck Fence L Profile [+ Fixings]	
2	Caps	
2	Spacer 85 x 85 x 5	

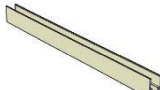
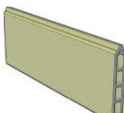
Tecnodeck Fence System 2x2 Strong Version: Fixed base - Add up



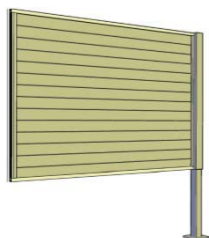
Quantity	Description	Drawing
2	Tecnodeck Profile 85 x 85 x 1000mm	
1	Steel Base Column [+ Fixings]	
8	Tecnodeck U ALU Profile [+ Fixings] x 1000mm	
26	Tecnodeck Fence Profile	
2	Tecnodeck Fence L Profile [+ Fixings]	
1	Caps	
1	Spacer 85 x 85 x 5	

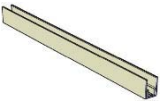
Tecnodeck Fence System 2x2 Light Version: Fixed to the ground.



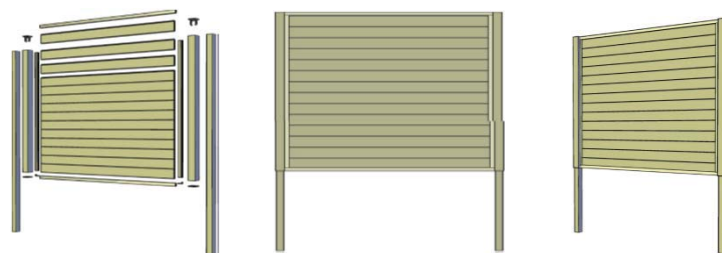
Quantity	Description	Drawing
4	Tecnodeck Profile 85 x 85 x 1000mm	
6	ALU Profile 68 x 68 x 1000mm	
8	Tecnodeck U ALU Profile [+ Fixings] x 1000mm	
26	Tecnodeck Fence Profile	
2	Tecnodeck Fence L Profile [+ Fixings]	
2	Caps	
2	Spacer 85 x 85 x 5	

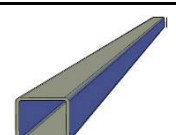
Tecnodeck Fence System 2x2 Light Version:
Fixed to the ground - Add up



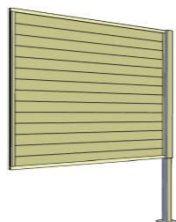
Quantity	Description	Drawing
2	Tecnodeck Profile 85 x 85 x 1000mm	
3	ALU Profile 68 x 68 x 1000mm	
8	Tecnodeck U ALU Profile [+ Fixings] x 1000mm	
26	Tecnodeck Fence Profile	
2	Tecnodeck Fence L Profile [+ Fixings]	
2	Caps	
2	Spacer 85 x 85 x 5	

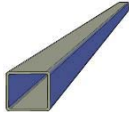
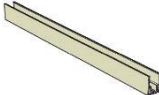
Tecnodeck Fence System 2x2 Strong Version: Fixed to the ground



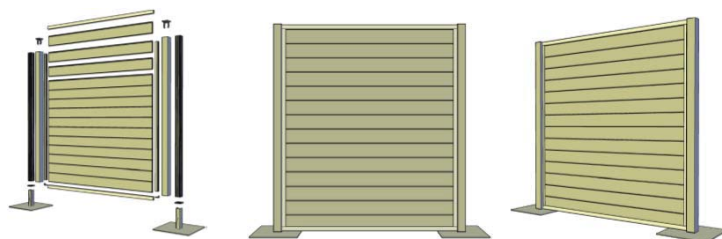
Quantity	Description	Drawing
4	Tecnodeck Profile 85 x 85 x 1000mm	
2	Steel Column 3m x 1000mm	
8	Tecnodeck U ALU Profile [+ Fixings] x 1000mm	
26	Tecnodeck Fence Profile	
2	Tecnodeck Fence L Profile [+ Fixings]	
2	Caps	
2	Spacer 85 x 85 x 5	

