

6

fürs
GRÜN

- Green Roofs
- Artificial Turf
- Natural Ponds
- Garden Lighting
- Flat Roofing
- Road Construction

Our Products for Landscaping



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MOLE BARRIER

Description

Geogrid made of extruded HD-PE with firmly welded junctions, mesh size 11 x 11 mm, weight 495 g/m².

Application

When installed professionally the mole barrier offers protection against moles. It is no protection against rodents!

Features

- Very strong but of light weight and still flexible
- Easy to cut and to install
- Permeable for water and roots
- Resistant against all aqueous solutions of salt, acids and alkalis occurring in natural soil

Preparations

Before installing the mole barrier please check if it is undamaged. Also during installation bear in mind that only the undamaged product can protect against the mole. It thus has to be avoided to access the product with heavy vehicles while installation.

Excavate the soil about 5 to 10 cm on the area where the mole barrier will be installed. Take into consideration that also later during gardening the product should not be damaged!

Installation

Roll out the mole barrier on the even ground. Take care that it is not tautened. The lanes should overlap at least 15 cm.

In order to avoid that the mole can enter the garden horizontally bury the mole barrier at the margins depending to the ground water level about 50 to 100 cm vertically into the ground.

Fix it at the margins and the overlaps with steel pins to the ground.

Finally cover the mole barrier with about 5 cm of soil. It can also be covered with mulch, stone chippings or gravel.



PLANTERS

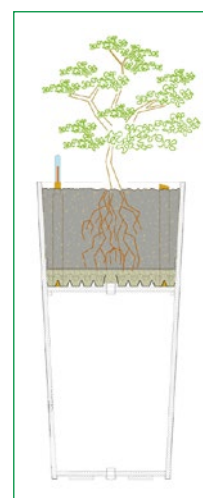
Description

High-quality planters made of break-proof polypropylene available in many different shapes and in dimensions on demand. The varnishing will be made on request according to RAL. The planters have a knockout drain hole so that they can be used outdoor as well as in indoor areas. They are especially suitable for hydroponics as a water level indicator is available. All planters are supplied including a water storage board and a filter layer.



Features

- Dimensions on demand or in standard sizes
- Available as cube, cuboid, frustum or in cylinder shape
- Varnishing on request according to RAL
- Available with either rough or smooth surface
- Suitable for indoor and outdoor areas
- Material and welding seams are frost-proof
- For indoor use also available with water level indicator
- Also applicable on green roofs. For bigger planters an additional base-plate can be placed on a freely selectable height. Thereby a considerable weight reduction of the potted planters can be achieved
- The material of the container walls is non-thermally conductive. Thus the substrate won't run dry even not on direct solar radiation
- The container walls are very stable. Additional elements like trellis or railings can be fixed at the planters
- A shadow gap at the base makes an elegant appearance. It also provides for the circulation of the air under the planter



Maintenance

- Dry cleaning with a soft duster or
- Wet cleaning with a soft cloth and water with colourless dishwashing detergent. Afterwards surface has to be wiped carefully dry.
- Do not use abrasive cleaners or cleaning agents containing alcohol or salmiac. Also the use of nitro or synthetic resin dilutions including nitro based cleaners has to be avoided.
- Potential scratches can be removed by using a correction pen or spray (included in delivery).

Suggestion for a tender

Planter made of break-proof and frost-proof high-quality polypropylene, with knockout drain hole, suitable for outdoor and indoor areas, available as cube, cuboid, frustum or in cylinder shape, dimensions on demand, colour according to RAL, delivery including water storage board and filter layer

