

Composite deck is adherent even after rain, can be easily mounted, doesn't crack, rotten or break!



PRODUCT CATALOG



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BENCOMP
wood plastic composite



Few more times more
weather resistant than natural wood.

ZERO maintenance costs!



THE PERFECT SOLUTION FOR
YOUR GARDEN !

WOOD PLASTIC COMPOSITE

WOOD PLASTIC COMPOSITE is a mixture of natural wood flour, recycled polymers and special additives which can be extruded in various shapes, to be used in decking, railings, garden furniture and cladding.

The products manufactured from WPC profiles have a great weather resistance, with extremely low water adsorption, and exceptional UV and mold resistance.

WPC profiles do not need painting or varnish to maintain their color. They are mass colored, so they maintain their aspect all their lifetime.

If the user desires, WPC profiles can be submitted to special treatment, (brushing, sanding), in order to be painted according to client wishes.

WPC profiles can be used for swimming pool deck, various models of fences and railings, boat pontoons, pergolas, cladding, small garden tool houses, gazebos, outside furniture.



The mark of responsible forestry
FSC® C154266



MADE IN ROMANIA

European quality, tested and guaranteed! Environmentally friendly product!



5 YEAR WARRANTY

to deformation, water swelling and cracking. Expected service life: 25 years!



NO MAINTENANCE

It does not absorb water, does not rot and do not need varnishing or painting operations!

WOOD COMPOSITE vs NATURAL WOOD

Being produced from natural raw materials (around 50% wood flour), the shades of the main colors we offer to you (dark brown, red brown and grey) could vary from one batch to the other, but in time, differences in color become less visible.

Any wood composite profile has a shining aspect after extrusion, but they can be sanded, brushed or embossed, accordingly to client's requirements, becoming most closed to natural wood aspect.



WHY WOOD PLASTIC COMPOSITE PROFILES INSTEAD OF WOOD?



- Because it is produced from best available raw materials, resulting profiles of perfect shape, with wood like aspect, which can be finished in various ways.
- Because its weather resistance is much better than natural wood resistance without any special treatment.
- Because we offer you a large range of deck, cladding and railings profiles which can be very easily assembled with nonprofessional tools.
- Because water adsorption, stain resistance and mechanical strength are superior to natural wood, without any protection required.
- Because it lasts year after year, with no maintenance costs.
- Because for special orders, the profiles can be produced at any length, saving waste and money.



WHAT YOU NEED TO KNOW ABOUT WOOD PLASTIC COMPOSITE

- It has been used for outside applications for more than 25 years with excellent results.
- Wood polymer composite is a homogenous mixture of wood, polymer and various additives, extruded in various profiles for decking, wall cladding, railings and park furniture.
- Good quality WPC resists much more than wood to weather ageing, moisture, UV radiation and attacks of mold and wood eating insects.
- WPC profiles need no maintenance, no painting, oil impregnation or other protection.
- WPC profiles are price competitive to natural wood
- WPC profiles can be assembled with wood screws or glued, but they can also be welded like PVC profiles
- They have aspect of natural wood and elasticity of plastic.
- Being produced from natural raw material (wood), the shade of color may vary from one batch to another, but differences are scarce.
- Wood plastic composite is an environment friendly material, which is not only protecting wood (because it's using sawdust, so it saves a lot of trees from becoming timber, and also WPC life is longer than timber life), but it also uses recycled polymer, saving a limited natural resource, oil.
- Old WPC profiles can be recycled and even if they are sent to land disposal, they don't release heavy metals or other hazardous substances in water, air or soil.



HOW DO YOU CHOOSE WPC PROFILES?

Deck profiles must be chosen accordingly to required mechanical strength: there are light profiles for residential use but there are also heavier profiles for commercial or heavy use.