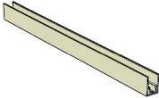
Tecnodeck Fence System 2x2 Strong Version: Fixed to the ground - Add up



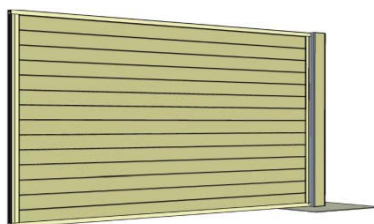
Quantity	Description	Drawing
2	Tecnodeck Profile 85 x 85 x 1000mm	
1	Steel Column 3m x 1000mm	
8	Tecnodeck U ALU Profile [+ Fixings] x 1000mm	
26	Tecnodeck Fence Profile	
2	Tecnodeck Fence L Profile [+ Fixings]	
1	Caps	
1	Spacer 85 x 85 x 5	

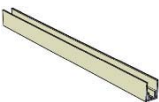
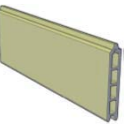
Tecnodeck Fence System 2x2 Light Version: Not fixed, with base plate



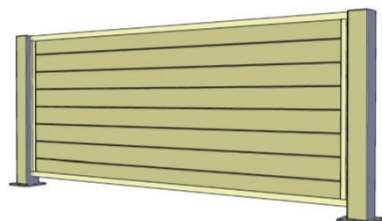
Quantity	Description	Drawing
4	Tecnodeck Profile 85 x 85 x 1000mm	
4	ALU Profile 68 x 68 x 1000mm	
2	Pergola Base [+ Fixings]	
8	Tecnodeck U ALU Profile [+ Fixings] x 1000mm	
26	Tecnodeck Fence Profile	
2	Tecnodeck Fence L Profile [+ Fixings]	
2	Caps	
2	Spacer 85 x 85 x 5	

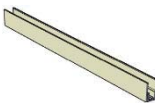
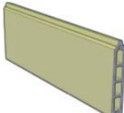
Tecnodeck Fence System 2x2 Light Version:
Not fixed, with base plate - Add up



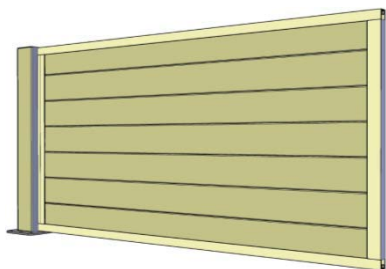
Quantity	Description	Drawing
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2	ALU Profile 68 x 68 x 1000mm	
1	Pergola Base [+ Fixings]	
8	Tecnodeck U ALU Profile [+ Fixings] x 1000mm	
26	Tecnodeck Fence Profile	
2	Tecnodeck Fence L Profile [+ Fixings]	
1	Caps	
1	Spacer 85 x 85 x 5	

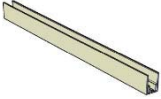
Tecnodeck Fence System 2x1,2 Light Version: Fixed base



