

**PRODUCT CATALOGUE**

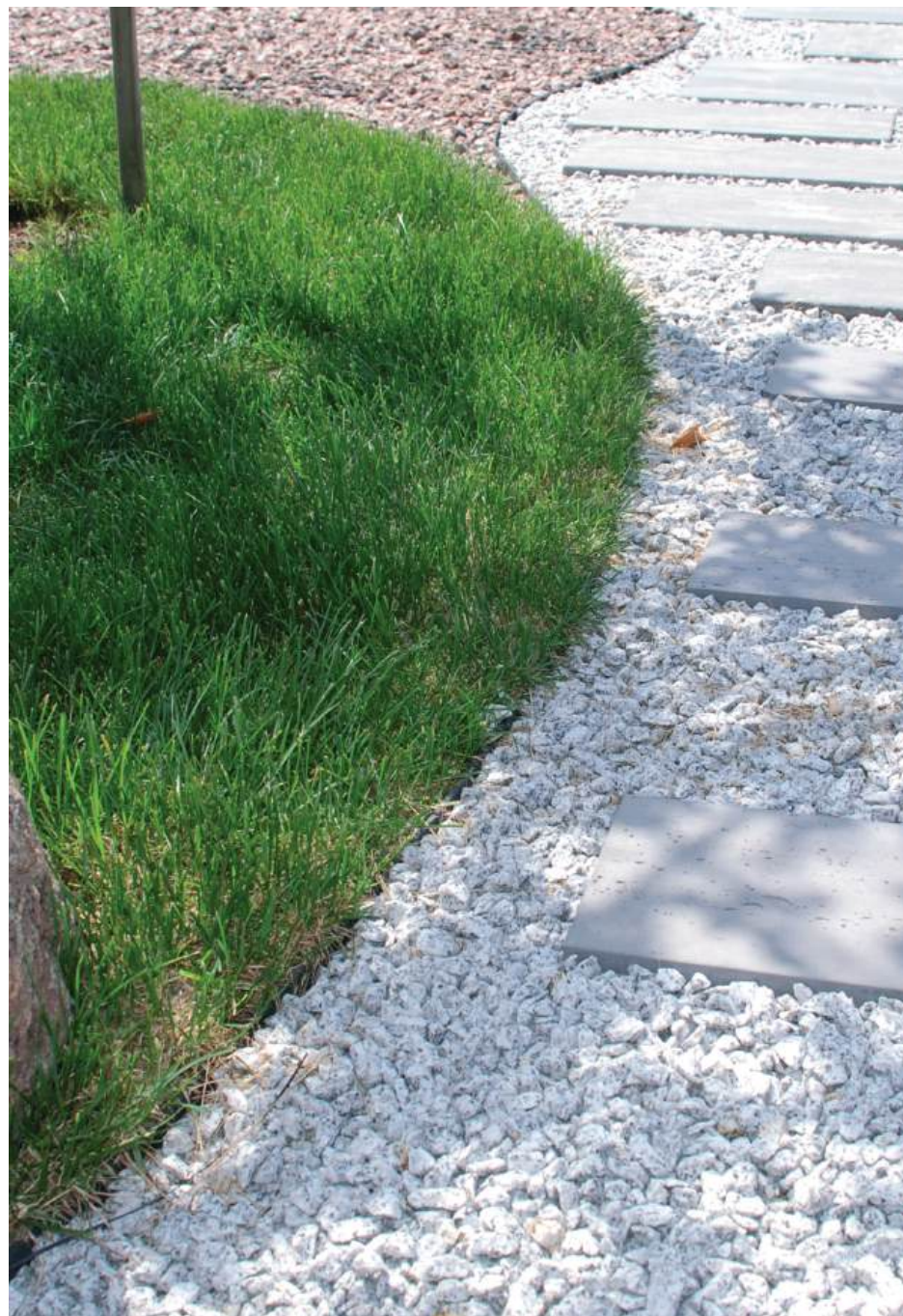
**UNIVERSAL EDGING SYSTEMS**  
FOR ALL TYPES OF SURFACES

**EKOBORD.PL**



## Table of Contents

Eco Bord edging systems	- p. 4
Eco-Palisade	- p. 10
Terrace supports - ABC system	- p. 12
Terrace supports - XYZ system	- p. 14
Eco-Wave	- p. 16
Eco-grates	- p. 19
Nails	- p. 22
Spacers and spacer crosses	- p. 23



The ECO-BORD SYSTEM firm was established in 2000. It was the first company in Poland to present an innovative product, i.e. the ECO-BORD UNI lawn edging system. Since then, it has won the respect of many pavers, contractors, and landscape designers across the country.

In order to complete our product range, we added new product heights to our offer in 2009: 27mm (Eco-Bord Mini) and 78mm (Eco-Bord Grand).

After taking a closer look at the market for garden edging systems, we decided to introduce another product in 2010 – Eco-Palisade, an alternative to wooden fences and palisades, which is perfect for marking out paths, separating flower beds and building garden pavements.

In 2015, we began working on the production and launching of innovative systems of terrace supports and pedestals, allowing the installation of (ceramic, concrete or stone) tiles or joists with terrace boards.