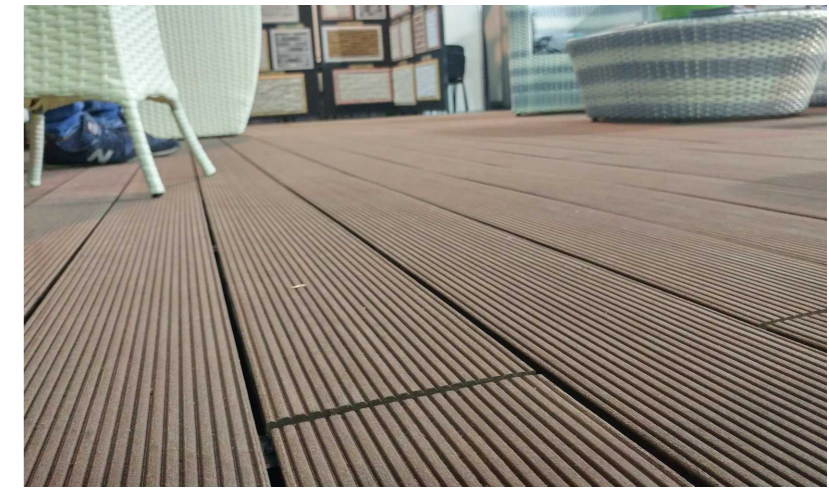
Even if composition of these profiles is similar, the wall thickness vary, and so is the mechanical strength, warranty and price.

To choose a good quality WPC profile, there are some easy tests which can be done:

- *Water adsorption (just weight how much heavier is a profile kept in water for 24 hours),*
- *Machinability, by cutting with an electric saw a profile. A good quality wpc material should be easily drilled or cut, without any smoke or sparks.*
- *Heat elongation: if exposed to heat any WPC profile dilates, but good quality profiles have uniform small dilatation.*
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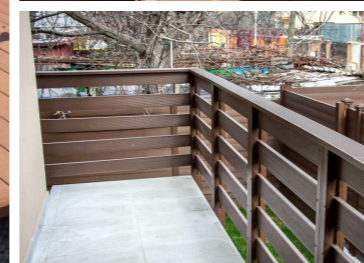
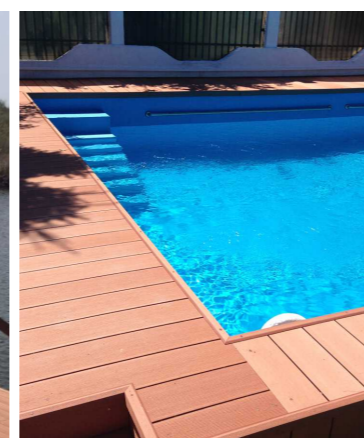
An important factor is also price, because a small price always means bad quality raw materials and lack of important additives, so the profiles shall distort and break in 1-2 seasons.

None wants to transform his investment in an useless expense, so consider above advices before taking a decision!



WHY CHOOSE US?

- Because we use for our WPC profiles the best raw materials and additives from United States and Europe.
- Because we don't use any fillers in our recipes, so our profiles are as easy to cut, drill and mill as natural wood.
- Because we offer a long time warranty against decay, rotting, swelling, splintering, mold and termites.
- Because we offer you beautiful profiles for almost any application: for deck of home and commercial use, for fences and railings, for cladding, exterior furniture, gazebos and pergolas.
- Because we are near our clients in all stages of their project: choosing best solution, designing it and finally providing the WPC profiles.
- Because we can solve any order in fastest time at affordable prices.
- Because our dedication and experience in WPC projects recommend us as probably the most reliable company in your area.



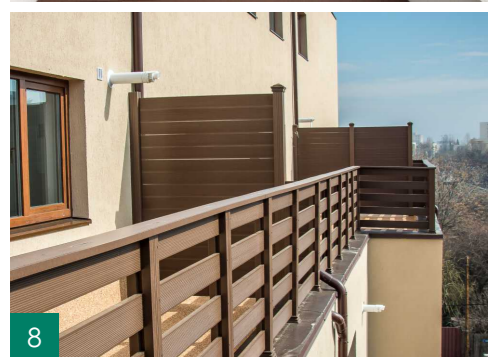
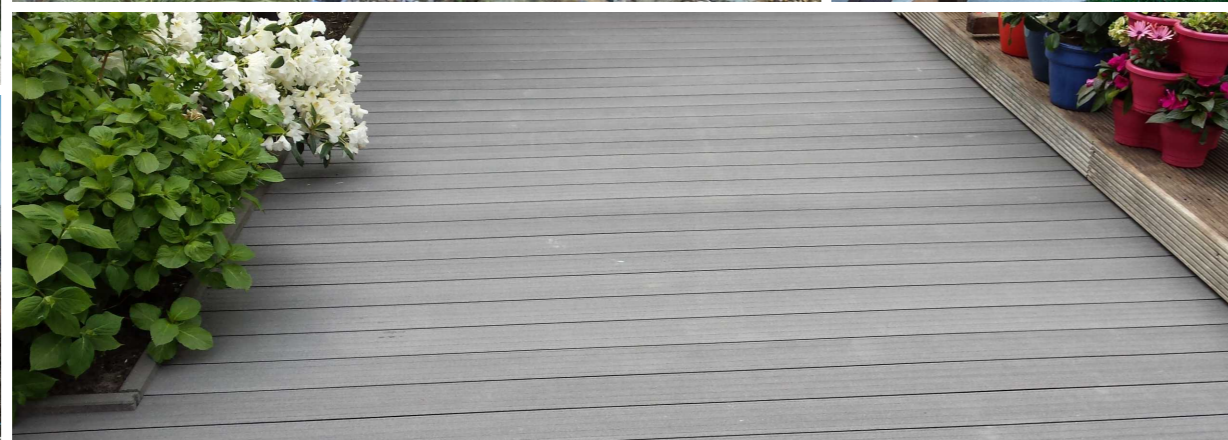
DON'T HESITATE!