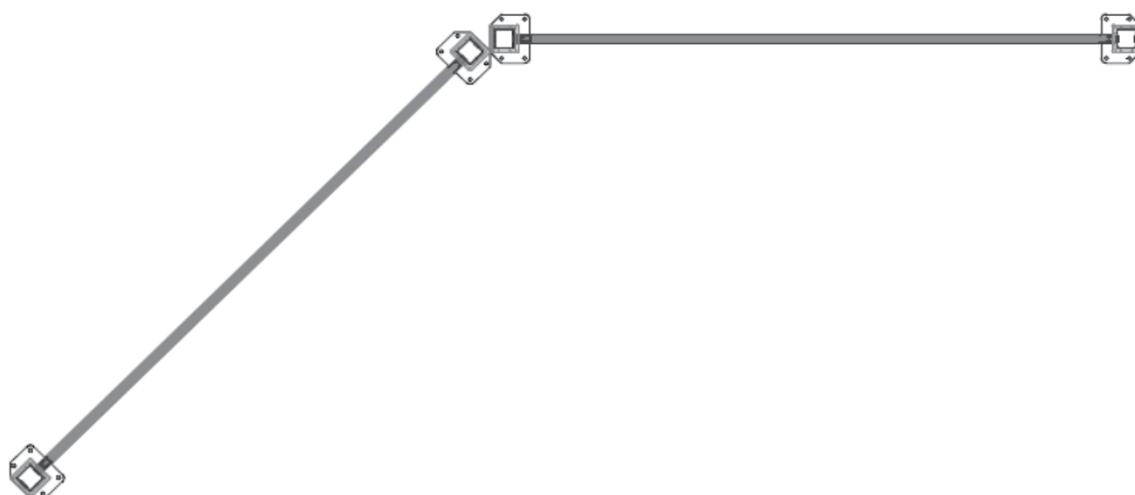
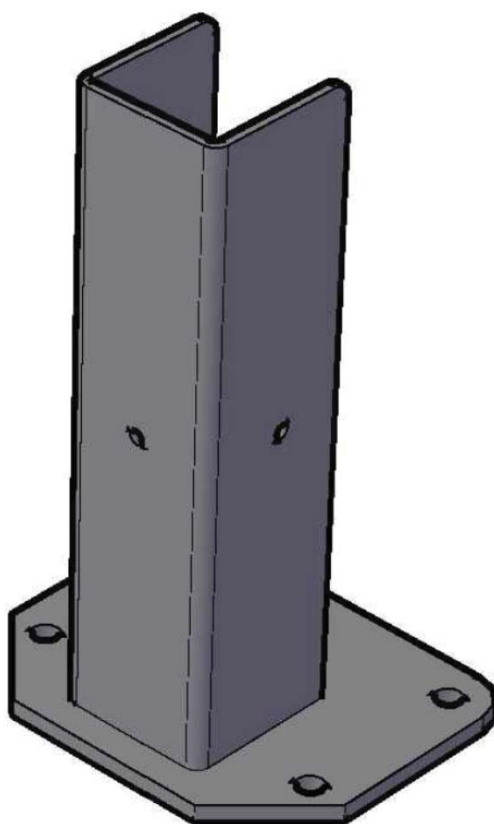
Quantity	Description	Drawing
2,4	Tecnodeck Profile 85 x 85 x 1000mm	
2,4	ALU Profile 68 x 68 x 1000mm	
2	Pergola Base [+ Fixings]	
6,4	Tecnodeck U ALU Profile [+ Fixings] x 1000mm	
16	Tecnodeck Fence Profile	
2	Tecnodeck Fence L Profile [+ Fixings]	
2	Caps	
2	Spacer 85 x 85 x 5	

Tecnodeck Fence System 2x1,2 Light Version: Fixed base – Add up



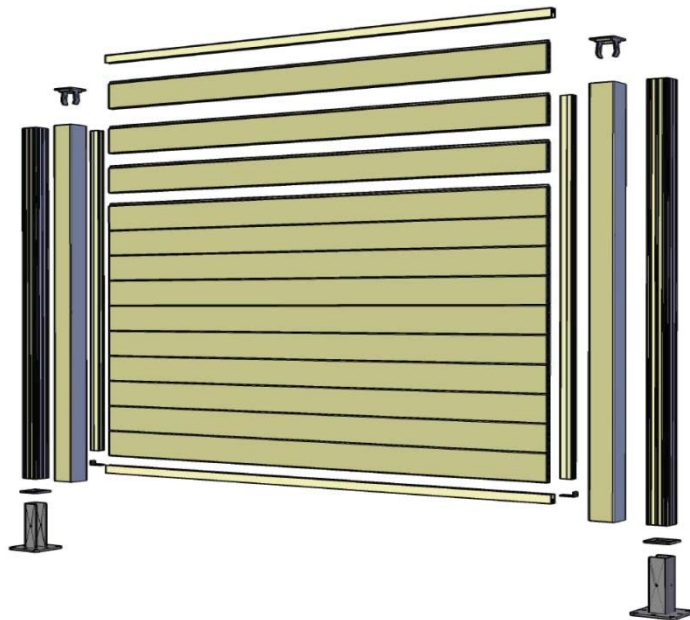
Quantity	Description	Drawing
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1,2	ALU Profile 68 x 68 x 1000mm	
1	Pergola Base [+ Fixings]	
6,4	Tecnodeck U ALU Profile [+ Fixings] x 1000mm	
16	Tecnodeck Fence Profile	
2	Tecnodeck Fence L Profile [+ Fixings]	
1	Caps	
1	Spacer 85 x 85 x 5	