Our biggest goal is the satisfaction and happiness of our customers.

ECO-BORD SYSTEM manages plastic waste, using it in the production of ECO-BORD Universal Edging Systems. We recycle as much as several hundred tons of this waste material per year, and, at least in this way, we are able to contribute to environmental protection.



## One product, many possibilities

**EKO-BORD** is a universal edging system for all types of pavement: paving stones and granite paving stones, paving slabs, clinker paving, as well as gravel and soil surfaces.

### The main advantages of ECO-BORD are:



The possibility of creating free non-straight pavement edges, especially when using paving stones. Thanks to its design, ECO-BORD is an unobtrusive element of pavement.



With "ECO-BORD" you can mark out and mark off any shape of gravel or grit paths, including pedestrian or bicycle paths in parks and green areas of cities. It can also be successfully used as a separation between lawn and farmland.



Quick and easy installation and no need for excavation significantly reduces the cost and labour intensity of pavement construction.



ECO-BORD is made entirely of recycled materials, which, in an era of increasing amounts of waste, is important for environmental protection.



## EKO-BORD **MINI**

Height	27 mm (+/- 2 mm)
Width	65 mm (+/- 2 mm)
Length	1000 mm (+/- 5 mm)
Weight	0,3 kg (+/- 0,05 kg)



## EKO-BORD **UNI**

Height	45 mm (+/- 2 mm)
Width	80 mm (+/- 2 mm)
Length	1000 mm (+/- 5 mm)
Weight	0,45 kg (+/- 0,05 kg)



## EKO-BORD MAX

Height	58 mm (+/- 2 mm)
Width	80 mm (+/- 2 mm)
Length	1000 mm (+/- 5 mm)
Weight	0,5 kg (+/- 0,05 kg)

## EKO-BORD GRAND

Height	78 mm (+/- 2 mm)
Width	85 mm (+/- 2 mm)
Length	1000 mm (+/- 5 mm)
Weight	0,7 kg (+/- 0,05 kg)



## EKO-BORD **BIG**

Height	100 mm (+/- 2 mm)
Width	85 mm (+/- 2 mm)
Length	1000 mm (+/- 5 mm)
Weight	0,8 kg (+/- 0,05 kg)



## EKO-BORD **UNI PLUS**

Height	45 mm (+/- 2 mm)
Width	80 mm (+/- 2 mm)
Length	1200 mm (+/- 5 mm)
Weight	0,5 kg (+/- 0,05 kg)



## WAVE-BORD 40

Height	40 mm (+/- 2 mm)
Width	75 mm (+/- 2 mm)
Length	1000 mm (+/- 5 mm)
Weight	0,27 kg (+/- 0,05 kg)

## Intended Use

	Mini	Uni	Max	Grand	Big	Uni Plus	Wave Bord
Paving stones height 4cm	●						●
Paving stones height 6 cm		●				●	
Paving stones height 8 cm			●				
Paving stones height 8-10 cm				●			
Granite paving stones 4x6	●						
Granite paving stones 6x8		●				●	
Granite paving stones 8x11			●	●			
Granite paving stones 15x17					●		
Terrace tiles, paving slabs, 4cm	●						●
Terrace tiles, paving slabs, 5cm		●					●
Lawns		●	●	●	●	●	●
Gravel, grit pavements		●	●	●	●	●	●
Turf rolls	●						●
Bark chips		●	●	●	●	●	●
Fieldstone				●	●		
Masonry stone					●		
Eco-wave	●	●					●

## Method of installation of ECO-BORD edging systems:

### TOOLS

A set of tools necessary for the installation of edging systems.



### CONNECTING

The edging systems are connected to each other with simple connectors.



### SHAPING

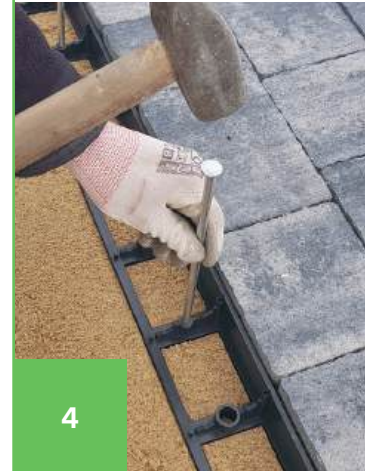
By making a cut in the lower part of ECO-BORD edging, it is possible to create curves.



### FIXING

The ECO-BORD systems are fixed to the ground with nails:

- a) made of plastic for soft ground (lawn, farmland, etc.),
- b) made of metal for hard ground (clay, crushed stone).



