



Save your time and money.

For your house
and garden



Catalogue of products

www.transform.eu

 transform[®]
a.s.
LÁZNĚ BOHDANEČ



Plastic fence profiles

Plastic fence profiles are made in traditional forms, such as massive profiles with an attractive appearance. Coloring is directly incorporated into the material and has the same exceptional durability as the base material TRAPLAST™ and therefore the appearance of the fencing profiles does not essentially change even after many years.

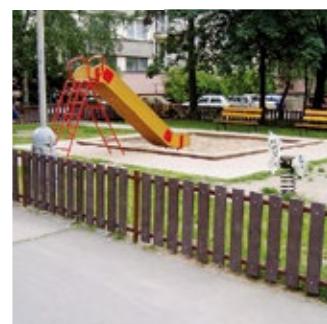
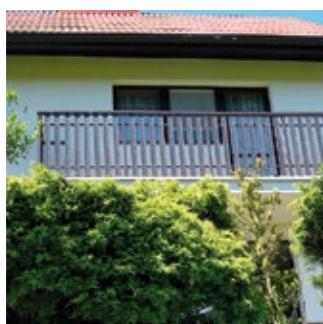
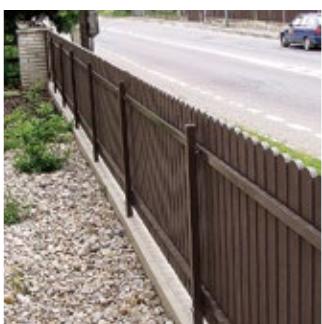
Using profiles when building fences is very beneficial from all aspects – they do not decay, corrode, they do not retain moisture and therefore do not require any maintenance. These profiles can be cut and drilled easily, and further modified as needed with metal or wood working tools. Modified sections do not need to be surface coated thanks to the coloring method of the

material itself. For installation, we recommend using non-corroding joining elements. The fence laths are usually supplied in brown. Upon request of the customer, depending on the required amount, shape and length, production of certain profiles can be arranged in grey, brick red, black or possibly green. The delivery time in this case may exceed 6 months.





Head	Cross section	Article no.	Item name	Weight
		36042	Fence lath 78 x 21 mm, 0.6 m, with semi-round head, brown	0.9 kg
		36082	Fence lath 78 x 21 mm, 0.8 m, with semi-round head, brown	1.2 kg
		36012	Fence lath 78 x 21 mm, 1.0 m, with semi-round head, brown	1.5 kg
		36022	Fence lath 78 x 21 mm, 1.2 m, with semi-round head, brown	1.8 kg
		36052	Fence lath 78 x 21 mm, 1.5 m, with semi-round head, brown	2.4 kg
		36002	Fence lath 78 x 23 mm, 2.0 m, with semi-round head, brown	3.3 kg
		37042	Fence lath 78 x 21 mm, 0.6 m, with triangular head, brown	0.9 kg
		37082	Fence lath 78 x 21 mm, 0.8 m, with triangular head, brown	1.2 kg
		37012	Fence lath 78 x 21 mm, 1.0 m, with triangular head, brown	1.5 kg
		37022	Fence lath 78 x 21 mm, 1.2 m, with triangular head, brown	1.8 kg
		37052	Fence lath 78 x 21 mm, 1.5 m, with triangular head, brown	2.4 kg
		37002	Fence lath 78 x 23 mm, 2.0 m, with triangular head, brown	3.3 kg
		39082	Fence lath 78 x 21 mm, 0.78 m, with plain head, brown	1.2 kg
		39012	Fence lath 78 x 21 mm, 0.98 m, with plain head, brown	1.5 kg
		39022	Fence lath 78 x 21 mm, 1.18 m, with plain head, brown	1.8 kg
		39052	Fence lath 78 x 21 mm, 1.48 m, with plain head, brown	2.4 kg
		35312	Fence lath 50 x 30 mm, 1.0 m, brown	1.4 kg
		35322	Fence lath 50 x 30 mm, 1.2 m, brown	1.8 kg
		35352	Fence lath 50 x 30 mm, 1.5 m, brown	2.1 kg
		35302	Fence lath 50 x 30 mm, 2.0 m, brown	2.9 kg
		33012	Fence lath 79 x 35 mm, 1.0 m, with half-round profile, brown	2.1 kg
		33002	Fence lath 79 x 35 mm, 2.0 m, with half-round profile, brown	4.2 kg
		99402	Square tubing 50 x 30 x 2 mm, 6 m, brown, brick red (can be formatted to the required length)	16.0 kg



New item

New design of fence lath with straight head



Colors are for orientation only.

How to save time and money?

Everyone who takes care of a fence will agree with us: It is not difficult to build a fence, but to maintain it regularly. And it is this time-consuming and demanding maintenance that is no longer necessary with our fence slats. Your fence will be here for good.

Upon the request of the customer, depending on the amount required and the delivery deadline, production of fence slats can be arranged in lengths of 1.0 m, 1.2 m and 1.5 m in grey, brick, green and black. Delivery times in this case vary on a case-by-case basis! There is a 30% additional charge for fence laths in green, and a 10% additional charge for fence laths in grey, black and brick colors. Please study the essentials of working with TRAPLAST™ prior to installation.