Tecnodeck Fence Base for non-orthogonal assemblies

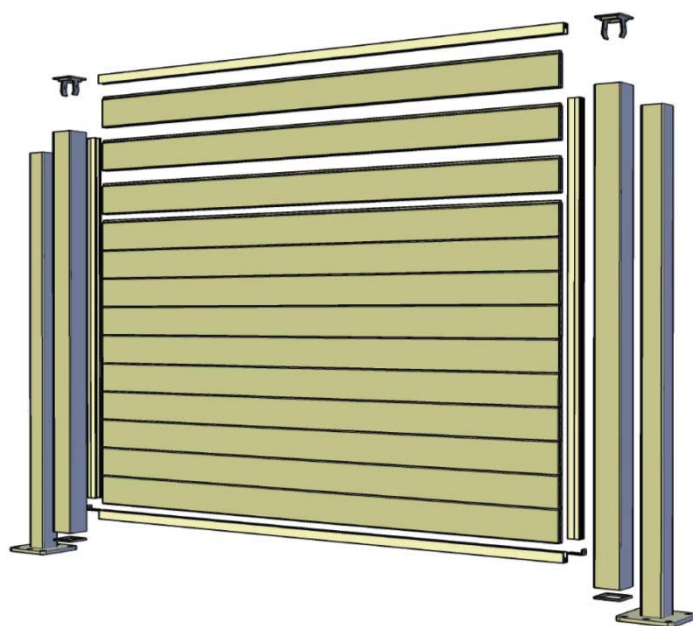


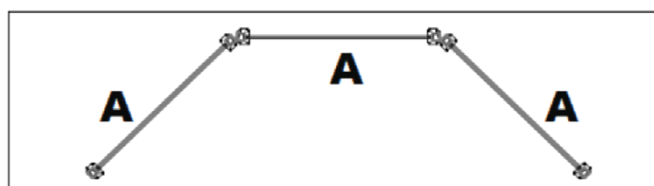
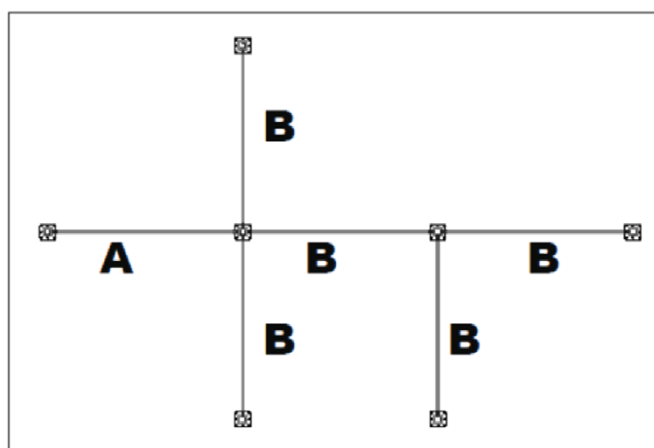
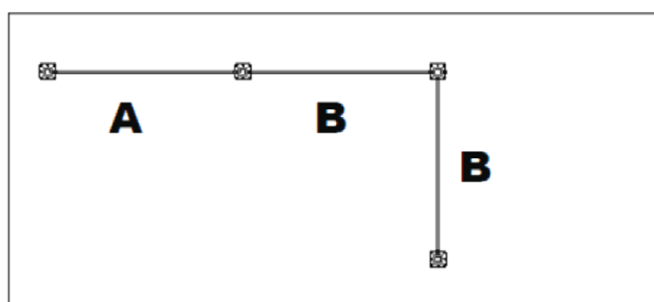
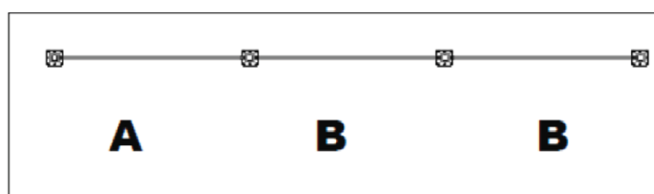
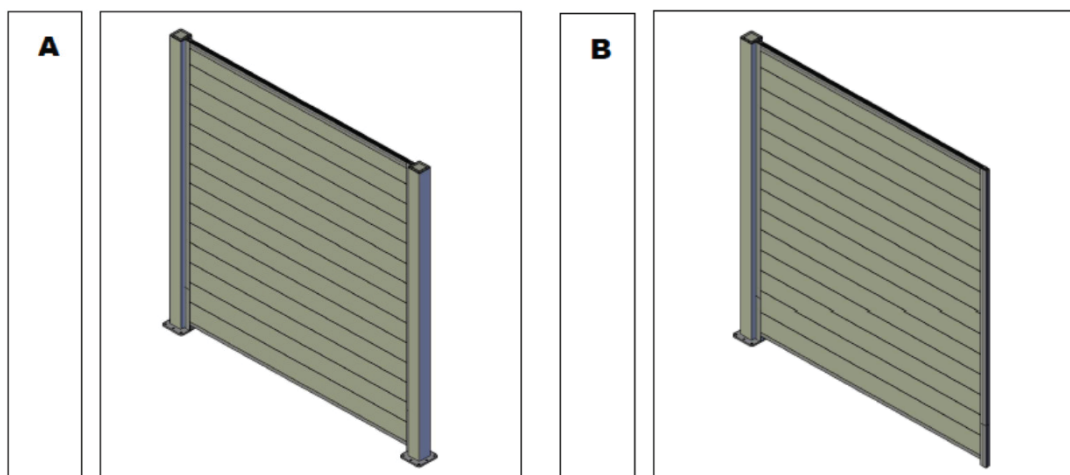
Note - Base for non-orthogonal fence, price as std base.

