

Innovative products for road construction and landscaping



MultiFlixx



MultiFlixx – the highly durable, plantable ground panel for fast outdoor ground stabilisation.





The advantages at a glance

- MultiFlixx can accept high loads up to 280 t/m²
- The XXL format makes it easy to lay
- MultiFlixx is cost-effective and easy to install
- Stable in terms of temperature and shape
- MultiFlixx is plantable and permanently water permeable
- protects the substrate from compaction
- MultiFlixx stabilises substrate and lawn
- For urban, agricultural and other areas



High standards of quality

Well stabilised ground surfaces, irrespective of the weather conditions, don't come about by chance: they require both competent advice and high quality components.

Our MultiFlixx ground reinforcement panels provide a solid foundation for a wide variety of outdoor applications. Their large format and low weight make them easy to lay without heavy equipment and with few personnel.



For temporary ground stabilisation

Areas not designated for a specific purpose have to be prepared for various needs in the course of a year, such as for events or festivals. MultiFlixx guarantees sure footing, clean open spaces and protection for subsoils – in any weather.



For temporary overtaking lanes and minimising pressure caused by traffic

Besides fast laying, MultiFlixx offers large support surfaces for optimum distribution of pressure and protection of sensitive subsoils from damage. MultiFlixx is ready for use at any time and, as the equipment is light, it is easy to transport.



Ideal for giving support to embankments, slopes and inclines.

The MultiFlixx panels interlock during laying to form a stable, connected surface that will not slide apart. Large, round pockets effectively retain bulk material or substrate on inclines, embankments or slopes.



For reinforcement of parking spaces and fire brigade access roads

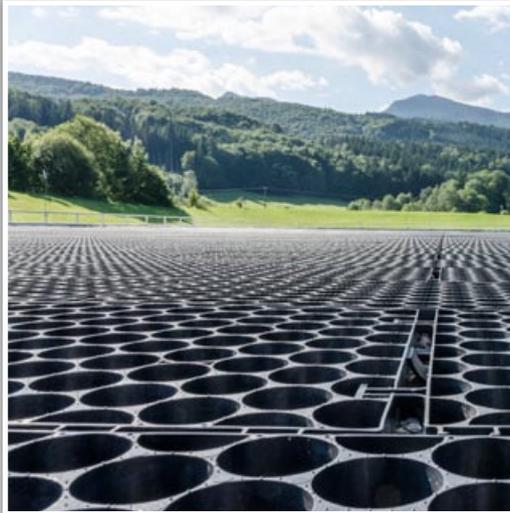
MultiFlixx reinforces highly-trafficked, green drive-ways and parking spaces and ensures safe access for emergency vehicles.



Durable and stable

The MultiFlixx multifunction panel is made from reprocessed PE-HD granulate. Even unfilled during installation it can accept heavy loads and retain its shape. You can therefore save time by driving a lorry with the fill material directly onto the surface already laid.



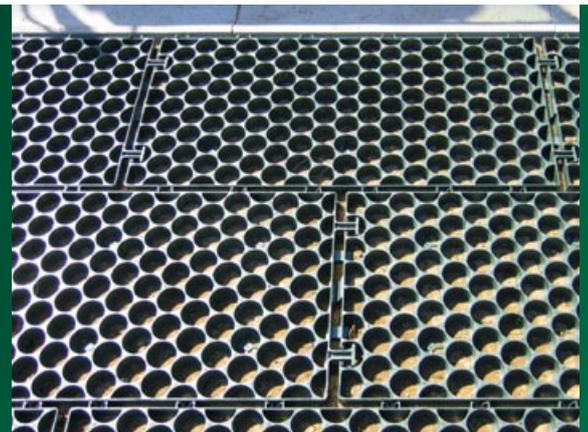


Planted or filled with gravel, MultiFlixx is ideal for reinforcing large, water permeable surfaces and for reliable, long-term utilisation.

Durable stability

The structure and material properties of MultiFlixx make it permanently hard-wearing. When laying, up to 8 pairing tabs on the right edge of the panel snap into the slots on the neighbouring panel thus securing them in position. This means there is no unevenness and movement between panels.

The panel's open grid allows even infiltration of any rainwater as well as drainage in the horizontal plane.





Reinforcement of planted inclines with MultiFlixx

◀
Embankment reinforcement with MultiFlixx to stabilise infill material



MultiFlixx makes a forecourt usable as a planted car parking surface.



Easy to work with

MultiFlixx is both fast to lay and easy to shape. You can easily adapt MultiFlixx with a jigsaw or handsaw.





1. Preparation

Please take account of local ground and climatic conditions. Batter boards should be installed in preparation for the installation process. We recommend laying MultiFlixx as part of an interlocking grid.

2. Base course

A base course in accordance with the ZTVT-Stb 86 directive is needed as a substrate for installation of MultiFlixx. This will serve to distribute the traffic load to the substrate. The base course generally consists of a layer of compacted gravel at least 20 cm thick. If necessary, the base course can be interspersed with a long-term fertiliser, e.g. Floranid-Permanent. Volume recommendation circa 60 g/m².

3. Installation bed

The most suitable installation bed is a gravel/sand mixture 0/5 to 0/11 mm, mixed with fertiliser in equal parts. The mixture should be water-permeable, with a stable structure and offer good



root penetration. Where an area is normally not or only temporarily used by vehicles, e.g. fire brigade access, a small amount (at most 15 % by volume) of pre-screened topsoil can be added.