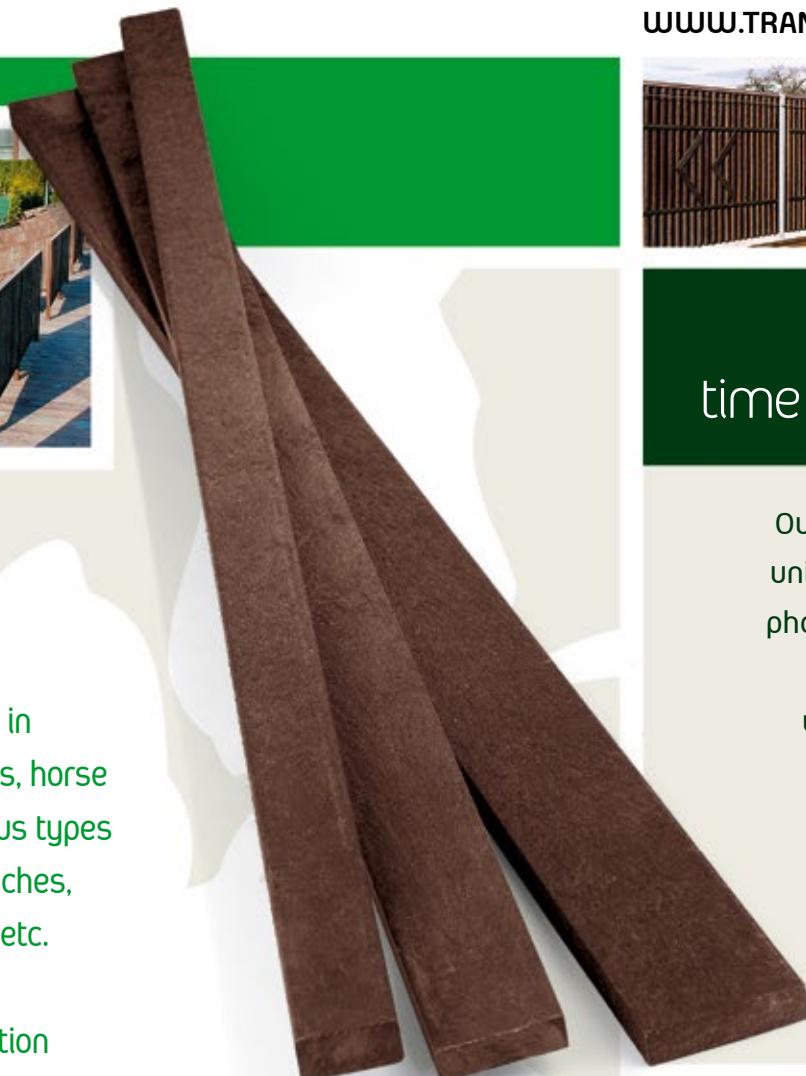


Plastic profiles

Plastic profiles are used in building grazing pastures, horse fields and stables, various types of fencing, pergolas, benches, composts, woodsheds, etc.

They are further used in transportation construction projects as elements of noise barriers, shields against falling rocks and for palisades. They are also used for building municipal furnishings and in park architecture.

Profiles have excellent resistance to the elements, dampness, decay, molds, fungus, parasites and common chemicals. They are non-absorbent, have an easily cleanable surface and do not require any maintenance from a long-term perspective. They can be easily cut, drilled, connected with screws and modified using wood or metal working tools. When working with them, it is advisable to respect the recommended principles of working with TRAPLAST™ material. The fence laths are usually supplied in brown. Upon request of the customer, depending on the required amount (min. 5 tons), production of certain profiles can be arranged in grey, brick red, black or possibly green. The delivery time in this case may exceed 6 months.



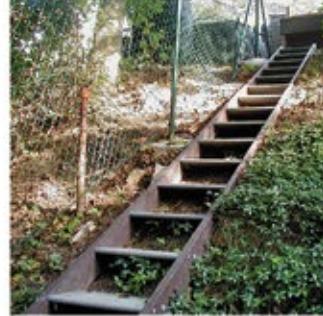
How to save time and money?

Our plastic profiles are universal. A look at the photos on our website, www.recylace.cz, will show you some of what has already been made from the profiles. Let yourself be simply inspired!





Cross section	Article no.	Item name	Weight
Boards			
	41302	Board 100 × 30 mm, 2.0 m, brown	5.3 kg
	41352	Board 100 × 30 mm, 1.5 m, brown	4.1 kg
	43302	Board 130 × 30 mm, 2.0 m, brown	7.1 kg
	43352	Board 130 × 30 mm, 1.5 m, brown	5.3 kg
	49412	Board 120 × 40 mm, 1.0 m, bench, brown	4.2 kg
	49472	Board 120 × 40 mm, 1.7 m, bench, brown	7.3 kg
	49402	Board 120 × 40 mm, 2.0 m, bench, brown	8.5 kg
	49602	Board 120 × 45 mm, 2.0 m, bench, brown	9.6 kg
	49572	Board 120 × 50 mm, 1.7 m, bench, brown	9.1 kg
	49502	Board 120 × 50 mm, 2.0 m, bench, brown	10.7 kg
	49702	Board 150 × 30 mm, 2.0 m, bench seat, brown	8.3 kg
	051	Reinforcement for bench board, 1.68 m, metal, galvanized	1.8 kg
Stable boards			
	48122	Stable board 132 × 21 mm, 1.2 m, with tongue and groove, brown	2.9 kg
	48012	Stable board 132 × 32 mm, 1.0 m, with tongue and groove, brown	4.0 kg
	48022	Stable board 132 × 32 mm, 1.2 m, with tongue and groove, brown	4.4 kg
	48032	Stable board 132 × 32 mm, 1.3 m, with tongue and groove, brown	5.0 kg
	48052	Stable board 132 × 32 mm, 1.5 m, with tongue and groove, brown	5.5 kg
	48222	Stable board 138 × 28 mm, 1.2 m, with tongue and groove, brown	3.8 kg
	48252	Stable board 138 × 28 mm, 1.5 m, with tongue and groove, brown	5.2 kg
Squared timber and other profiles			
	44402	Squared timber 40 × 40 mm, 2.0 m, brown	2.8 kg
	45302	Squared timber 50 × 35 mm, 2.0 m, brown	3.1 kg
	45502	Squared timber 50 × 50 mm, 2.0 m, brown	4.9 kg
	46402	Squared timber 60 × 40 mm, 2.0 m, brown	4.6 kg
	46602	Squared timber 60 × 60 mm, 2.0 m, brown	6.3 kg
	47702	Squared timber 73 × 73 mm, 2.0 m, brown	9.5 kg
	48402	Squared timber 80 × 40 mm, 2.0 m, brown	6.0 kg
	49902	Squared timber 92 × 92 mm, 2.0 m, diamond head, brown	12.4 kg
Posts with point			
	56031	Post diameter 50 mm, 1.3 m, grey	2.2 kg
	56032	Post diameter 50 mm, 1.3 m, brown	2.2 kg
	56561	Post diameter 65 mm, 1.6 m, grey	4.6 kg
	56571	Post diameter 65 mm, 1.9 m, grey	5.7 kg
	58061	Post diameter 80 mm, 1.6 m, grey	6.4 kg
	58071	Post diameter 80 mm, 1.9 m, grey	8.5 kg
	58091	Post diameter 80 mm, 2.6 m, grey	9.4 kg
	59871	Post diameter 98 mm, 1.9 m, grey	12.7 kg