Tecnodeck Fence System Light Version, with aluminium structure Tube, designed according the Eurocode points 1, 3 and 9, suitable for winds up to 60 km/h.

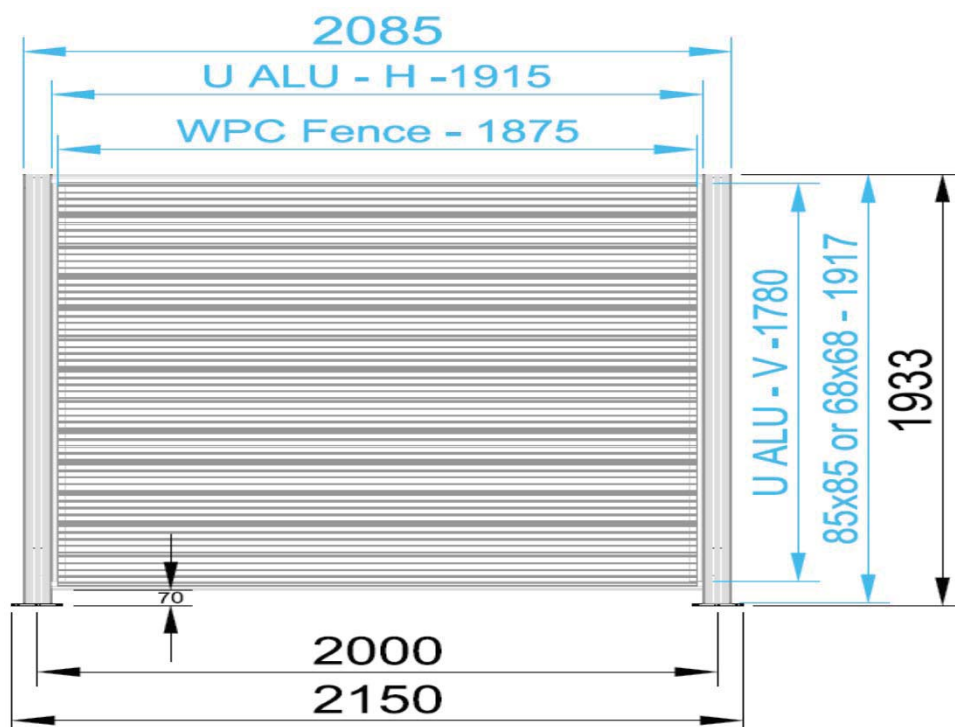


Tecnodeck Fence System Strong Version, with steel structure Tube, designed according the Eurocode full version, suitable for winds up to 120 km/h.