- If you want to have the most beautiful terrace in the neighborhood
- If you want to feel the wood warmth under your bare feet
- If you want to forget about maintenance of your deck, railing or wall cladding

DON'T POSTPONE! Order now our profiles in wood plastic composite and we shall offer you:

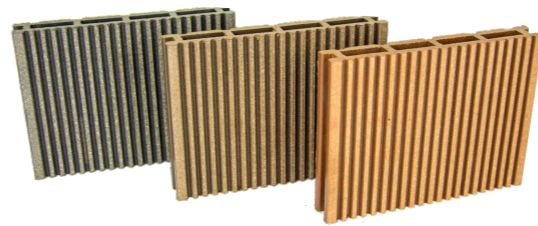
- Best quality for best prices!
- Volume and season discounts
- Technical assistance for turnkey projects





LIGHT WEIGHT DECK

1



2



3

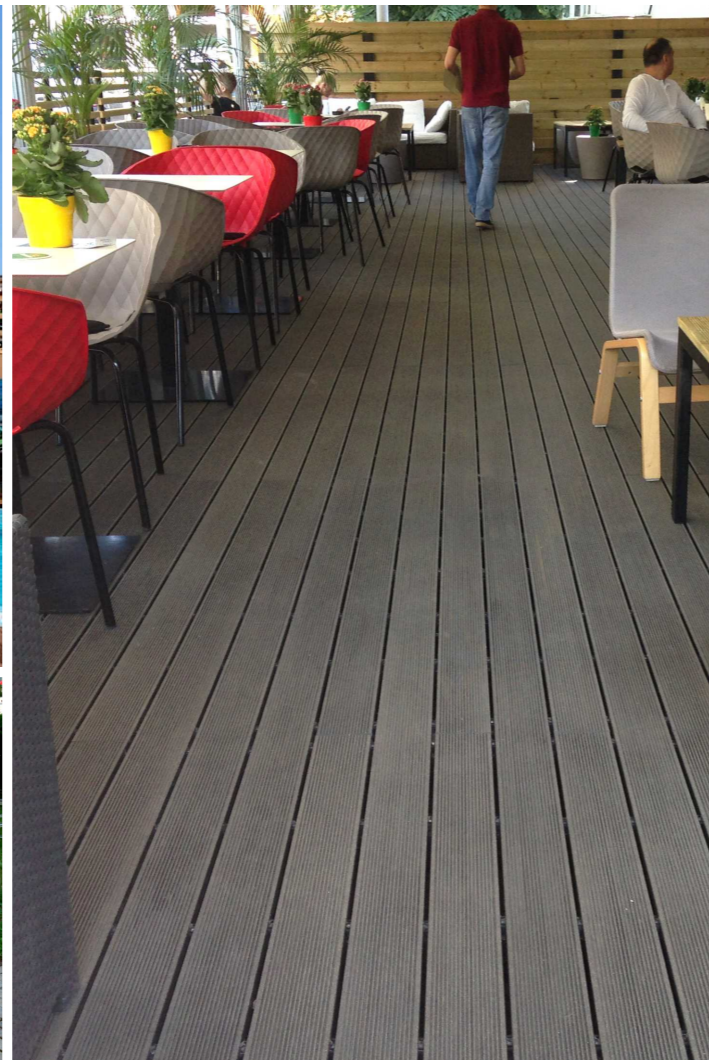
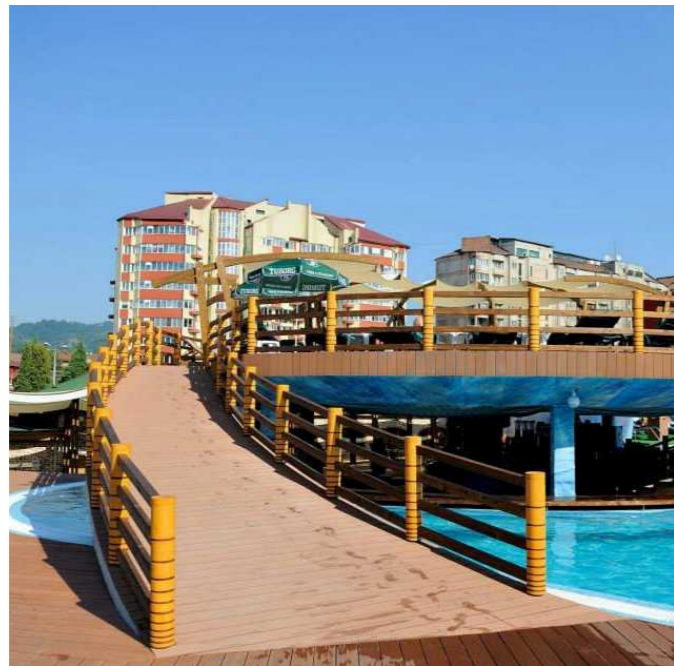