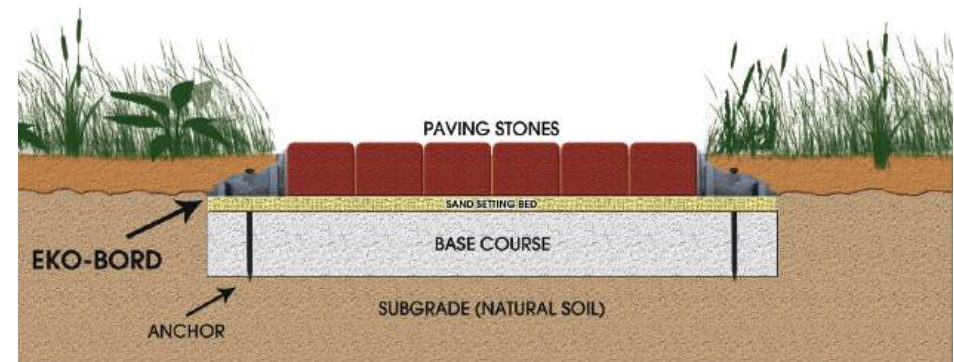
### FILLING

The final phase of the ECO-BORD edging system assembly is to cover it with soil, grit, bark chips, etc., so that it is not visible.



## Additional information

When using ECO-BORD edging systems for pavement construction on a freshly prepared and under-compacted ground, it is recommended to anchor the nails into a footing of lean concrete. When installing edging systems at temperatures below  $-5^{\circ}\text{C}$ , it is recommended to use an expansion gap of approx. 1.5 – 2.0cm, spaced every +/- 5m. We do not recommend installing ECO-BORD edging systems on slopes, especially on areas with steep slopes. Do not use fewer than the number of nails recommended by us, i.e. at least 3 nails per meter.





## ECO-PALISADE

ECO-PALISADE is an alternative to wooden or concrete fences and palisades.

It is perfect for marking out paths and marking off flowerbeds.