The installation bed with a depth of approximately 5 cm must be levelled. To promote growth, an organic fertiliser such as Oscorna-Animalin or a synthetic long-term fertiliser like Floranid-Permanent (circa 20 g/m²) can be added to the mixture.

4. Laying

To start the first row, lay a full panel into the left corner of the area to be covered. This means that the pairing tabs will face to the left along the guide string. To continue laying, position yourself on the previously laid panel, slip the connection tabs into the slots in the laid panel and let the panel you are laying fall into place.

Work forward in this manner until you have installed 8 panels and then start the second row with a half panel and after 6 panels start the third row. These ini-



tial rows should then form a right angle for all further rows. If this is the case, it should be straightforward to lay all other rows without them becoming jammed.

Tip: for laying in a interlocking grid, cut through the MultiFlixx panels you need along the central marking on the rear of the panel using a handsaw or table saw.

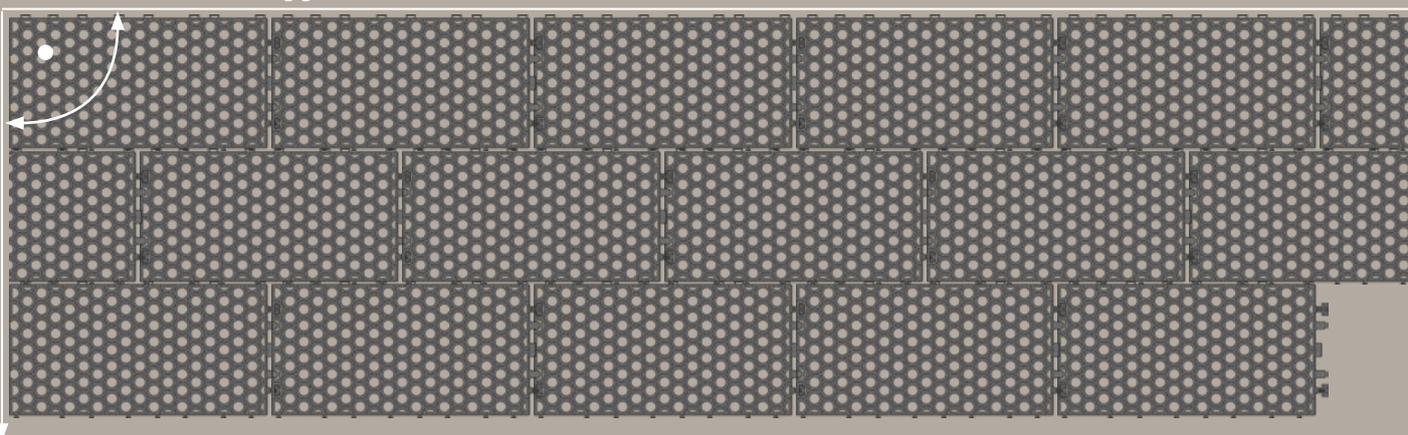
5. Filling

Substrates with a high water capacity (> 50 % by volume) and adequate air capacity (≥ circa 10 % by volume) should be used to allow a relatively thin layer of vegetation to grow. Substrates based on approximately 50 % by volume of a low-salt (at most 3 g salt/l), mature, vegetation-compatible compost mixed with open-pored mineral substances (e.g. brick rubble or lava/pumice).

6. Planting

If the surface is to be covered with vegetation, a gravel turf mixture with a stable structure and a grain size of approximately 0/16 mm with organic fertiliser

MultiFlixx as an interlocking grid





and approximately 10 – 15% topsoil is ideal for use as infill material.

Rolled lawn is only recommended for areas intended for immediate, limited and temporary use.

The 1.5 – 2 cm deep turf is rolled into the loosely filled cells, using a static roller. The infill should always be loose to prevent excessive compaction.

Panel format:

L, W, H, | 1156 x 589 x 40 mm

Weight per panel:

circa 2.6 kg

Material:

reprocessed HD-PE granulate, unmixed, environmentally neutral, permanently elastic

Colour:

green, anthracite, special colours on request

Panels required per m²:

1.47 panels

Load capacity:

2.800 kN/m²

Pallet content:

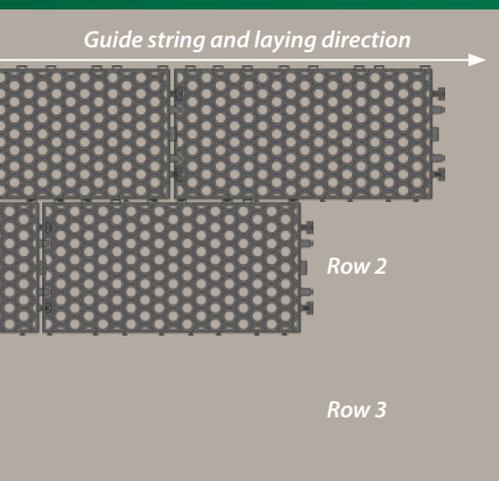
100 panels for circa 68 m²

Customer Service

If you should have any questions, please contact:
Tel +49 8232 5003-32
info@ritter-landscaping.de

Installation instructions and advice can also be provided on site to support a customer's project or when first using the product.

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ProGrass

ProGrassflex

 MultiFlixx

GravelGrid

Road Edge Pavé

WastoDrain

SysDrain

MegaLeaf



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