Model	width	height	length	pieces / sqm	weight / sqm	ribbed sides
1 D 140x21 M2	140 mm	21 mm	4000 mm	1.79	13.07 kg	2
2 D 145X21	145 mm	21 mm	4000 mm	1.72	13.1 kg	2
3 T 170X65x21	170 mm	21 mm	4000 mm	1.47	3.07 kg/ml	2

Residential deck model has wall thickness of 4.5 mm and is designed for an uniform load up to 200 kg per square meter.

This mechanical strength is warranted for 3 years and expected lifetime is more than 10 years.

This model is the optimal solution for residential projects insuring a good durability at the lowest price!



COMMERCIAL USE DECK



1



2



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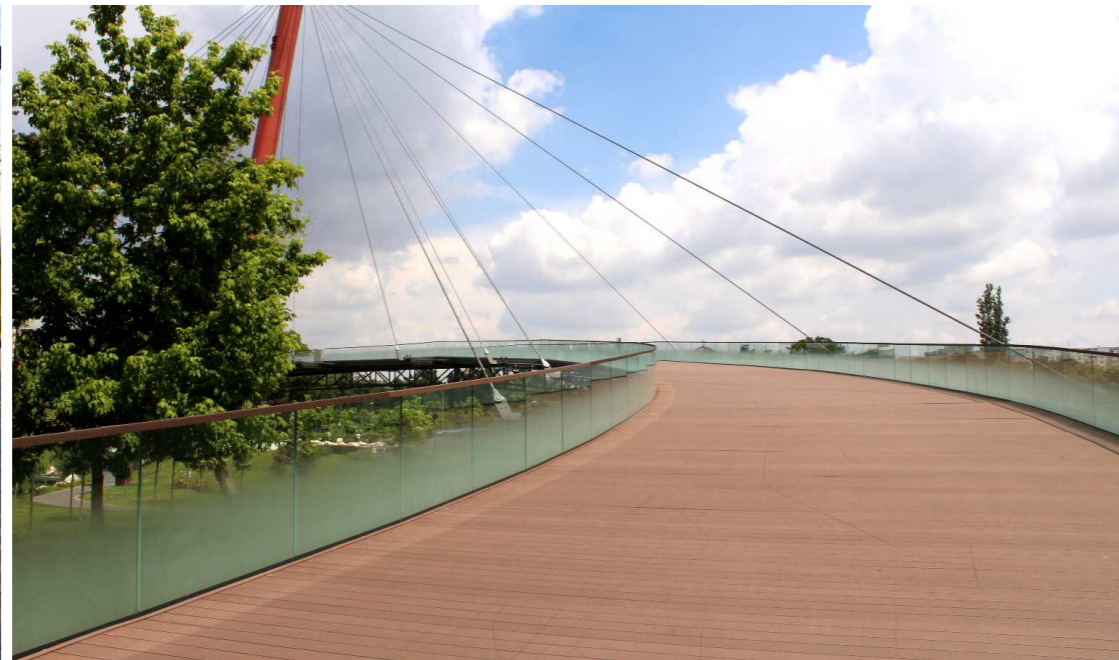