### Advantages of ECO-PALISADE:



durability and resistance to UV radiation



aesthetically pleasing and high quality product



possibility of forming any lines



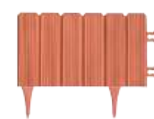
quick and easy to install

### Available colours:

brown



terracotta



green



graphite



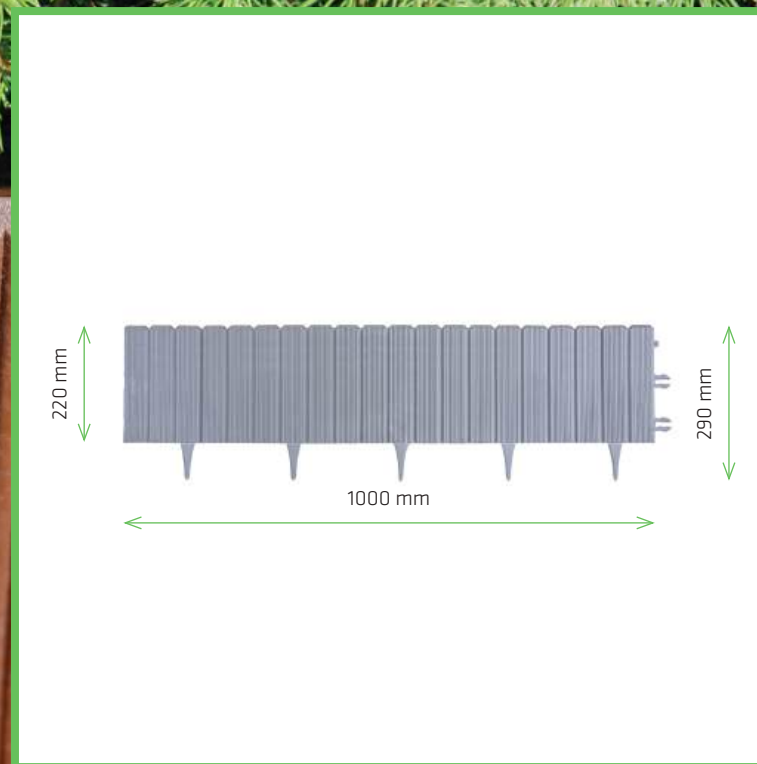
grey





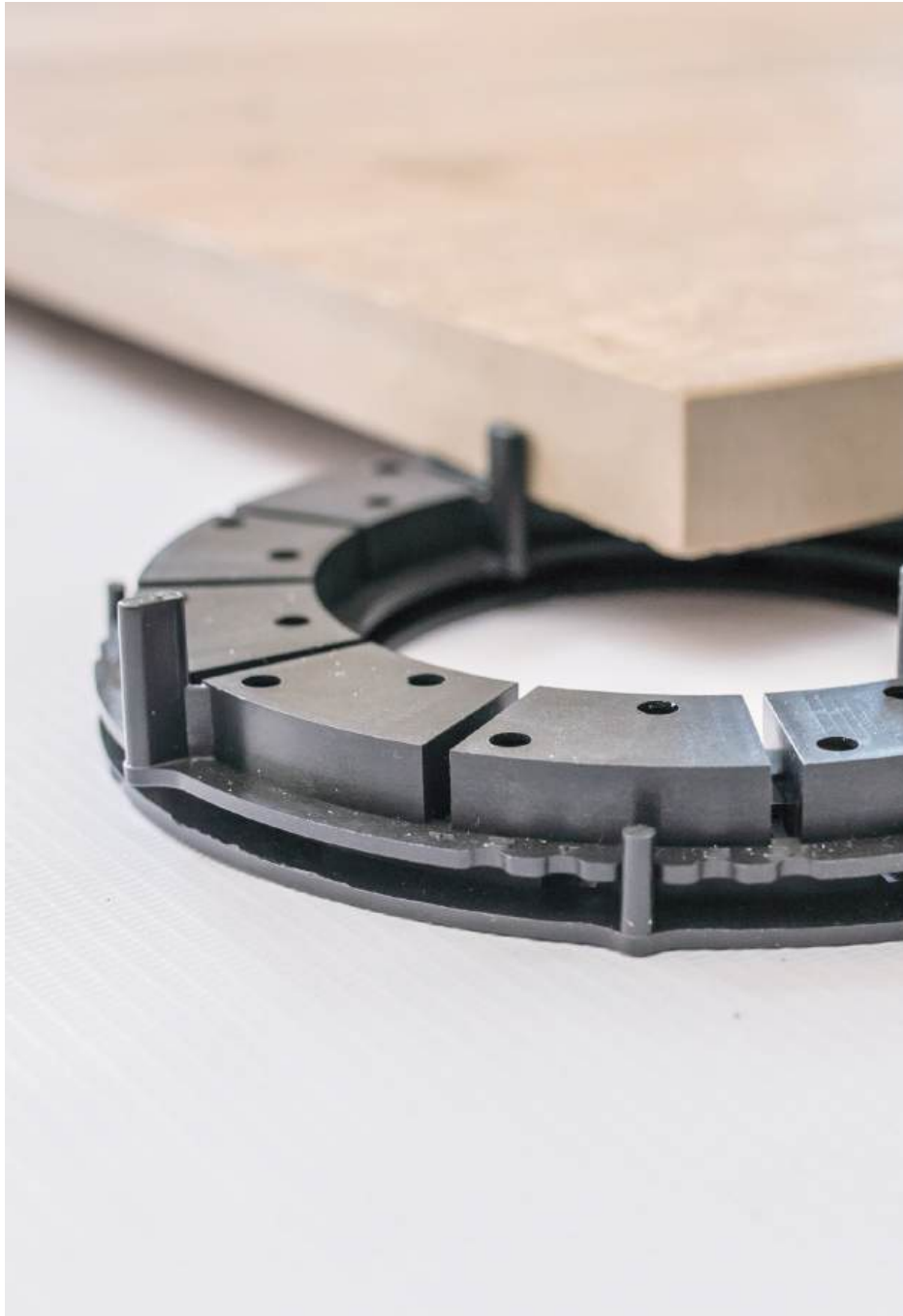
## EKO-PALISADE 17 cm

Length	1000 mm (+/- 2 mm)
Height (with pins)	240 mm (+/- 2 mm)
Height (without pins)	170 mm (+/- 2 mm)
Wall thickness	5mm
Weight	0,7 kg (+/- 0,05 kg)



## EKO-PALISADE 22 cm

Length	1000 mm (+/- 2 mm)
Height (with pins)	290 mm (+/- 2 mm)
Height (without pins)	220 mm (+/- 2 mm)
Wall thickness	5mm
Weight	0,9 kg (+/- 0,05 kg)



## Terrace supports - ABC system

The **ABC system** designed by us allows you to build raised terraces and floors in a quick and simple way. Easy to use, no special equipment required.

The **ABC system** consists of three components:

### A-type terrace tile support



Height	10 mm
External diameter	140 mm
Internal diameter	80 mm
Spacer (grout)	3 mm

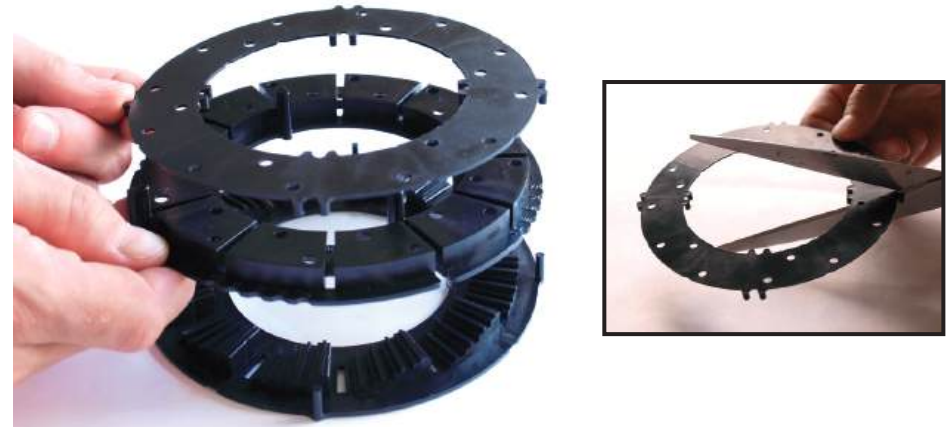
The A-type supports can be used separately or in the ABC system. When using the A-type supports alone, you can increase the height in 10mm increments by stacking one support on top of another. Whereas, if using the ABC system, you get additional options for changing the height: from 12 to 20mm (B-type adjustment base) and 1 mm (C-type levelling ring).