Plastic grassing paving

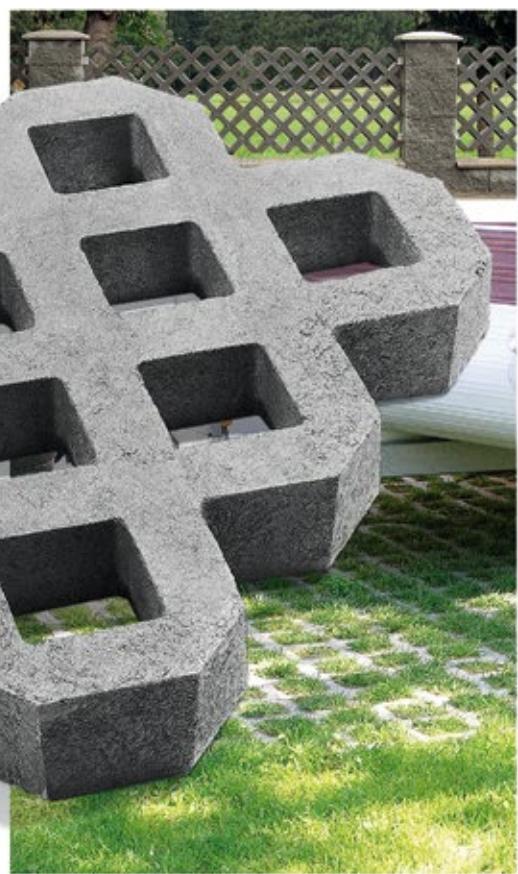
Is made of TRAPLAST™, which gives it its incontestable advantages. These are, in particular, thickness (just 40–60 mm), which minimizes necessity for excavation works and its lightweight, which is 4× less than concrete.

Is made of TRAPLAST™, which gives it its incontestable advantages. These are, in particular, thickness (just 40–60 mm), which minimizes necessity for excavation works and its lightweight, which is 4× less than concrete. This decreases transportation costs as well as physical labor demand for laying. The paving does not get damp, which is why it does not take away precious moisture from greenery in the summer and grassy areas are truly green. In winter it does not freeze over, nor crack. Its easily workable surface enables precise edge shaping,

for example, around drainage shafts, water valves, lighting posts, etc. The paving is ideal for reinforcing access roads, courtyards, as well as parking areas. The paving complies with the relevant standards and thanks to its flexibility, it is even stronger than concrete paving.

The Lite Paving is only 4 cm thick and is designed for bearing passenger and van loads up to a total weight of 3.5 tons. Its price also gives it great advantage!

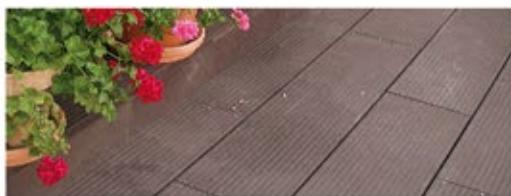
Plastic grassing paving is produced only in gray.



How to save time and money?

Our grassing pavement is very **light**, just 4 (6) cm **thick**, resulting in savings on transportation, earthworks and your strength.

Article no.	Article name	Weight
14401	Grassing paving Lite – 60 × 40 × 4 cm, grey	4.8 kg
18401	Grassing paving VD600+ – lightweight, 60 × 40 × 6 cm, grey	6.3 kg
18601	Grassing paving VD800+ – lightweight, 80 × 60 × 6 cm, grey	12.6 kg
16801	Grassing paving VD1200, 120 × 80 × 6 cm, grey	30.2 kg



Grooved decking boards

Even these boards are made of TRAPLAST™ and are designed for creating varied walking surfaces such as terraces, balconies, outside seating of restaurants, piers, areas around swimming pools etc. The boards are extremely resistant to weather conditions.

These boards are extremely resistant to weather conditions, decay and moisture. They have a natural look and a long service life. They are able to fully substitute similar products made of exotic wood. Both sides of the board have water drain grooves of different density and shapes, which allows the customer to choose the look of the deck surface.