Planters made of polypropylene, colour according to RAL

Shape	Length in mm	Width in mm	Height in mm	Filling volume in litres	Thickness of walls in mm
Cube	490	490	490	101	15
	740	740	740	365	15
Cuboid	325	325	740	63	15
	370	370	740	84	15
	490	490	990	206	15
	590	200	290	26	15
	740	200	370	42	15
	990	200	490	78	15
	990	490	490	210	15
Frustum	260/325	260/325	490	52	15
	340/425	340/425	740	133	15
	340/450	340/450	750	152	15
Cylinder	Ø 315		500	59	5
	Ø 315		750	135	5
	Ø 500		750	211	8
	Ø 500		900	307	8
	Ø 900		500	156	15
	Ø 900		750	366	15
	Ø 900		900	535	15

TILE SPACERS FG

Description

Tile spacers are used for an exact and quick laying of concrete paving slabs. They guarantee a homogeneous appearance of the joints. Tile spacers moreover ensure the drainage of the surface and avoid the slide of the paving slabs in the bracing.

Application

On terraces, roofs and buildings flagging has to be build with open joints. In this case tile spacers care for a quick laying. They ensure the drainage of surface water and they guarantee a homogeneous appearance of the joints.

Features

As a special advantage of the FG tile spacers slabs can be substituted quickly and easily after installation. The chamfered edges on the top side care for an exchange of the slabs without effort. During application of the slabs it therefore has to be taken notice that the spacers face upside with the chamfered edges.

Installation

Place the tile spacers on the subgrade and clamp them tightly between the slabs. The required quantity of tile spacers depends on the size of the slabs and the laying pattern.

FAQs

Have the tile spacers to be removed after installation?

For an application with open joints it is important that the joints remain open in order be capable to drain surface water quickly. The tile spacers avoid sliding of the paving slabs and thus will not be removed after installation of the flagging.

How many tile spacers are required?

This depends on the measurement of the slabs and the laying pattern. For a laying with cross joints you have to calculate with 1.25 tile spacers per slab.

Are tile spacer also suitable for laying besides roof areas?

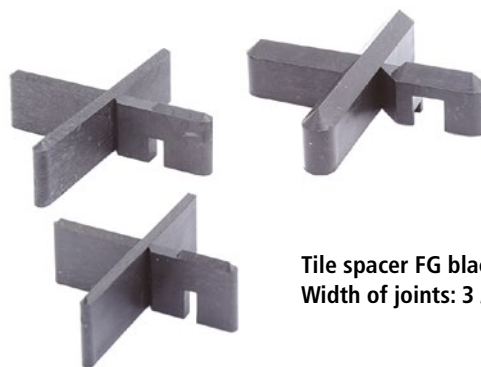
Yes they are. They care for a quicker installation of flagging and for a homogeneous appearance of the joints.

Do I need a chipping bed for implementing FG UFO tile spacers in outdoor areas?

The biggest advantage of FG UFO tile spacers is that you don't need to build a chipping bed. Personnel cost and material cost for a chipping bed can hence be saved.

Can I use FG UFO next to the wall?

Due to the special design FG UFO can easily be used next to the wall. You simply break the thin journal of the tile spacer. Pose the remaining tee at the edge of the slab. When you are working in an edge of the area you can also use the slice without the tile spacer under the slab.



Tile spacer FG black
Width of joints: 3 / 5 / 10 mm

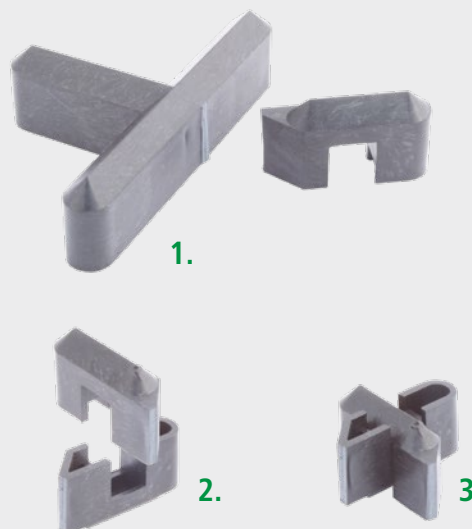


Tile spacer FG transparent
Width of joints: 3 / 5 / 10 mm



Tile spacer FG UFO for thin ceramic and concrete slabs
(available in black or grey)
Width of joints: 3 / 5 mm

No special tool is required for the application.