## B-type adjustment base







The B-type adjustment base gives you the ability to change the height of the A-type support from 12mm to 20mm (in 2mm increments). The height is adjusted by rotating the A-type support in relation to the B-type adjustment base. The appropriate height is indicated by a spacer pin.

## B-type adjustment base



The levelling ring is used to compensate for slight differences in the level of the ground and differences in the thickness of the terrace tiles resulting from their manufacture. The ring can be cut to adjust the height on the selected sections of the support.

## ABC System Height Summary

System name	Height	Description
 A	10 mm	When using our A-type support, the minimum elevation of the terrace/floor is 10mm.
 A	10-50 mm	When using the A-type supports alone, you can increase the height in 10mm increments by stacking one support on top of another.
 A+B	12-20 mm	When using the AB system, you can change the height from 12 to 20mm, by rotating the A-type support in relation to the B-type adjustment base. The height is indicated by a spacer pin.
 A+B	12-50 mm	When using the A-type supports (up to 4 pcs is recommended) with one B-type adjustment base, you get the height in the range of 12 to 50mm (in 2mm increments)



## Terrace supports - XYZ system

**The XYZ terrace system** designed by us allows you to build raised terraces easily and super fast. In addition, it is user-friendly and you don't need any special equipment to install the system. Thanks to its universal design, the XYZ system can be used both under terrace tiles and when laying composite decking on joists.

**The XYZ system consists of 3 elements:**

### X-type adjustment base



Height	60-80 mm
Diameter of the "X" element	100 mm
Diameter of the "Y" element	123mm
Spacer (grout)	3mm

The X-type adjustment base is the top component of the XYZ system. It is equipped with a standard M10 screw, which can be used to freely adjust the level of the terrace or floor. The height adjustment range is +/- 20mm. If there is a need to raise the floor in the range of 60 to 80mm, the X-type adjustment base can be used with the Y-type centre support to form an independent system.

## X+Y type connector



The Y-type connector is a universal element. In the XYZ system, it is a connector between the lower base with the (reinforced) PVC pipe and the upper adjustment base. In the XY system, however, it is its bottom base element.

Technical data of the XYZ System		Diameter of the Z-type base element	200 mm
Height	60-400 mm	Spacer (grout)	3 mm
Diameter of the "X" element	100 mm	Spacer height	11 mm
Diameter of the "Y" element	123 mm	Diameter of PVC pipe	110 mm



## Z-type bottom base element



The (reinforced) PVC pipe is installed by press fit in the Z-type bottom base element. The X and Y elements (Y element with the cone down) are installed on the pipe.

Height adjustment in the XYZ system is achieved in two places, by using the appropriate length of PVC pipe and on the top X-type adjustment base (the height range is +/- 20mm). The Z-type base element has a diameter of 200mm, thus providing stable support for terraces up to 400mm high. The large diameter of the base element makes it possible to install our system on thermal insulations (such as polystyrene or polyurethane foam).

## XYZ System Height Summary

System name	Height	Description
 X+Y	60-80 mm	In the XY system, the adjustment range is +/-20mm. The minimum height to which you can raise the terrace/floor is 60mm.
 X+Y+Z	60-400 mm	The XYZ system provides the widest range of terrace/floor height adjustment, from 60mm up to 400mm. It has the following two adjustment elements: the (reinforced) PVC pipe cut to the desired height and M10 screw in XY elements (the range of fine adjustment on the screw is 20mm).