Brief assembly instructions

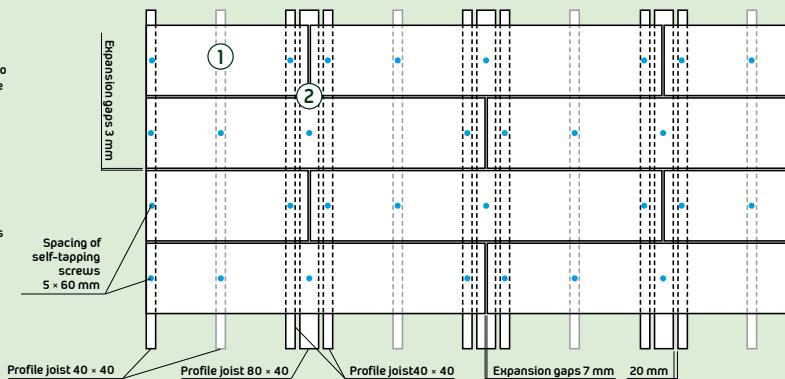
Due to temperature expansion, installation of decking boards should be performed in temperatures of around 20 °C. In significantly varying temperature conditions, it is necessary to take into account the expansion range and compensate with expansion gaps.

Base – the base structure and laying of the boards

The surface on which the boards are placed must be firm, level and stable. The construction is made of triple joists in an

arrangement of 40 × 40; 80 × 40; 40 × 40 (see drawing). If conditions permit, it is advisable to attach the center joist firmly to the base surface. To increase the firmness of the terrace, we recommend supplementing the construction with a joist as shown on the drawing. This same drawing can be used to lay decking boards that are screwed to the construction "at the bond" (only the board that is laid with its center, not its edge, on the center base joist 80 × 40 is attached to it. The edges are then attached to the 40 × 40 joist). This spreads the expansion gaps along the individual segments of the entire deck. For the installation, we recommend using coated, self-tapping screws with an inset head, 5 × 60 mm, which are screwed into the boards so that the top of the screw is at exactly the same level as the board surface. Holes for screws must be pre-drilled into the decking boards at a size at least 2 mm larger than the diameter of the screw itself. The expansion gaps between the

perpendicular and parallel sides of the boards, as well as the distance between the individual profiles are stated on the drawing. These values must be adhered to during assembly. An expansion gap of at least 15 mm must be left between the base construction, wall and board. If the deck is not adjoining a wall, it is necessary to edge the deck with an appropriate edging element, such as, for example, a garden curb. This will prevent undesired shifting of the deck.



Article no.	Article name	Weight
65151	Grooved deck board 1500 × 140 × 30 mm, grey	6.3 kg
65152	Grooved deck board 1500 × 140 × 30 mm, brown	6.3 kg
65351	Grooved deck board 1500 × 330 × 30 mm, grey	14.5 kg
65352	Grooved deck board 1500 × 330 × 30 mm, brown	14.5 kg

How to save time and money?

Even if you use extremely expensive exotic woods for your deck, you will still need to weatherproof them with expensive oils. Despite this, in time they will lose their original look and become an unattractive grey. With TRAPLAST™ you will be satisfied forever!



Garden stepping stones

The original, eye-catching shape of the plastic stepping stones enables you to create, quickly and easily, hard pathways of various forms in gardens and parks.

Three robust protrusions on the bottom of the panel ensure perfect fixation in the terrain. Laying the panels does not require any greater ground work and is physically undemanding. It is up to your imagination whether you will create a straight walkway or the one zigzagging across your garden beautifully. It will always contribute to its unique character. The tread panels are made of TRAPLAST™ material, the properties of which determine its indisputable advantages – it doesn't decay or corrode, doesn't absorb moisture, is color-fast and therefore doesn't require any maintenance.

Panels are manufactured only in gray.



How to save time and money?

Creating a **path**
with our **garden**
stepping stones is
really a **piece of cake**.



Article no. Article name

Weight

26501 Garden stepping stones, diameter 400 mm, grey

2.8 kg

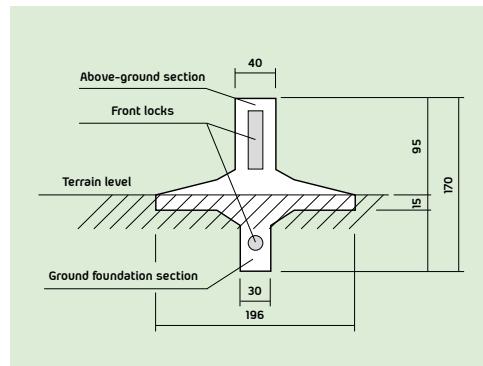


Light fence footing

Construction-wise, plastic fence footing is designed very effectively. Its use is simple and thanks to the fact that the underground part of the base consists of a fixation rib, which stabilizes its position in the terrain. Front locks prevent mutual deviation of individual sections.

The covering wings on either side of the base create surfaces without grass and weeds. Thanks to this it is possible use all types of lawn mowers without restriction when cutting close to the fence. This virtually eliminates the need for additional manual cutting. The base also prevents seepage of ground moisture into the fence. The elevated aboveground part ensures that the fence sections

place above the terrain are protected from ground moisture. At the same time animals are prevented from entering the fenced property. The base is used in building chain-link fences and post fences of all types and even in repairs and maintenance of existing fencing. Wire fencing can best be attached to the base using self-tapping screws, which at the same time prevents warping of its lower edge.



How to save time and money?

The well-thought out shape of the light fence footing enables mowing right up to the fence and cutting the grass all at once. Most importantly, you do not have to dig a deep trench or build casing and mix cement to build a new foundation for a fence.



Article no.	Article name	Weight
27521	Light fence footing 196 x 170 mm, 1.2 m, grey	10.5 kg



Plastic garden curb

This product is a unique helper for simple bordering of anything. From garden patches to paths.

The main benefit of this product is the absolutely maintenance-free material, TRAPLAST™, which does not absorb water, so that the surrounding soil does not lose moisture, does not decay and resists all parasites. For simple installation, both ends of the curb are molded into locks that snap into each other.