One journal of the tile spacer has a predetermined breaking point. For getting a tee the journal can be broken at this point. The tee is used at the edges of the laying area or for offset joints. Two broken journals can be staked and can be used as smaller tile spacer.

HIPPOFEET SUPPORTS

Description

With HippoFeet supports height tolerances in the subgrade from 7 mm up to 1083 mm can easily be compensated. Furthermore pipes, lines and drains can be hidden under the flooring. A quick access to the installation however is always assured. The cavity under the flooring cares for the rear ventilation and it is not necessary to install a grit or sand layer under the flagging. Due to a broad range of accessory HippoFeet supports allow for comprehensive solutions for the placement of diverse types of floorings in outdoor areas.

Features

- Quick application due to infinitely height adjustment from 7 mm – 1083 mm
- High load capacity of up to 800 kg/support
- Rounded bottom plate avoids imprints in the roof waterproofing membrane
- Made of very robust polypropylene
- Resistant against UV radiation, chemicals, frost and bitumen
- Easily to extend with 140 mm plug-in extensions
- Slope compensation possible up to 7 %

Technical Data

Subject	Unit	HippoFeet
Raw Material	---	Polypropylen
Height Adjustment	mm	7 – 1083
Load Capacity	kg/support	800
Diameter Top Plate	mm	146
Diameter Base Plate	mm	195

Consumption

Dimension of Slabs	Requirement pcs/m ² *
40 x 40 cm	7,3
50 x 50 cm	4,6
60 x 60 cm	3,1

* depending on the dimension of the terrace



HippoFeet Vario 25
19-25 mm

HippoFeet Vario 40
28-36 mm

HippoFeet Vario 50
36-51 mm

HippoFeet Vario 80
52-82 mm

HippoFeet Vario 130
82-135 mm

HippoFeet Vario 130
+ 1 x Extension Element
189-293 mm

HippoFeet Vario 220
133-225 mm

HippoFeet Vario 220
+ 1 x Extension Element 260-365 mm



up to
6 x

HippoFeet Vario 220
+ 1 x Extension Element 260-365 mm
+ 2 x Extension Element 364-507 mm
+ 3 x Extension Element 471-651 mm
+ 4 x Extension Element 576-795 mm
+ 5 x Extension Element 682-939 mm
+ 6 x Extension Element 786-1083 mm

Kiesfix®

GRAVEL STABILISATION GRID

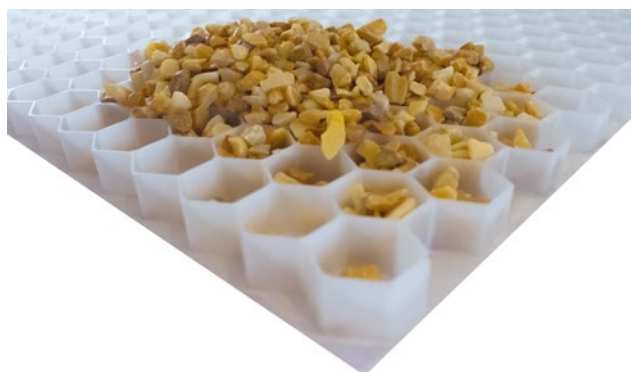


Description

Grid with honeycomb structure, 3 cm high, white, made of HD-PE, suitable for infill with gravel or stone chips, with geotextile on the backside.

Application

Kiesfix® is used for stabilisation of areas covered with gravel and chippings. It creates a load-bearing and stable surface which is trafficable for cars and lorries. Drives, parking areas and accesses can easily be implemented without lane grooves and puddles. The smooth and natural surface is also perfectly accessible for wheel chairs and bikes. Kiesfix® is also suitable for stabilisation of gravel surfaces on roofs.