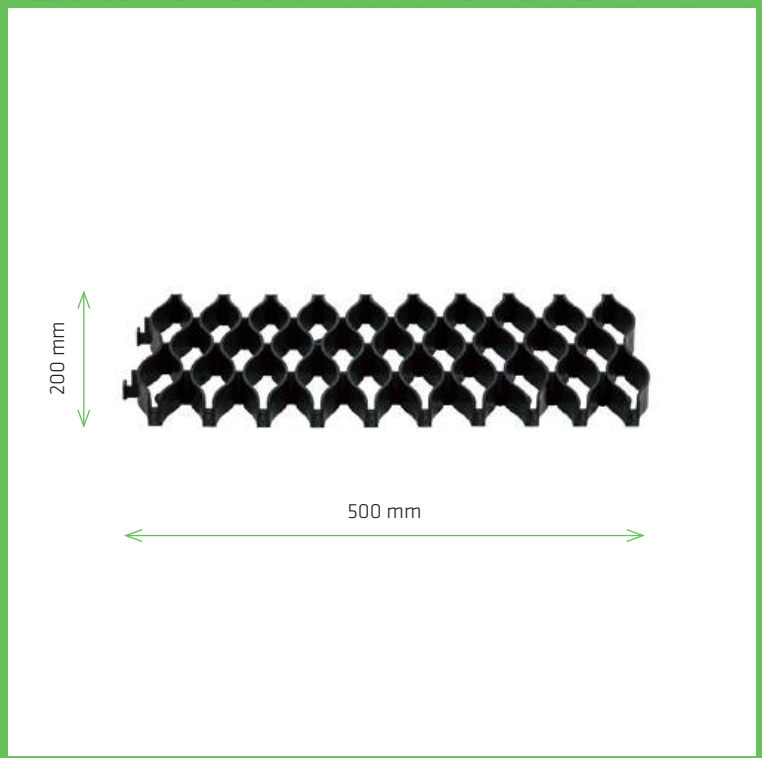
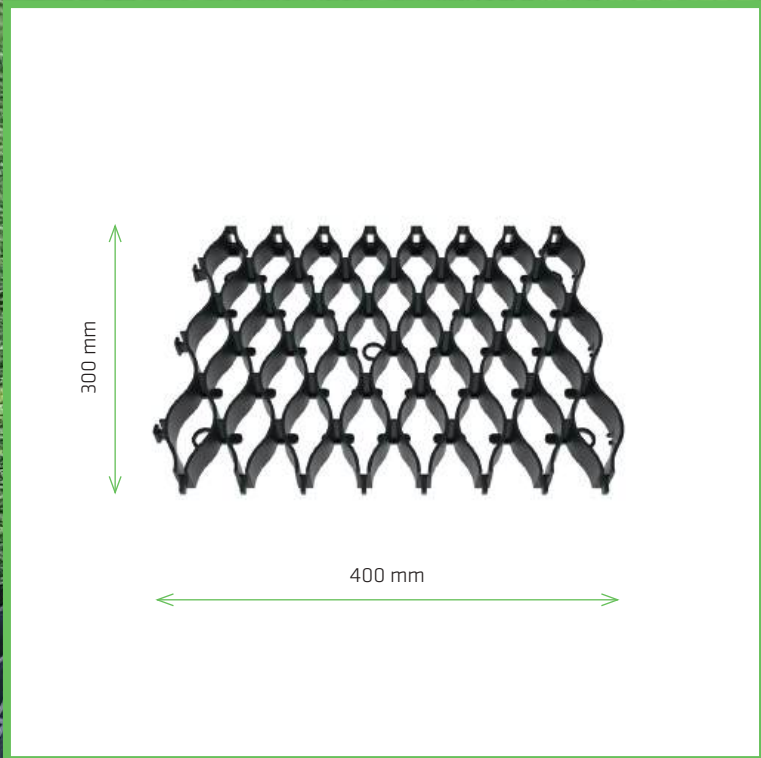


## ECO-WAVE

**ECO-WAVE** grates enable effective hardening and stabilisation of the ground. Moreover, they are perfect for finishing the lawn by preventing the mowing robot from burying itself.

They are an alternative to concrete paving slabs or paving stones. They form a biologically active surface, providing an opportunity for grasses to seed and grow. The load resistance of the garden grates is guaranteed by a properly executed substructure.

The substructure type should be specified in the building permit design.