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Model	width	height	length	pieces / sqm	weight / sqm	ribbed sides
1 D 100X20	100 mm	20 mm	4000 mm	2.5	16 kg	1
2 D 128X18	128 mm	18 mm	4000 mm	1.95	17.27 kg	2
3 D 200X27	200 mm	27 mm	4000 mm	1.25	14.50 kg	2
4 D 170X27	170 mm	27 mm	4000 mm	1.47	14.70 kg	2

Commercial traffic deck profiles have wall thickness of more than 6 mm and resist to uniform load up to 400 kg per square meter. Their warranty for this load is 5 years and expected lifetime is more than 15 years.



HEAVY DUTY DECK



	Model	width	height	length	pieces / sqm	weight / sqm	ribbed sides
1	D 142x23	142 mm	23 mm	4000 mm	1.76	14.36 kg	0
2	D 145x28	145 mm	28 mm	4000 mm	1.72	17.93 kg	1
3	D 245x35	245 mm	35 mm	4000 mm	1.02	26 kg	2
4	D 135x25	135 mm	25 mm	4000 mm	1.85	17.80 kg	1

Heavy duty deck 145 X 28 allows 400 mm distance between sustaining keel, compared with commercial deck where this distance is maximum 300 mm

The model 142 X 23 is the only model where gap between 2 successive planks is not more than 2 mm, and is recommended for dancing ring.

The model 245x35 mm allows 700 mm distance between sustaining keel, without bending for 400 kg load per sqm.





The clamps for fixing deck are made in weather proof plastic and if not using them, one cannot claim for warranty.

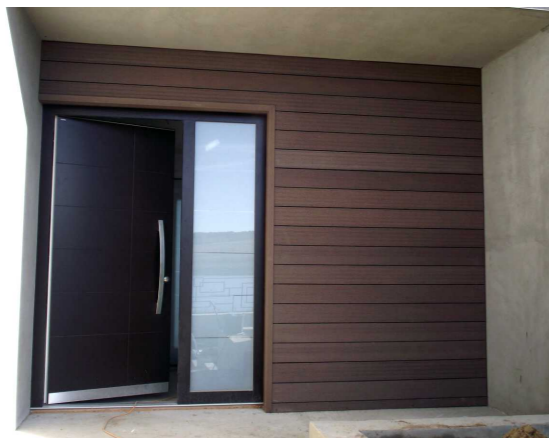
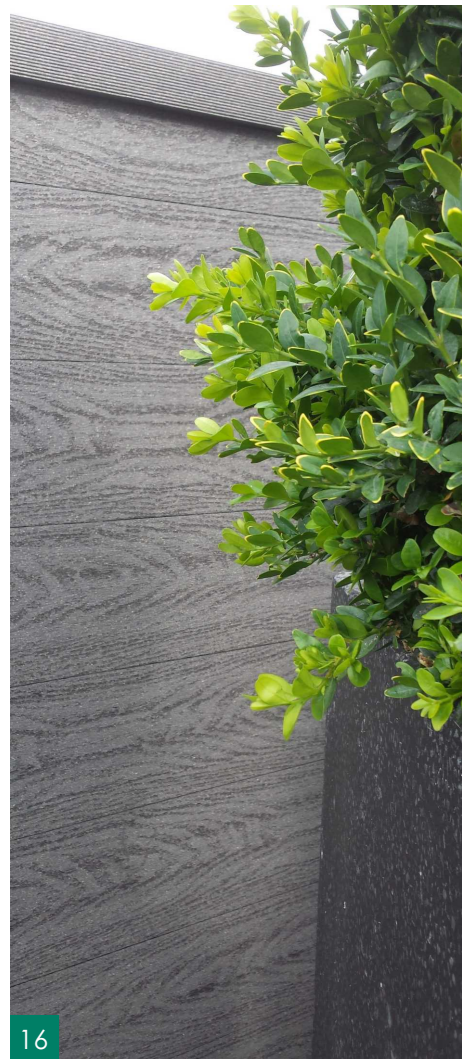
The clamps allow dilatation of planks and maintain an equal space between them for water leakage.