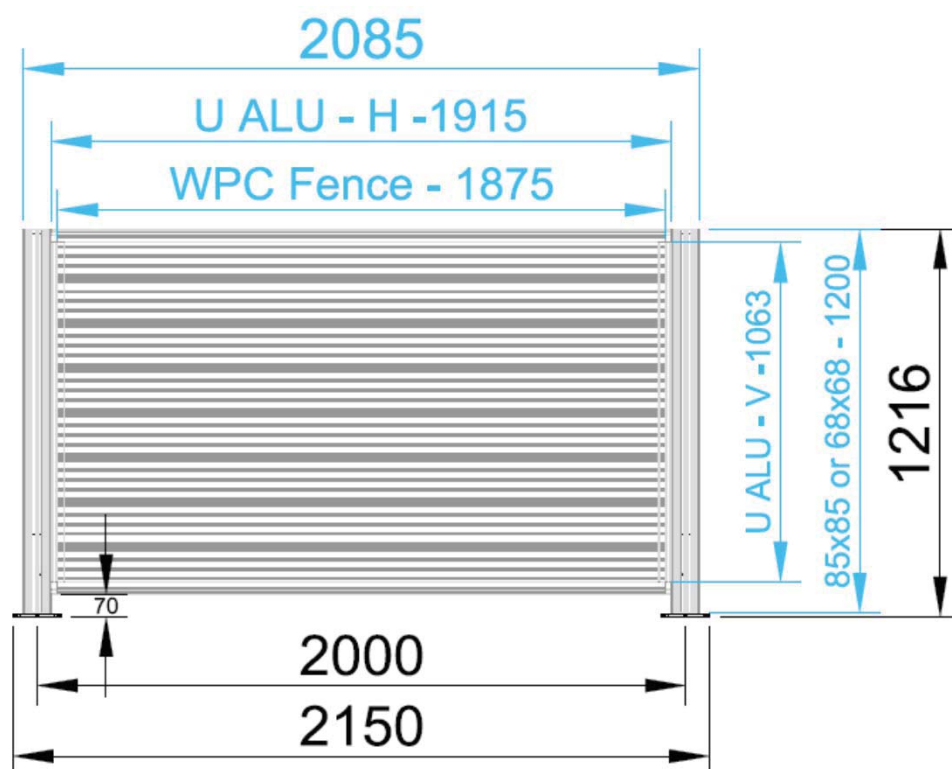




Dimensions Fence 2x2



Dimensions Fence 2x1.2



Technical Features

Tecnodeck Profile 85x85

Density g/cm ³	1,3
Water absorption (Weight)	0,3
% (Volume)	0,17
Tensile strength Mpa	22,5
Breaking modulus Mpa	22
Flexural strength Mpa	22,5
Flexural modulus of elasticity Mpa	2400
Thermal expansion coefficient (mm/mm)/°C	4,9 x10-5
Compression resistance Mpa	26,4



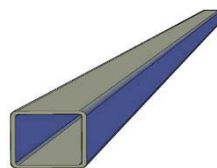
AL Profile 68x68

Alloy designation	6060 T6
Tensile strength	
Yield strength Mpa	150
Ultimate tensile strength Mpa	190
Hardness Vikers aprox.	60
Modulus of elasticity Gpa	70
Modulus of rigidity Gpa	27
Density g/cm ³	2,7



ST Profile 70x70

Alloy designation	S235
Tensile strength	
Yield strength Mpa	235
Ultimate tensile strength Mpa	360
Modulus of elasticity Gpa	210
Density Kg/dm ³	7,85



Note: These features are only for information purposes, and the manufacturer may change them without previous notice.

Optional

Description	Drawing
Finishing Plate – Lacquered 170 x 170/2	
Finishing Plate Stainless Steel 170 x 170/2 Inox A4	
Finishing Plate Lacquered 170 x 170/2 Split Execution	
Finishing Plate Stainless Steel 170 x 170/2 Inox A4 Split Execution	
Screw Cap	

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