RECYFIX®GREEN SUPER

VERY STRONG AND ENVIRONMENTALLY FRIENDLY.
GROUND REINFORCEMENT AND EFFICIENT SOAKAWAY FOR CAR / COACH PARKS, SERVICE ROADS AND INDUSTRIAL AREAS.



hauraton



AT A GLANCE

- ☑ High draining capacity
- ☑ Can be filled with different materials
- ☑ Easy to install
- ☑ Durable and resistant to weather
- ☑ Less weight than grass concrete systems

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REQUIREMENTS

Today more than ever we are concerned about the increasing acreage of surface area covered over. The increased incidence of flooding catastrophes in the wake of prolonged rainfall periods indicates that too much water runs directly into the rivers and lakes rather than seeping into the ground naturally. The continuing extension of infrastructure elements in addition to construction activities on green-field sites for residential or commercial purposes are responsible for the fact that not enough precipitation water can be absorbed by the ground. The ground is being covered over for vehicular traffic using impervious surface materials. Today we are aware of an increased responsibility to take environmental protection seriously and preserve as much of the natural ground seepage areas as possible or to reclaim new ones. In order to reinforce the ground we need products with a high drainage capacity and – at the same time and depending on the exposure to traffic – sufficient strength to withstand the expected static and dynamic loads.

Some surfaces also have to stand up to the loads imposed by larger vehicles, such as HGVs, coaches or agricultural vehicles. The turf in parkland areas generally requires more attention. For this reason, landscape architects increasingly stipulate mineral-based fill materials, such as chippings. By choosing different colours and materials it is possible to make use of this element in order to achieve certain design effects. In view of concerns for the ecology and careful use of resources, our products are manufactured from 100 % recycled materials, which can again be recycled at the end of the products' service life. In order to ensure the consistency of our raw materials, we only use industrial recycled PE.



RECYFIX GREEN SUPER blocks are particularly suitable for filling with mineral materials such as decorative gravel or chippings.

SOLUTION

RECYFIX GREEN SUPER is ideal for reinforcing driveways suitable for vehicles and allowing fast open drainage at the same time. The blocks are manufactured from industrial recycled material and can again be recycled at the end of their useful life. The recycled material used is highly flexible. The combination of materials and construction used in the DBGM-registered design is capable of absorbing longitudinal expansion and is strong enough to support heavy vehicles. Owing to their solid construction these blocks can withstand higher dynamic loads compared to conventional plastic lattice turf blocks and are therefore suitable for installation in surfaces used by commercial or agricultural vehicles. Compared to grass concrete systems RECYFIX GREEN SUPER is extremely lightweight and hence easy to transport and lay. Filling materials can be gravel, chippings, stone, earth or turf – nearly all available materials, which will hardly be visible in contrast to neighbouring surfaces.

The lattice turf blocks feature integrated anchors for safe location in the ground as well as a linkage system for holding the blocks together. Where the blocks are laid on sloping ground or on embankments they can be additionally fastened with Anchoring Pegs. RECYFIX GREEN SUPER has excellent ground drainage characteristics, leaving most of the reinforced ground open for water percolation. This means that precipitation water can find its way to the natural reservoirs in the ground rather than being channelled away to rivers and lakes – an active contribution to flood protection.

APPLICATION AREAS

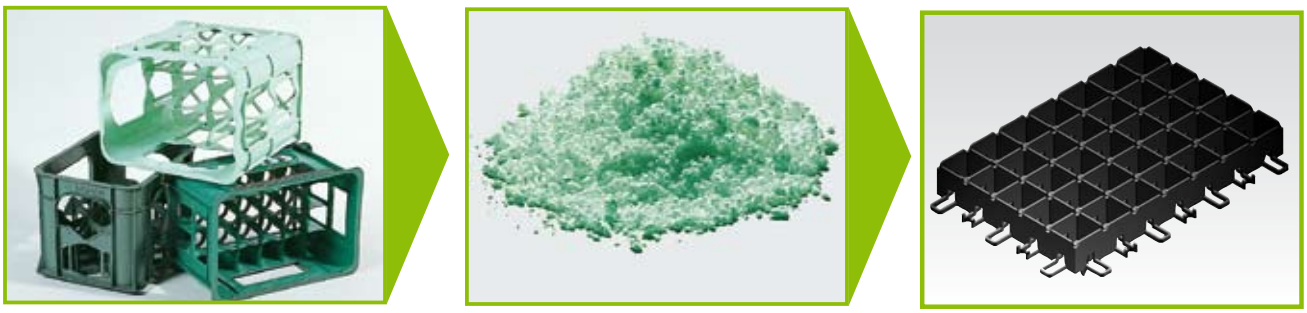
All traffic areas with occasional usage, such as exhibition areas, parking lots for passenger cars, camping places, trailer home parks, temporary parking areas, driveways on golf courses, access ways for fire fighting vehicles and rescue vehicles etc.