### ECO-WAVE 33

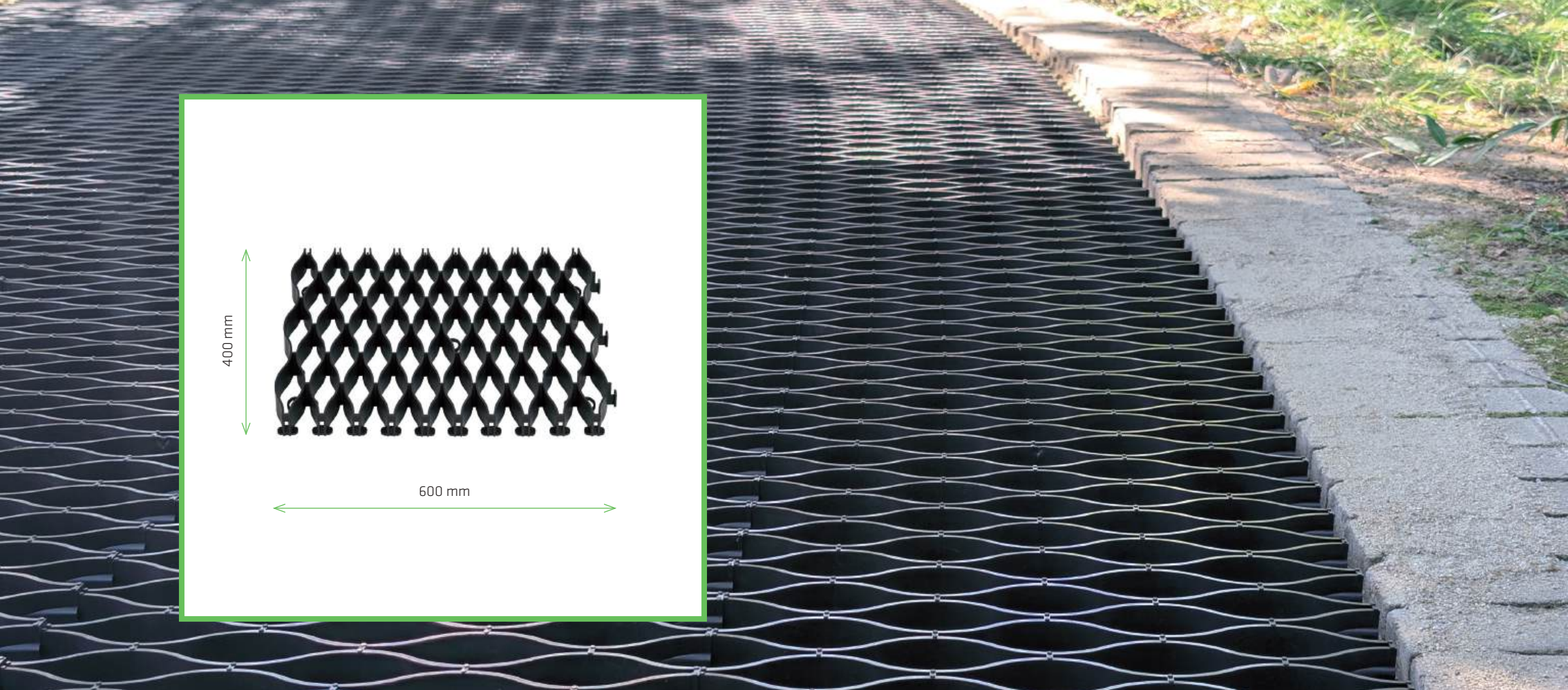


Length	400 mm	Colour	black
Width	300 mm	Resistance	up to 250 t/m <sup>2</sup>
Height	33 mm	Number of pieces per m <sup>2</sup>	8,33
Weight	0,56 kg		

### ECO-WAVE 33.2



Length	500 mm	Colour	black, gray
Width	200 mm		
Height	33 mm		
Weight	0,5 kg		



## ECO-WAVE 44



Length	600 mm	Colour	black
Width	400 mm	Resistance	up to 1000 t/m <sup>2</sup> with filling
Height	44 mm	Number of pieces per m <sup>2</sup>	4,16
Weight	1,54 kg		



## ECO-GRATES

**EKO-KRATKI** enable effective hardening and stabilization of the ground. They are an alternative to concrete paving slabs or paving stones. They form a biologically active surface, providing an opportunity for grasses to seed and grow. The compact design provides high load resistance and deformation resistance under high pressure (up to 310t/m<sup>2</sup>). The load resistance is guaranteed by a properly executed substructure. Its type should be specified in the building permit design. Proper levelling and hardening of the base and levelling layer ensures that no depressions will form on the road. The seller is not responsible for problems caused by improper execution of the substructure and improper installation.

Examples of application sites for ECO-GRATES include: heavy traffic parking lots, grass/gravel parking lots, fire department access roads, access roads, manoeuvring yards, pedestrian and bicycle paths, campgrounds, property or garage entrances, garden paths

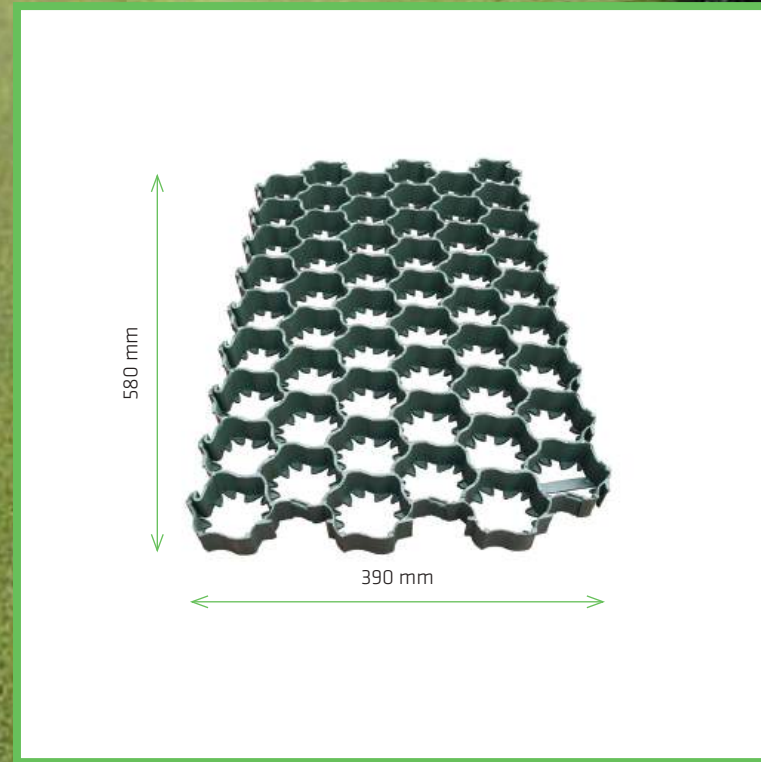
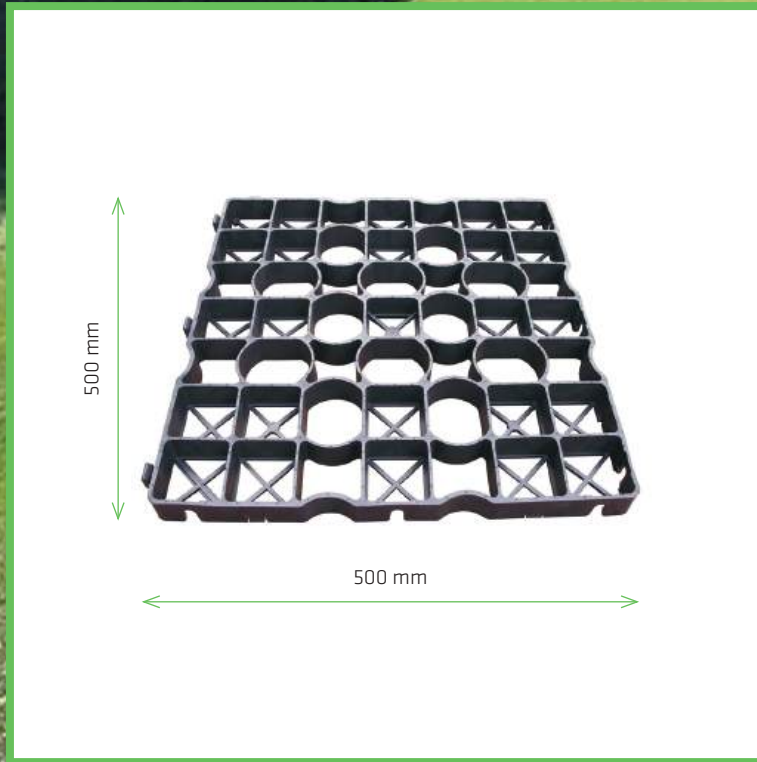