Article no.	Article name	Weight
23521	Garden curbing – 180 × 30, 1.2 m, grey	5.0 kg
25521	Garden curbing – 240 × 30, 1.2 m, grey	6.8 kg



Plastic palisade

If you need to reinforce sloped terrain or create a terrain step, we have the ideal helper – plastic palisades. This product fully replaces similar, difficult to handle and unattractive concrete products and will look really nice in your garden.

Excellent reinforcement of sloped garden terrain, borders flowerbeds and pathways, creates a natural path through various garden levels – palisades are simply a pillar of experiments in garden architecture. Just use them for creating herb spirals and raised herb beds. By imbedding them in the ground you will prevent the natural bending of the material. As with all of our products, even this one is made of recycled TRAPLAST™, resistant to natural forces and mainly – not requiring even minimal maintenance.



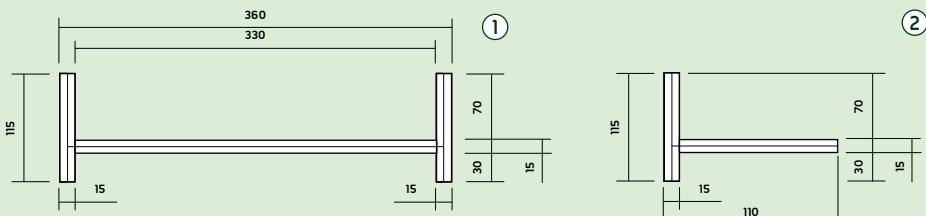
Article no.	Article name	Weight
99570	Palisade 190 × 21 × 1 010 mm – flat, brown	4 kg
99571	Palisade 190 × 21 × 1 010 mm – flat, brick red	4 kg
99572	Palisade 190 × 35 × 1 010 mm – semi-circular, brown	5.5 kg
99580	Palisade 290 × 21 × 1 010 mm – flat, brown	6 kg
99581	Palisade 290 × 21 × 1 010 mm – flat, brick red	6 kg



Plastic garden walkway and curb

How to save time and money?

Weeds simply do not grow on paths made of our garden walkways, and this saves your time. Do you want to rearrange the flowerbeds? Don't buy new ones, just relocate them!



Article no.	Article name	Weight
22501	Garden walkway – 360 × 115, 1.2 m, grey ①	10.7 kg
25721	Edging curb – 110 × 115, 1.2 m, grey ②	5.2 kg

Using pavements is invaluable in building paths between flowerbeds, in the garden or in greenhouses. These paths do not require maintenance, are always clean and dry because the walking surface of the walkway is made of plastic paving.

An advantage that cannot be overlooked is that the raised edge of the walkway paving on both sides also acts as a flowerbed curb. The walkway is fitted with lengthwise fixing ribs and full locks. That is why the walkways hold direction well and will border gardens flawlessly. The walkways can handle the load of any garden equipment any risk of damage. The actual installation is very simple and physically undemanding. When changing the layout of the flowerbeds, it is possible to take everything out with no problem and use again in a different place. The good workability of these walkways allows for easy creation and even crossing of paths. The edging curbs are fitted with front locks, they are light and can be slightly reshaped.



Plastic boards

Smooth-surface boards are used in particular in agriculture and in construction, for example, as separating walls and wall tiling in stables, and dividing walls for pigs. They are further used in building skate park obstacles or as protection for flooring during building renovation and in many other, similar cases.

In combination with plastic profiles, these boards are appropriate as a building material for various purposes; for example, composters, rabbit hutches, etc. Fence boards with a design are used primarily in construction as a material for building noise barriers or various types of full fencing. On their longer side, these boards are made with a half-groove, which, when used for fences makes them non-transparent. Their incontestable advantage is fast and easy

assembly, without the necessity of any kind of mechanization. All boards have a visible, technological inflow on their reverse side (see photo in the section on essentials of working with TRAPLAST™).

All types of boards can be shaped as required by the customer. Their further processing is possible with tools designed for working with metal or wood.



How to save time and money?

Have you decided to build something else and are in need of a resistant, maintenance-free material that is easy to shape? Forget about wood or concrete! Our plastic boards are your ideal solution!



Article no.	Article name	Weight
61751	Smooth board 1500 × 800 × 17 mm, grey	20.5 kg
62001	Smooth board 2000 × 800 × 20 mm, grey	29.9 kg
62002	Smooth board 2000 × 800 × 20 mm, brown	29.9 kg
63002	Board with design × 800 × 30 mm, fencing, brown	30.5 kg
63502	Board with design 2000 × 800 × 30 mm, fencing, brown	38.2 kg



Plastic shipping pallets

These pallets are resistant to the weather elements, dampness, molds, fungus, parasites and common chemicals.

Their surface can be cleaned and does not require any maintenance. Because the pallets, due to their construction, sit within one another, you will save 40% of space, when storing and transporting them. Usually they are made in two variations. Smooth, or with a stabilizing edge, which prevents the slippage of goods loaded onto them. The pallets are made of a unified, compact pressing and therefore do not fall apart or chip even with frequent use. Following the passing of their lifetime they are once again fully recyclable.

TRAPLAST™, from which they are made, meets even stringent hygiene regulations and therefore they are ideal not just for "clean" processes, but also for exporting.

Article no.	Article name	Weight
82008	Shipping pallet – 1200 × 800 – T09, MIX	23.0 kg
82108	Shipping pallet – 1200 × 800 – T09, with edge, MIX	23.0 kg
83008	Shipping pallet – 1200 × 1000 – T63, MIX	24.0 kg
83008	Shipping pallet – 1200 × 1000 – T63, with edge, MIX	24.0 kg



Plastic cable ducts

These consist of the actual duct and a cover. They are made of TRAPLAST™ – carefully recycled mixed plastics with a majority content of polyolefin.