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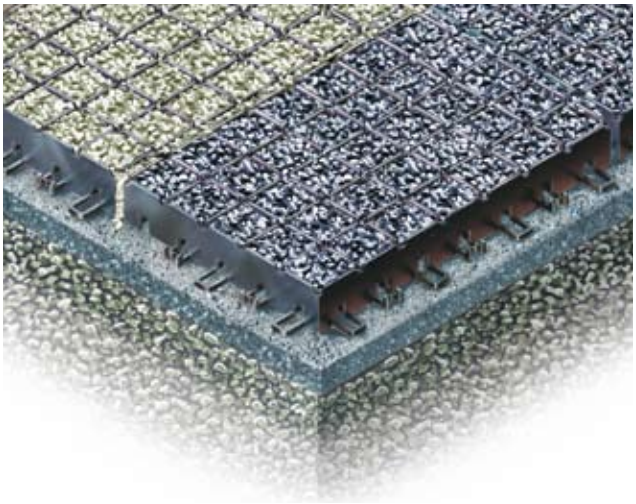


100 % RECYCLED PE

RECYFIX GREEN SUPER are made of 100% industrial recycled PE. The material is UV-stabilised and environmentally neutral – green light for soil and ground water. When the product has to be disposed off there is another bonus point for the environment – RECYFIX GREEN SUPER can be recycled 100 %. The excellent properties of this recycled material ensure very good durability and a long service life. It will not break, crack or split and even high temperature fluctuations, UV-radiation, frost and road salt cannot damage lattice turf blocks if used appropriately.

DIFFERENT MATERIALS CAN BE USED FOR FILLING

For filling RECYFIX GREEN SUPER blocks, mineral materials such as chippings, gravel or stone are particularly suited, depending on the requirements for the reinforced area. A natural look of greenery can be achieved with seeded lawn or turf with the appropriate care. Either way, the areas reinforced with the blocks will retain most of their drainage capacity.



DRIVE ON IMMEDIATELY AFTER INSTALLATION

Once RECYFIX GREEN SUPER has been laid and filled with the respective mineral materials it can support loads to its capacity immediately. For this reason they are well suited for temporary parking areas that may be required for trade fairs, festivities etc.



FAST AND EASY TO LAY

RECYFIX GREEN SUPER blocks are light-weight. That means installation only requires simple tools and little effort to achieve a very large output. There is no need for special machines to lay the blocks. The lattice turf blocks have been packaged in a way that makes it possible to pick them up directly from the pallet before laying them. In this way, even large areas can be covered within a short space of time.

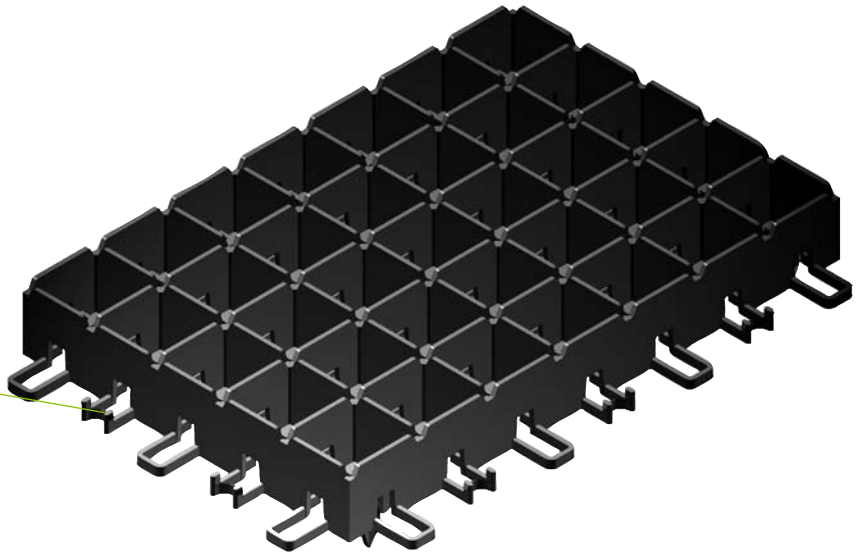
ECOLOGICAL AND ECONOMICALLY SENSIBLE

Today, many municipalities and local authorities grant reduced rates and public funds for the purpose of creating surfaces that retain their draining properties so that the installation of RECYFIX GREEN SUPER also makes financial sense.