Features

- Resistant to frost and sun
- Easily applicable
- Very flexible – adapts itself to the underground
- Permeable to water – no sealing of paths and surfaces
- 10 cm overlap of geotextile at both sides
- More cost-efficient than flagging made of slabs
- Loadable up to 450 t/m²

Preparations

- Construction of a base layer and a bed of chippings
- Installation of a surrounding
- Further information in the instructions on the back side

Installation

- Quick application due to big dimensions of boards (1.60 x 1.20 m)
- Installation on areas with a slope up to 15 % possible

Technical Data Kiesfix®

Subject	Unit	Kiesfix®
Raw material	---	PE-HD
Colour	---	white
Height	mm	30
Crush resistance with infill (depending on quality of infilled stones)	to/m ²	450
Diameter of honeycombs	mm	44
Raw material of geotextile	---	PES
Weight of geotextile	g/m ²	60
Length	m	1.20
Width	m	1.60
Size per board	m ²	1.92
Weight per board	kg	3.36

All values are average values

LAWN EDGINGS



Description

The **step-proof lawn edging RK-FF-175** is made of **galvanised steel**. It offers professional and aesthetical solutions to create margins of lawn areas, pavements und paved surfaces. Straight as well as curved edges can be executed.

Features

- Straight as well as curved alignment possible
- Connection of the edging elements by simple plug system
- Almost invisible as only 2 mm thick
- Also available in stainless steel

Application

- Can also be applied without bedding
- Application in loose ground with a rubber hammer
- Application in solid floor in cuts of a spade
- Fixation in the ground by flat-head brads
- Brads included in delivery

Technical Data

Length	2000 mm
Height	175 mm
Width	19.5 mm
Width of top edge	2 mm
Thickness	1 mm
Material	galvanised steel
Arc radius	from about 35 cm
Brads	8 x 300 mm, flat-head

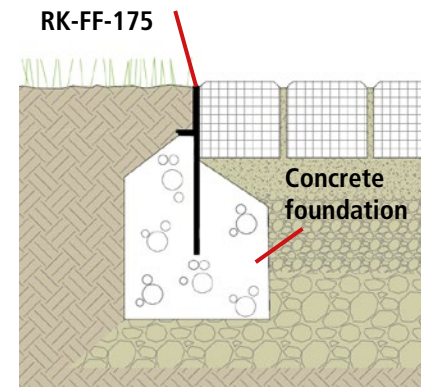
Option

Lawn edging made of high-quality recycling-polypropylene with aluminium top profile on the top edge. Suitable for straight boundary of lawn areas and flower beddings.

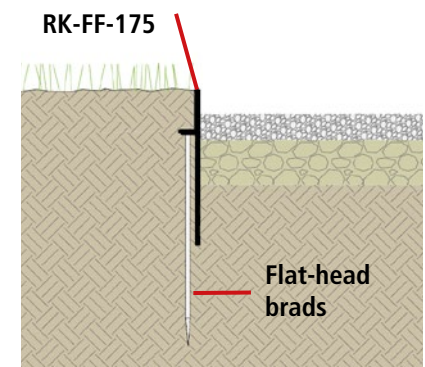
Dimensions: 1000 x 10 x 185 mm (LxWxH); Colour: anthracite



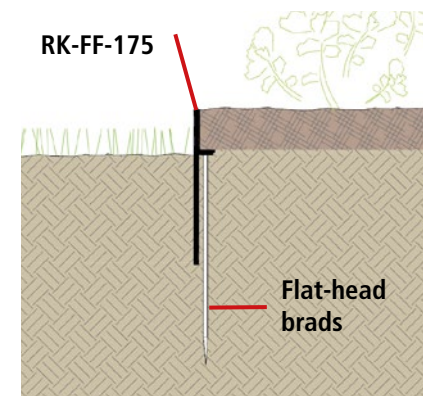
Paved Surfaces



Grit and Gravel Paths



Lawn Areas



RHIZOME BARRIER PE-HD

Description

Rhizome barrier, thickness 2 mm, made of high density polyethylene (HD-PE), with extremely smooth surface. Available in width of 70 cm and 100 cm, in 50 m roll or pre-cut to length on demand.