They are resistant to weather elements, common acids and alkalis, gasoline, mineral oils and other things. They excel in their high mechanical resilience. They are used in normal conditions when laying high-voltage cables (LV and HV) and communication cables as their protection against mechanical damage in all cases set forth in CSN 341050. Individual trays are fitted with locks. The cable trays have the corresponding certifications and test results.

Article no.	Article name	Weight
71008	Tray small 100 × 100 mm, 1.2 m, MIX	6.6 kg
71021	Cover small 100 × 100 mm, 1.2 m, grey	3.5 kg
73008	Tray medium 130 × 130 mm, 1.2 m, MIX	8.4 kg
73021	Cover medium 130 × 130 mm, 1.2 m, grey	3.9 kg
75008	Tray large 200 × 130 mm, 1.2 m, MIX	10.0 kg
75021	Cover large 200 × 130 mm, 1.2 m, grey	6.4 kg



Plastic composter

Composters made of resistant and maintenance free material are useful helpers, thanks to which you can rid yourself of worries of what to do with kitchen and garden waste. Composters create full value fertilizer from leftover fruit, vegetables and other natural waste. This way you can make use of 30% of household waste. Excellent air circulation and the bottomless construction ensure perfect compost.

Article no.	Article name	Weight
99550	Composter 1 400 x 1 400 x 1000 mm (1 500 l)	154 kg



Plastic benches

Benches made of TRAPLAST™ are very practical and resistant to natural elements. They are not painted, they do not decay and can be easily cleaned. They do not need to be put into storage in the wintertime. They will maintain their attractive appearance unchanged for many long years.

Plastic bench medium

Article no.	Article name	Weight
99510	Bench with backrest, length 1.5 m / 38 cm, brown	30 kg

You can find an overview of all other types of benches and their prices at: www.recylace.cz.



Plastic strawberry grower

Article no.	Article name	Weight
99560	Pyramid for strawberries 5-storey 2 000 x 2 000 x 1 000 mm	103 kg

Do you have little room, but would still like to grow strawberries? We can offer a very effective solution. On an area of 2 x 2 m, you can successfully grow up to 70 plants. Assembly is very simple, as well as dismantling. You can use all five storeys.

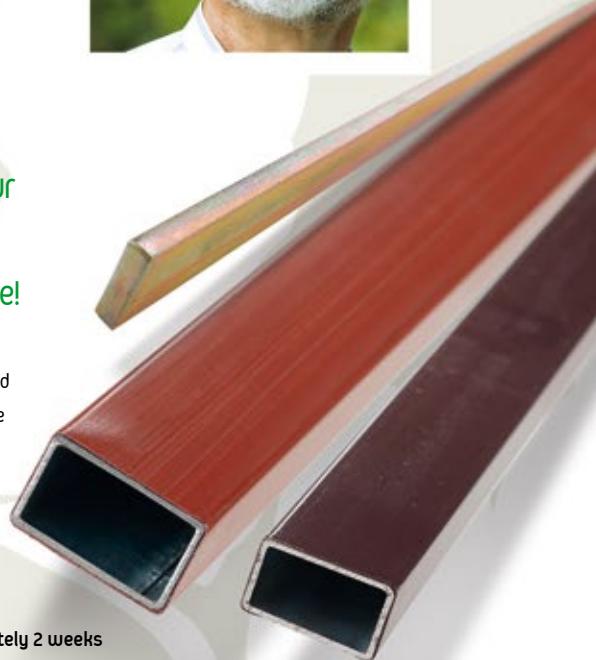


Services and accessories

For your maximum satisfaction, we will cut our products according to your needs. We are newly offering hollow square tubing, end caps and joining material. Now you can find everything you need for your work in one place!

Cutting one fence lath is certainly nothing complicated, but when there are tens or hundreds of them, it takes up some time. Fortunately, TRAPLAST™ can save you time by formatting our products without any, even minimal, cost to you. And because some of your

products require steel construction elements, we have those too, newly included in our assortment and we can cut those as well. In addition to this, we have screws and plugs, and deliver them.



Square tubing

Vertical construction elements. Heat-galvanized steel profiles with a plastic surface coating.

Only square metal tubing of 6 m is in stock. Other lengths are made to order with a delivery time of approximately 2 weeks

Article no.	Article name	Weight
99422	Square metal tubing 50 × 30 × 1.8 mm, length up to 2 m, zinc + plastic, brown and brick colors	5.2 kg
99432	Square metal tubing 50 × 30 × 1.8 mm, length up to 3 m, zinc + plastic, brown and brick colors	8.0 kg
99442	Square metal tubing 50 × 30 × 1.8 mm, length up to 4 m, zinc + plastic, brown and brick colors	10.4 kg
99402	Square metal tubing 50 × 30 × 1.8 mm, length up to 6 m, zinc + plastic, brown and brick colors	16.0 kg

Joining elements

Article no.	Article name
99301	Self-tapping screw 4.2 × 38 mm, galvanized, white, inset head
99302	Self-tapping screw 4.2 × 38 mm, galvanized, white, cut head

Accessories

Article no.	Article name
99448	Post plug 50 × 30 mm, plastic, brick red
99449	Post plug 50 × 30 mm, plastic, brown
051	Bench board reinforcement 1.68 m metal, galvanized



Saw cutting service

Upon your request we will format products to the required length. Cut-offs are not sent unless requested.

Post cutting service

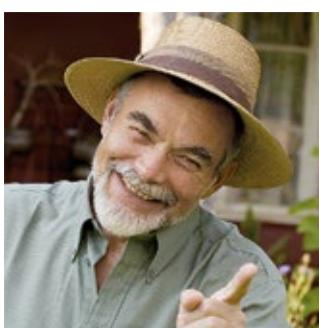
We will prepare square posts to the required length. Cut-offs are not sent unless requested.