The quantity of sustaining keel and number of clamps depends on type of deck profile and shape of terrace.

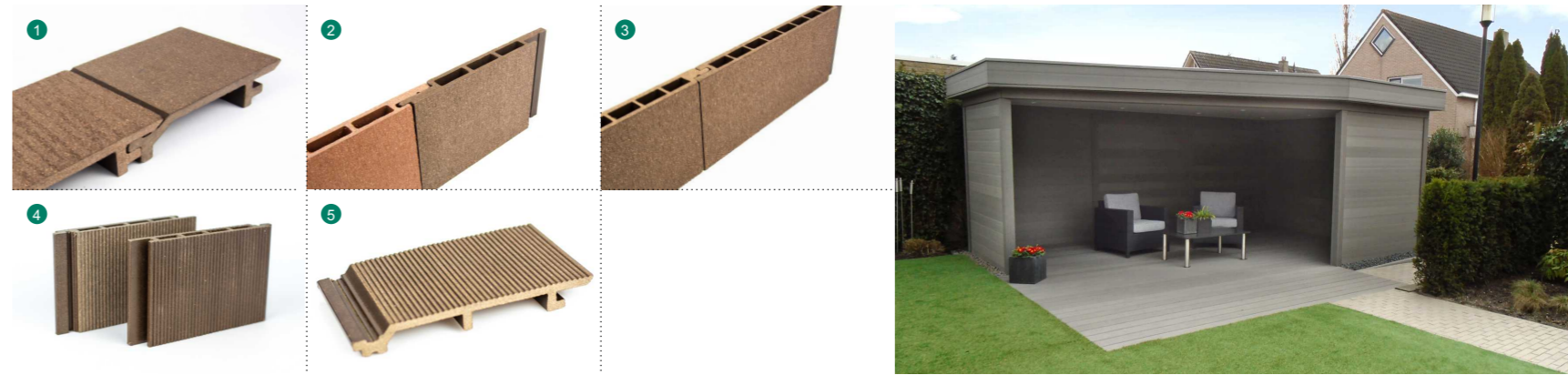
DECK ACCESSORIES : CLAMPS, CORNER & SIDING PROFILES



Model	width	height	length	weight	recommended
1 CH 11	15 mm	11 mm	25 mm	2 g / pcs	D 100X20
2 CH 12	29 mm	12 mm	36 mm	6 g / pcs	D 142X23
3 CH 13	15 mm	13 mm	25 mm	2 g / pcs	D 140X21, D 145x21
4 CH 13.5	20 mm	13.5 mm	36 mm	6 g / pcs	D 145X28
5 CH 14	15 mm	14 mm	25 mm	2 g / pcs	D 135X25, D 170x27, D 200x27
6 K 40 X 22	40 mm	22 mm	4000 mm	0.76 kg / ml	any deck
7 K 60 X 40	60 mm	40 mm	4000 mm	1.65 kg / ml	any deck
8 S 38 X 38	38 mm	38 mm	3000 mm	0.5 kg / ml	any deck
9 S 89 X 38	38 mm	89 mm	3000 mm	0.8 kg / ml	any deck
10 F 70 X 10	10 mm	70 mm	4000 mm	0.8 kg / ml	any deck
11 S 50 X 50	50 mm	50 mm	4000 mm	0.53 kg / ml	any deck
12 K 50 X 30	50 mm	30 mm	4000 mm	1.0 kg / ml	any deck



WALL CLADDING AND SIDING PROFILES



Model	width	height	length	pieces / sqm	weight / sqm
1 L 120X27	120 mm	27 mm	4000 mm	2.08	13.92 kg
2 L 140X18	140 mm	18 mm	4000 mm	1.79	13.21 kg
3 L 245X20	245 mm	20 mm	4000 mm	1.02	13.18 kg
4 L 140x18 R	140 mm	18 mm	4000 mm	1.79	13.29 kg
5 L 150x21	150 mm	21 mm	4000 mm	1.67	11.20 kg

The siding profiles are fixed with woodscrews which are made invisible by the next siding profile to be fixed.

The tight joint of profile 120 X 27 allows it to be used for roofs for light garden small houses.

The plane profiles 140 X 18 and 245 X 20 can be used for compact fence panels.