SAFELY ANCHORED TO THE GROUND



RECYFIX GREEN SUPER blocks are equipped with integral anchors that ensure safe positioning on the ground. Where the blocks are laid on sloping ground or embankments, additional anchoring is possible with Anchoring Pegs.



TECHNICAL DATA

☐ RECYFIX GREEN SUPER

Material: 100 % industrial recycled PE,
highly impact resistant, UV-stabilised,
Colour: black
The recycling process may result in variations in colour.
Openings for root penetration: > 50 %
Load-bearing capacity:
tested distributed load when installed: max. 4,000 kN/m²
Dimensions: L 600 x W 400 x H 75 mm
Coverage: approx. 4 blocks per m², including joints
Weight: approx. 2.5 kg/block article no.: 40060

☐ RECYFIX Anchoring Pegs

for additional anchoring on sloping ground
Material: 100 % pure recycled ABS-plastic,
highly impact-resistant
Colour: black
Length: 250 mm
Weight: approx. 20 g/peg article no.: 40020

TENDER PROPOSALS

1. ____ m² = ____ no.

RECYFIX GREEN SUPER

Turf honeycomb made of 100 % industrial recycled PE, highly impact-resistant, UV-stabilised, also suitable for mineral fill materials, with joint connection system, colour black, tested distributed load max. 4000 kN/m², l/w/h 600x400x75 mm, art. no. 40060.
To be supplied and laid in accordance with the manufacturer's installation instructions. Coverage approx. 4 blocks per m2. Quality in acc. with DIN EN ISO 9001:2000
Manufactured by: Hauraton GmbH & Co. KG
P. O. Box 16 61
D-76437 Rastatt, Germany
Tel.: +49-7222-958-0
Fax: +49-7222-958-102
E-Mail: export@hauraton.com

2. ____ no.

RECYFIX GREEN ANCHORING PEGS

made of 100% pure recycled ABS-plastic, highly impact-resistant, length 250 mm,
art. no. 40020

RECYFIX®GREEN STANDARD

ENVIRONMENTALLY FRIENDLY, LIGHT AND ROBUST.

GRASS REINFORCEMENT AND SOAKAWAY FOR AREAS WITH LIGHT TRAFFIC.





AT A GLANCE

- ☑ Super light-weight, hence easy and quick to install
- ☑ Easy to transport
- ☑ Proportion of lawn 90 %
- ☑ Resistant to weather
- ☑ Erosion protection, stabilises the turf

RECYFIX®GREEN STANDARD

ENVIRONMENTALLY FRIENDLY, LIGHT AND ROBUST

GRASS REINFORCEMENT AND SOAKAWAY FOR AREAS WITH LIGHT TRAFFIC.

REQUIREMENTS

Green space is an important part of the human environment. Sealing areas with light traffic usage with concrete / asphalt / paving slabs means a further reduction of vital green space. Decentralised ground seepage of precipitation water is an ecological requirement of increasing importance. In view of concerns for the ecology, modern innovative products should not only be manufactured from 100 % recycled HD-PE, but should also be fully recyclable themselves. In order to ensure consistent quality of the raw material, only non-mixed recycled materials should be used.

SOLUTION

RECYFIX GREEN STANDARD can be used to turn all occasional parking areas for passenger cars in public and domestic spaces into reinforced lawn areas for parking. Whilst the substrate is reinforced, the turf component is still 90%. And with RECYFIX GREEN STANDARD reinforcement, these lawn areas can support substantial weight. RECYFIX GREEN STANDARD meets the requirements of DIN 14090. Compared to paved surfaces, reinforced lawn areas have a lower run-off factor, which allows precipitation water to seep into the substrate provided the base layers are not impervious.









RECYFIX GREEN STANDARD can be used to reinforce grassed areas whilst allowing water to seep into the ground.

APPLICATION AREAS

All grassed areas with occasional vehicular usage such as car parking spaces but also pedestrian pathways and embankments etc. Also often used for emergency access ways for fire engines and rescue vehicles, for terraces, urban green spaces around trees, lawns and pathways in sports grounds (e.g. golf course pathways), camping places, holiday resorts, reinforcements for embankments and river banks.

These reinforcements are not suitable for filling with chippings or for areas with regular vehicular usage. In these cases we recommend the use of RECYFIX GREEN SUPER.