Accessory: press-closures made of aluminium 70 cm and 100 cm

Application

- for containment of plants with aggressive roots or plants that build rhizomes
- for root protection along pavements, cycle paths and driveways
- for protection of underground lines, cables and sewers

Features

- Resistant to each natural aqueous solution of salts, acids and alkalis occurring in soil
- can be installed in natural soil from $2 < \text{pH} < 12$
- resistant against microorganisms and rodents
- high thermo-oxidative durability
- high tenacity, flexibility and high durability against stress cracks

Installation of bamboo plantations

Mark the planting area and excavate a 20 cm wide ditch along the edge. When using the 70 cm rhizome barrier the ditch has to be 65 cm deep (rhizome barrier 100 cm – ditch 90 - 95 cm). Later on the sheet should protrude at least 5 cm above the ground.

Arrange the barrier with the shiny side to the interior of the planting area. Position it vertically. Use a cordless drill for making the screw holes into the sheet. Form a ring with the rhizome barrier. Use an aluminium press-closure for bolting it tightly. The end of the sheet has to be flush with the press-closure in order to avoid that fresh rhizomes get into the gap.

Use the excavated soil to install the rhizome barrier in an upright position in the ditch. It might be helpful to water the excavated soil in order to compact it. Now the bamboo can be planted in the middle of the bed.



WEED CONTROL FABRICS

Plantex® Platinum

Plantex® Platinum was especially developed to stop effectively and reliably the growth of invasive weed such as Japanese knotweed and hogweed. With Plantex® Platinum weeds can be covered and rendered innocuous on the spot so that an expansion can be averted.

Colour: green

Dimensions: 1 m, 2 m and 5 m wide rolls

Accessories: butyl tape and liquid adhesive



Plantex® Gold

Plantex® Gold the most effective and strongest weed control fabric can also be used 3 to 5 years without being covered. Even strong weeds like couch grass and horsetail do not stand a chance when Plantex® Gold is used. When properly covered with mulch or gravel it is up to 25 years durable.

Colour: brown

Dimensions: 1 m or 2 m wide rolls

Accessories: steel pins 19 cm for fixation to the ground



Plantex® Pro

Plantex® Pro reliably prevents the growth of weeds. A herbicide application is not necessary. Plantex® Pro is highly permeable to water and air. When properly covered with mulch or gravel it is up to 25 years durable.

Colour: grey

Dimensions: 1 m or 2 m wide rolls

Accessories: steel pins 19 cm for fixation to the ground

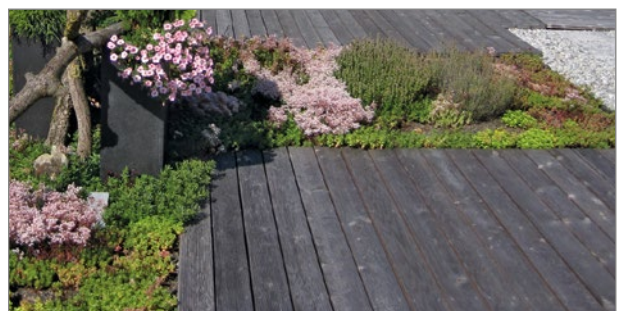


Ground Cover Fleece

Our ground cover fleece is made of 100 % polypropylene fibres. Due to its thermal solidification it is extremely hard-wearing. It is however permeable to water and air. The ground cover fleece is suitable for application under mulch, wooden decks, flagging or synthetic turf.

Colour: black

Dimensions: 1 m or 2 m wide rolls



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