Shipping

We will arrange shipping for you as needed

More information at:

Toll-free line 800 139 416
or obchod@recyklace.cz

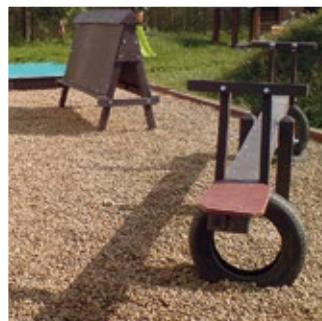


Made of TRAPLAST™

Your ideas, inspiration for others



Children's sandbox



Children's playground



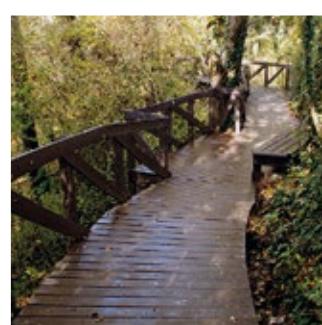
Children's slide construction



Snow shelter



Children's playhouse



Bridge in natural park



Children's bench



Children's bench



Stabling



Road playground of plastic boards



Bike rack



Trash bin station



Bulletin boards



Racecourse barrier



Balcony made of deck boards



Garden seating



Summer restaurant garden



Seats



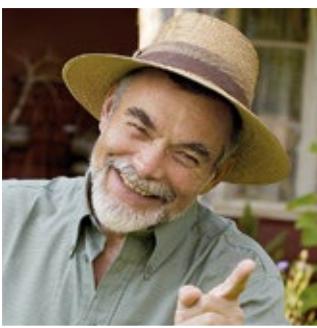
Children's bench



For young mountaineers



Garden hut



Essentials of working with products made of TRAPLAST™

Plastic products made of TRAPLAST™ are similar to other materials in terms of change in temperature with a heat expansion in the range of $1.2\text{--}1.8 \times 10^{-4} \text{ K}^{-1}$, which is higher than that of the

coefficient for wood and metal. Heat expansion dictates the change in length of a 1 m long plastic profile with a change in temperature of 1°C . For the following table:

Temperature change	Profile 1 m	Profile 2 m
$\Delta 20^\circ\text{C}$	3 mm	6 mm
$\Delta 40^\circ\text{C}$	6 mm	12 mm

The stated values it follows that it is necessary to count on a sufficient expansion will. Its size is set with regard to the method of us, size of estimated temperature range to which the product will be exposed, construction materials used, method of attachment of the segments, spacing of join points, etc. When attaching using screws, it can, in general, be recommended to drill holes with a larger diameter for screws, and to not tighten the screws to their limit. For other methods of assembly, a large expansion gap should be left (fig. 1 and 2). To ensure first-rate results, it is important to maintain this principle. Products made of TRAPLAST™ are weather stable, are not subject to the effects of molds, fungus and chemicals. They can be worked with tools used for metalworking, or potentially woodworking. For cutting materials made of TRAPLAST™, we recommend using a tungsten carbide blade. Plastic profiles are very sturdy. Nevertheless, in comparison to classic wood profiles, they have a higher bending range. In uneven temperature conditions, temporary shape changes may occur. The temperature resistance of the products made of TRAPLAST™ is -30 to $+70^\circ\text{C}$. When anchoring the products into the ground, it is possible to use concrete. For better fixation of plastic profiles, we recommend anchoring the bottom section in concrete, using nails or screws, for example. TRAPLAST™ products can be successfully coated using coatings or paints by Sokrates or Luxol. Highly demanding

applications and structural solutions should be consulted directly with the manufacturer.

Plastic grassing paving

The performance of reinforcement of grass surfaces should comply with ČSN 736131-3 including soil treatment, performance of foundation laying and load-bearing layers, as well as in the building materials used. All construction works must be performed, traffic organization measures and renewal of parking lots must be upheld in compliance with this standard. The vegetation sections must be laid so as to preserve a space of at least 10 mm and the side of the section with the smallest openings be turned facing downwards to the load bearing layer. Lite Grassing paving is designed for personal and utility vehicles weighing up to 3.5 t. Based on our experience as well as the experience of our customers, it is sufficient for driving passenger vehicles adjacent to family homes, cottages, garages and in gardens, when placed on a well-packed ground layer with approximately 10 cm of again well-packed, seeded topsoil mixed with sand with grains of 0–4 mm. For the reinforcement of surfaces for trucks, buses and tractors weighing more than 3.5 t. Golem grassing paving should be used. According to the standard ČSN 736131-3, the ground for its placement should be two-layered. For the bottom layer of 100 mm we recommend gravel with a grain size of 0–32 mm. Following its packing, a top layer of sand or fine gravel sized from 50–100 mm should be placed on top. The pavers are laid on this prepared base and covered with appropriate soil mixed with grass seeds. In general, it follows that