POST AND PILLARS

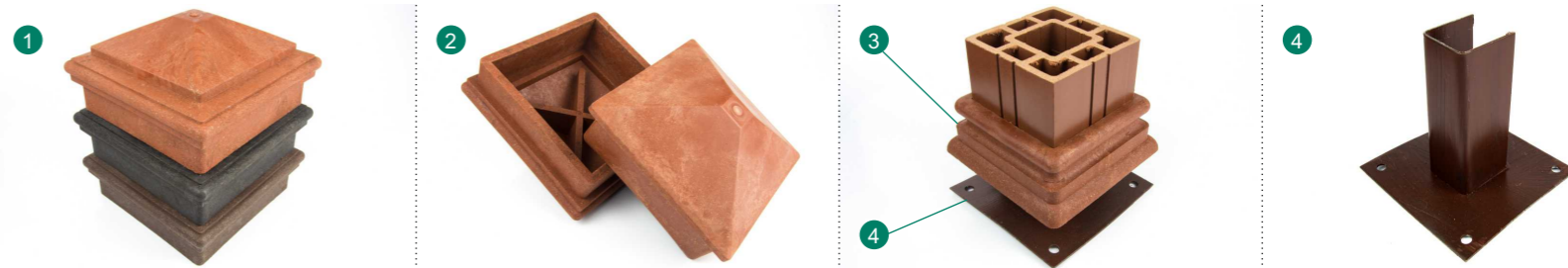


Model	width	height	length	weight / m
1 P 35X35	35 mm	35 mm	4000 mm	0.85 kg
2 P 48X38	48 mm	38 mm	4000 mm	1 kg
3 P 90X90 C	90 mm	90 mm	4000 mm	3.1 kg
4 P 90X90	90 mm	90 mm	4000 mm	4 kg
5 P 110x110 M2	110 mm	110 mm	4000 mm	4.78 kg
6 P 110X110 M1	110 mm	110 mm	4000 mm	5 kg
7 P 120X120	120 mm	120 mm	4000 mm	5.1 kg

18 Quadrat posts as 90 X 90, 110 X 110, 120 X 129 are used for sustaining railings, fences and pergolas. The small 35 X 35 and 48 X 38 posts are used mainly for railing panels.



POST ACCESSORIES



Model	interior dim.	exterior dim.	height	weight / pcs
1 CAP 90	90 mm	106 mm	106 mm	260 g
2 CAP 110	110 mm	123 mm	75 mm	560 g
1 CAP 120	120 mm	135 mm	75 mm	430 g
3 COL 90	90 mm	130 mm	45 mm	200 g
3 COL 110	110 mm	150 mm	45 mm	240 g
3 COL 120	120 mm	161 mm	45 mm	250 g
4 K 130	40 mm	130 mm	110 mm	450 g
4 K 130 C	44 mm	130 mm	120 mm	532 g
4 K 150	60 mm	150 mm	115 mm	700 g
4 K 160	75 mm	160 mm	90 mm	840 g
4 K 250	80 mm	250 mm	300 mm	3000 g
5 F 29X13	29 mm	13 mm	4000 mm	180 g / ml
6 C 21X21	13 mm	21 mm	21 mm	8 g / pcs

Pyramidal caps are used for posts finishing, while quadrat collars are used for hiding the metallic support of posts.

PI profile 29 X 13 is used to close the grooves of channeled post 90 X 90.

Connector 21 X 21 is used to fix post 35 X 35 on handrail 70 X 35 (page 22).

RAILING HOLLOW PROFILES



Model	width	height	length	weight	ribbed sides
1 F 102X20	102 mm	20 mm	4000 mm	1.20 kg	0
2 F 120X24 M1	120 mm	24 mm	4000 mm	1.35 kg	2
3 F 140X35	140 mm	35 mm	4000 mm	2.65 kg	1
4 F 120X24 M2	120 mm	24 mm	4000 mm	1.35 kg	1
5 F 90x21	90 mm	21 mm	4000 mm	1.12 kg	1
6 F 110X20	110 mm	20 mm	4000 mm	1.27 kg	0

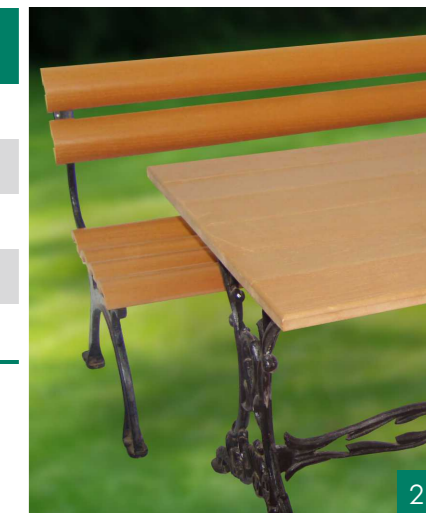
All types of hollow fence planks can be fixed on posts or other plane profiles with appropriate connectors.