## EKO-GRATE G1

Length	500 mm (+/- 2 m)	Resistance	up to 1000 t/m <sup>2</sup>
Width	500 mm		with filling
Height	40 mm		(car over 3,5t)
Weight	1,45 kg	Number of pieces per m <sup>2</sup>	4
Colour	black		

## EKO-GRATE BLACK 40mm

Length	500 mm (+/- 2 m)	Resistance	up to 1000 t/m <sup>2</sup>
Width	500 mm		with filling
Height	40 mm		(car over 3,5t)
Weight	1,45 kg	Number of pieces per m <sup>2</sup>	4
Colour	black		



## EKO-GRATE BLACK 50mm

Length	500 mm (+/- 2 m)	Resistance	up to 1000 t/m <sup>2</sup>
Width	500 mm		with filling
Height	50 mm		(car over 3,5t)
Weight	1,45 kg	Number of pieces per m <sup>2</sup>	4
Colour	black		

## EKO-GRATE GREEN

Length	580 mm	Resistance	up to 216 t/m <sup>2</sup>
Width	390 mm	Number of pieces per m <sup>2</sup>	4,42
Height	40 mm		
Weight	1 kg		
Colour	black		



## NAILS

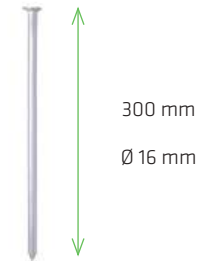
### Nails for ECO-BORD edging systems

The ECO-BORD edging systems are fixed to the ground with nails. Recommended number of nails per meter: straight sections – 3 pieces, curves – 4-5 pieces.

for soft ground



for soft ground



### Nails for non-woven fabric 20 cm



### Nails for non-woven fabric 16 cm



### Nails for non-woven fabric 25 cm



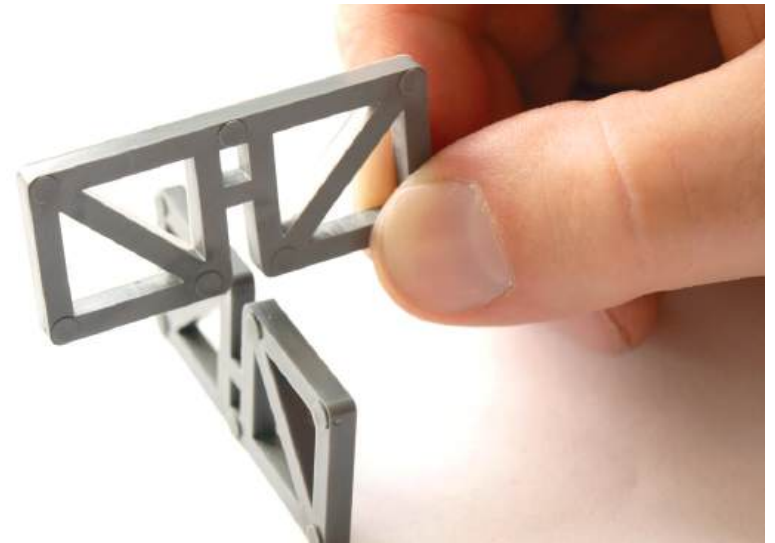
### Nails for drip lines





## SPACERS AND SPACER CROSSES

The spacer cross allows you to keep even spacing between the terrace tiles.



Spacer (grout)	3 mm
Height	20 mm



## EKO-BORD System



ul. Platynowa 17, 62-052 Komorniki

phone: (+48 61) 810 71 60, (+48 61) 830 71 63

e-mail: [biuro@ekobord.pl](mailto:biuro@ekobord.pl)

**EKOBORD.PL**