Fig. 1

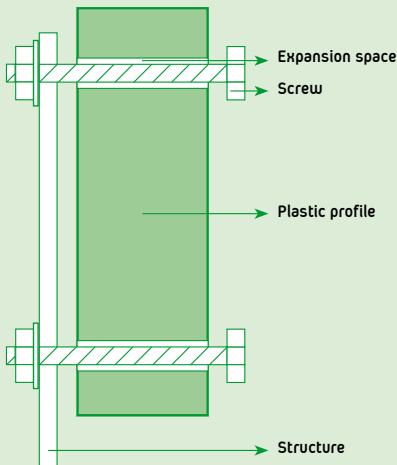


Fig. 2

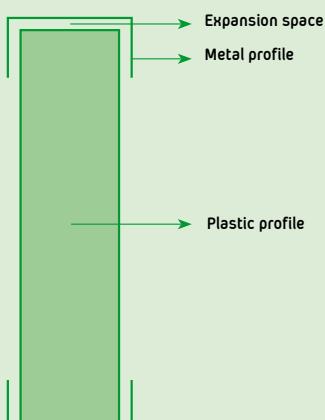
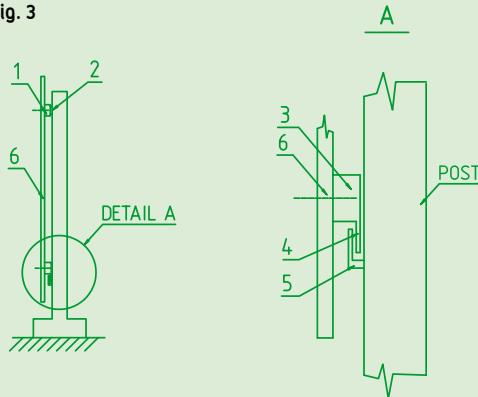




Fig. 3



Legend

- 1 Upper load-bearing profiles
- 2 Base offence post
- 3 Lower profile
- 4, 5 Unfixed attachment (see photo)
- 6 Fence boards

Detail of unfixed attachment



in all cases you should only cover the eyelets of the pavers to $\frac{1}{3}$ of their height, so that the grass clumps do not exceed the top edges of the paving once they take root.

Plastic fences

To build a fence from our elements, plastic laths should be used, which are attached using galvanized, self-tapping screws to horizontal beams. These are made of heat-galvanized square metal tubing that is further coated with plastic, which greatly increases its lifespan. In order to avoid bending of fence laths, or other warping of the fence section, it is necessary to attach the lower, horizontal beam to the posts so that it can "move" downward and upward approximately 10–15 mm (a proposal for an appropriate solution is shown in fig. 3, close-up A). In this way, heat expansion of the plastic material is virtually eliminated because the beam can move up or down.

Another method of installation, where both beams are firmly affixed to the fence posts and a heat expansion gap must be pre-drilled into each fence lath, is more labor intensive, time consuming and does not guarantee that the fence laths will not warp or the screw holding the lath to the beam will not be torn due to heat expansion. Using our plastic profiles as horizontal beams for building a fence is appropriate only for short and low fences; for example, for fences that are only for optical division of a garden. In this case, however, the fence section must not be longer than 0.75 m, otherwise, there is danger of warping due to the heat expansion characteristics of the material.

Entry gates and driveway gates

The load-bearing construction of big and large gates is essentially made of classic materials; ideally out of metal profiles, to which plastic fence laths are attached using gate screws (see fig. 1). Prior to this, however, it is necessary to pre-drill a hole at least 2 mm larger than the diameter of the screw into the metal structure. This expansion gap cannot be pre-drilled into the fence laths, as standard gate screws have a gripping surface under the head, which, when attaching fence laths, gets pushed into fence lath and eliminates the expansion gap effect. For flexibility of the join, it is necessary to place a washer under the nut. Nuts are not tightened to their limit, but just enough so that the fence lath can react to temperature changes in the join. We recommend consulting use of other structures with the manufacturer.

Other products

The range of use of plastic posts is relatively broad (pastures, vineyards, orchards). Plastic posts can be used even in building wire fences (the recommended chain link height is up to 1.5 m). When building the fence, we recommend alternating the plastic posts with metal ones and in no case is it possible to use them as corner posts or end posts.

Storage

Products made of TRAPLAST™ are stored on shipping pallets, which must be placed on reinforced, level floors. Storage is possible in a maximum of two levels. If a shipping pallet is unavailable, store the products so that they lie on a level surface for their entire length. In

the opposite case, especially during lengthy storage, there is a risk of warping.

Colors and color permanence

Colored products are colored within the material. Nevertheless, they may contain spots of different colors up to a size of 1 cm². Individual products can, just as in the case of natural materials, differ from each other. Weather elements can result in changes of original color of TRAPLAST™ materials to lighter shades, so called patina. These color changes cannot be acknowledged as claims of defect.

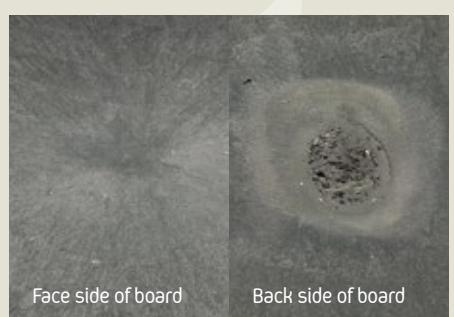
Dimensions and weight

Product dimensions are measured at a temperature of 20 °C and are valid within the following tolerance:

up to 100 mm	± 3 mm
100–1000 mm	± 20 mm
over 1000 mm	± 30 mm

Stated weight ± 10 %.

Detail of technological inflow on smooth boards



Your sales representative for TRAPLAST™ products:



Transform a.s. Lázně Bohdaneč



The Green Way

Since 1992, Transform has had its seat in Lázně Bohdaneč. This is a modern facility for the efficient use of plastic waste from municipal and industrial sources, which prior to this used to end up unused in landfills. The goal of the Transform joint-stock company is to gradually expand its product line, improve its quality and useful characteristics so as to increase the possibility of the use of these products. The activities of Transform in their full scope are focused on ecology, because they return

materials made from non-renewable sources to the product cycle. By using products from Transform, you too can have a positive effect on the state of our environment. Transform a.s., Lázně Bohdaneč holds a certificate of quality in accordance with ISO 9001:2009 as well as certification of a professional waste processing enterprise.



Call toll free **+420 800 139 416**

Opening hours at our new production facility in Lázně Bohdaneč are on working days from 8.00 to 11.30 and from 12.30 to 15.00.

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