DIY INSTALLATION AT AN EQUESTRIAN PROPERTY

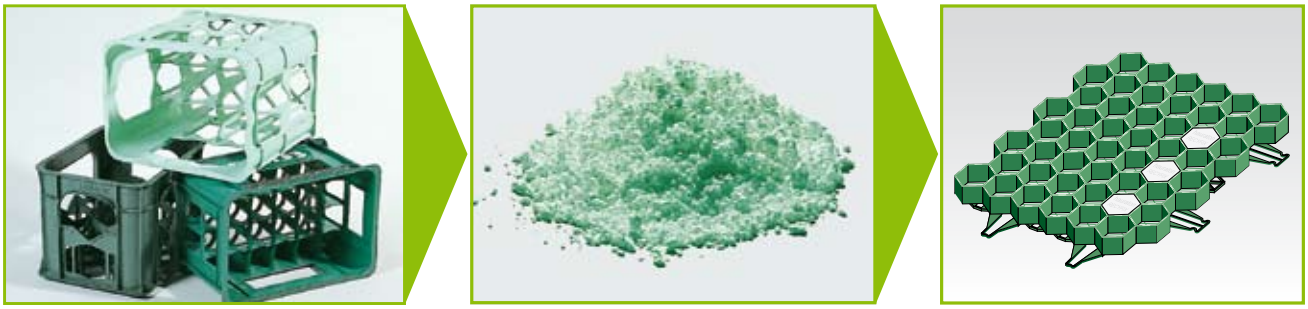




RECYFIX®GREEN STANDARD

ENVIRONMENTALLY FRIENDLY, LIGHT AND ROBUST

GRASS REINFORCEMENT AND SOAKAWAY FOR AREAS WITH LIGHT TRAFFIC.



100% RECYCLED HD-PE

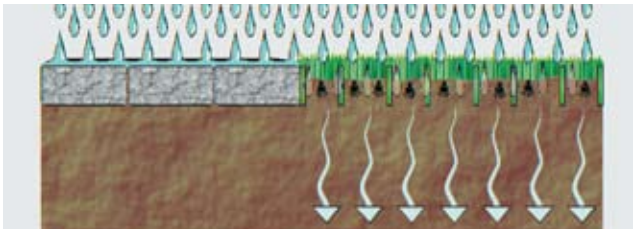
RECYFIX GREEN STANDARD consists of 100 % pure recycled HD-PE produced from bottle crates. The material is UV-stabilised and environmentally neutral – light green for soil and ground water. When the product has to be disposed off there is another bonus point for the environment – RECYFIX GREEN STANDARD can be recycled 100 %.

TESTED FOR DISTRIBUTED LOADS

RECYFIX GREEN STANDARD is light-weight and consists of a thin-walled mesh. At the same time, the special hexagonal construction on the base makes this reinforcement very strong. The material testing office of LGA Bavaria (Landesgewerbeanstalt Bayern) carried out tests in accordance with DIN 53454 and established possible distributed loads of approx. 200 tonnes per m^2. RECYFIX GREEN STANDARD is very well suited for grassed areas that are occasionally used for parking passenger cars, particularly in domestic situations. Another popular application is for temporary and short-term parking areas (for example for trade fairs and festivities etc.).

NATURAL DRAINAGE THROUGH GRASSED AREAS: PROTECTS US AND THE ENVIRONMENT

The continuing sealing off of the landscape through the construction of buildings, roads, squares etc. is a subject that concerns us all. The proportion of green space is in decline – affecting our quality of life. At the same time, flooding events have become more frequent in recent years. One import cause for these events is the sealing up of our landscape. Rainwater does not always have the chance to seep away naturally therefore it becomes run off and accumulates in the rivers. RECYFIX GREEN STANDARD reinforcement is a step in the right direction. It will reinforce areas with occasional vehicular usage but also retain their character as a green space that is permeable to water.



NO FREQUENT TURF REINSTATEMENT REQUIRED

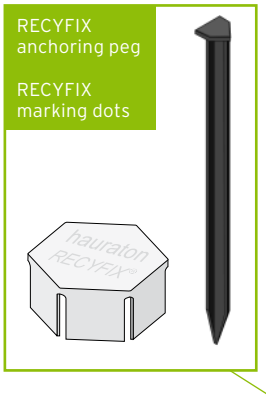
The honeycomb pattern ensures that the individual mats of RECYFIX GREEN STANDARD are interlinked and transfer loads. The resulting structure forms a homogenous surface, which will prevent the formation of ruts and tracks that are inevitable where vehicles drive across unreinforced grass areas. At the same time, grassed areas will be protected against the effects of mole infestations. The turn remains intact and you save later costs for grass reinstatement.