FULL PROFILES

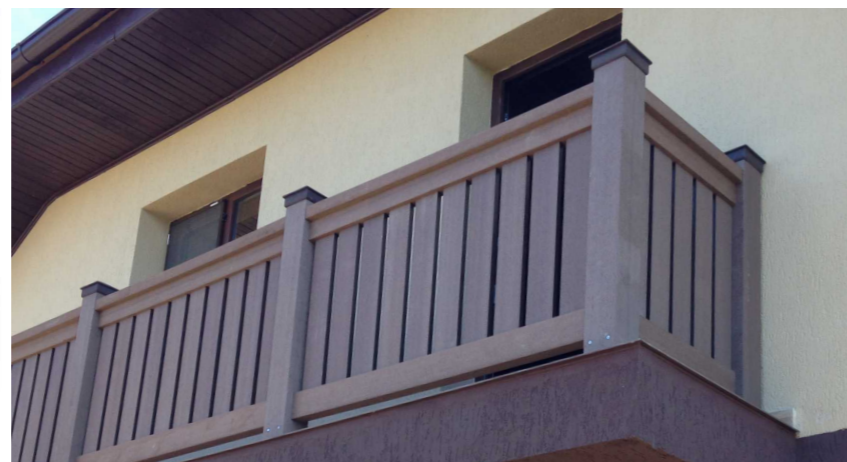
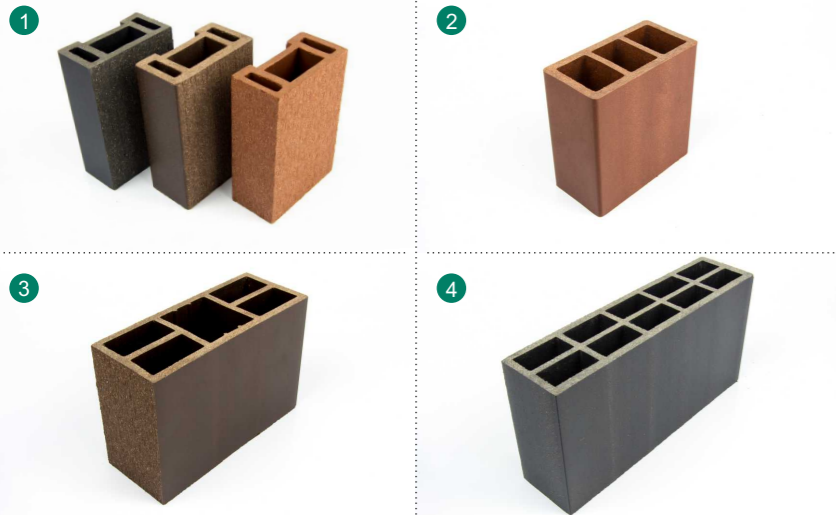


Model	width	thickness	length	weight / m
1 F 70X10	70 mm	10 mm	4000 mm	0.85 kg
2 F 80X35	80 mm	35 mm	4000 mm	3.28 kg
3 F 148X11	148 mm	11 mm	4000 mm	1.96 kg
4 F 50X18	50 mm	18 mm	4000 mm	0.77 kg
5 F 75X30	75 mm	30 mm	4000 mm	1.95 kg

Solid profiles are used mainly for garden furniture and fences.



HANDRAILS, BEAMS



Beams are used for gazebos, pergolas and other small garden constructions.

Model	width	height	length	weight / m
1 70X35	70 mm	35 mm	4000 mm	1.62 kg
2 100x50	100 mm	50 mm	4000 mm	2.40 kg
3 150x60	150 mm	60 mm	4000 mm	3.82 kg
4 200x50	200 mm	50 mm	4000 mm	4.95 kg