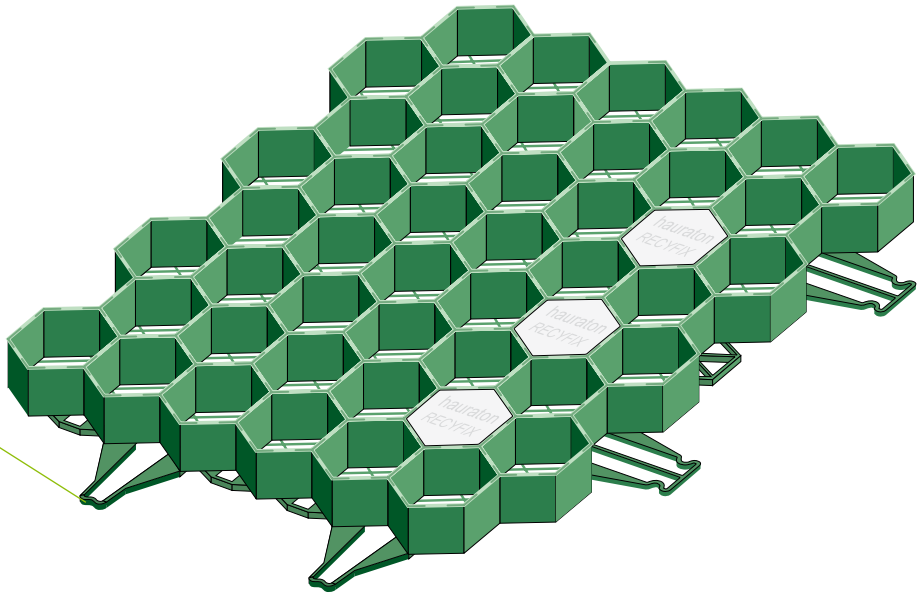
PROTECTION AGAINST EROSION

RECYFIX GREEN STANDARD provides good protection against soil erosion. In banks and embankments they prevent soil from sliding down the slope. For the application on slopes and embankments, RECYFIX anchoring Pegs are available for additional stability and safety.

QUICK AND EASY TO LAY

RECYFIX GREEN STANDARD is very light-weight; for example one mat of size 1 weighs only approx. 610 g, making it possible to cover large areas in very little time. Its special construction means that only simple tools and little effort is needed for installation.





TECHNICAL DATA

☐ RECYFIX GREEN STANDARD
Material: 100 % pure recycled HD-PE,
highly impact-resistant, UV-stabilised
Colour: green
The recycling process may result in variations in colour.
Openings for root penetration: over 50 %

Size 1 dimensions: approx. 387 mm x 334 mm x 38 mm
Coverage: approx. 5.9 mats per m^2
installation with fixed expansion joint (to compensate for longitudinal expansion)
Weight: approx. 610 g/piece article no.: 40000

Size 2 dimensions: approx. 387 mm x 555 mm x 38 mm
coverage: approx. 3.8 mats per m^2
installation with fixed expansion joint (to compensate for longitudinal expansion)
Weight: approx. 1000 g/piece article no.: 40005

RECYFIX MARKING DOTS

to provide a visual demarcation between parking lots etc.
Material: 100 % HD-PE,
highly impact-resistant,UV-stabilised
Colour: white
Height: 38 mm
Weight: approx. 20 g/piece article no.: 40015

RECYFIX ANCHORING PEGS

for additional anchoring on sloping ground
Material: 100 % unmixed recycled ABS-plastic,
highly impact-resistant
Colour: black
Length: 250 mm
Weight: approx. 20 g/piece article no.: 40020

TENDER PROPOSALS

1. ____ m^2 = ____ no.

RECYFIX GREEN STANDARD

Turf honeycomb made of 100 % pure recycled HD-PE, highly impact-resistant, UV-stabilised, tested for distributed loads of max. 200 to/m^2, length 387 mm, width 334/555 mm, height 38 mm, with joint linkage, quantity required: ____ pieces/m^2, colour green, art. no. 40000/40005. To be supplied and laid in accordance with the manufacturer's installation instructions. Coverage approx. 5.9/3.8 blocks per m2, including fixed expansion joint. Quality in acc. with DIN EN ISO 9001:2000
Manufactured by: Hauraton GmbH & Co. KG
P. O. Box 16 61
D-76437 Rastatt, Germany
Tel.: +49-7222-958-0
Fax: +49-7222-958-102
E-Mail: export@hauraton.com

2. ____ no.

RECYFIX GREEN MARKING DOTS

from 100 % HD-PE, highly impact-resistant, UV-stabilised, white, height 38 mm, art. no. 40015

3. ____ no.

RECYFIX GREEN ANCHORING PEGS

made of 100 % unmixed recycled ABS-plastic, highly impact-resistant, length 250 mm, art. no. 40020