



English



Tee & green

Driving range

Cart paths

Bank and slope  
reinforcement

Golf courses



**ECORASTER**<sup>®</sup>



### The ground reinforcement system for golf courses

- ✓ Permanent drainage
- ✓ Stable, non-slip, dry surface
- ✓ Minimal maintenance
- ✓ Patented safety interlocking system
- ✓ Multiple TÜV certification



## Professional from first tee to last hole

Building a golf course with its many different features, each having a different function and subject to different conditions of use, is far from simple. Then there are factors which cannot be influenced, such as the weather. Poor drainage is one of the most common problems that restrict year-round operation, or indeed render it impossible. Intensive use contributes to undesirable ground compaction, which in turn demands being maintained.

## Experience that pays

Ground reinforcement with ECORASTER® solves all these problems for you. Take advantage of our many years of experience! ECORASTER® grids, with multiple certification under the German DIN quality system, make your golf course more player-friendly. Starting with the walk to the first tee



**Stability, smooth, dry ground and perfect paths thanks to ECORASTER®.**  
*ECORASTER® meets the requirements of sport and environment.*

**Green Way Pavements™**  
Exclusive Northeast USA Distributor  
for **Pirrus North America, Inc.**  
[www.greenwaypavements.com](http://www.greenwaypavements.com)

## Advantages

Robust ground reinforcement without surface sealing
Permanent drainage and no waterlogging
Ecologically valuable moisture retention (grassed)
Water removal (ungrassed), high elasticity
Up to 350 t/m <sup>2</sup> loadbearing strength, suitable for maintenance machines
100% recycled, environmentally friendly polyethylene
100% recyclable
Elastic, crackproof and non-slip
Strong and rot-proof
Unaffected by temperature fluctuations
Weather-, frost- and UV-resistant

## Applications

Teeing ground and green
Practice area: driving range, pitching and putting greens
Parking areas, access routes
Fire brigade access
Footpaths and caddy paths
Golf cart-parking areas
Storage spaces (greenkeeping)
Bank and slope stabilisation
Erosion control
Renaturalisation
Golf course renovation

ECORASTER® makes cart paths, fairways, teeing grounds, and greens more enjoyable through the mud, instead of a non-slip surface for golfers and vehicles alike.

Ground reinforcement with ECORASTER® creates surfaces that remain fully functional even under extreme loads and weather conditions. The various ECORASTER® types are designed for use in combination to provide the ideal solution for every location, whatever the requirements. For parking areas, they can be grassed or filled with gravel or chippings. The same applies to access routes and footpaths. The cell walls of the ECORASTER® grids remain visible with this type of installation. But when the grids are laid under turf to provide surface stabilisation and efficient drainage, all you see is a splendid sea of green – ECORASTER® does its job completely out of sight.

If you use machines to maintain your golf course, that's no problem either! The enormous strength of the ECORASTER® grids means they are still the best choice. They even put an end to standing water because rainwater simply drains away through the topocorrid cells.

Golf course maintenance has never been so simple!







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## Surface composition and filling

A golf course is the sum of many parts, all of which must withstand different demands, so they each have to be designed differently and with a variety of materials. Sand, chippings, humus, turf – the ECORASTER® grids are ideal for every material and type of surface.

### ① Filling

ECORASTER® can be filled with a range of materials to suit the particular type of use: special-purpose grass, silica sand, crushed marble, gravel, lava granules, bark mulch and more besides. So you have numerous attractive design options, according to the required function and area of the

### ② ECORASTER®

The strength and functional properties of the ECORASTER® types make them suitable for many different applications on golf courses. Whatever the stabilisation task, we offer the appropriate solution. Simply contact us for advice!

### ③ Levelling course

To smooth out any unevenness in the base layer, the ECORASTER® grids should be laid on a levelling course up to 2 cm thick, e.g. chippings (approx. 0.02 m<sup>2</sup>/m<sup>2</sup>).

### ④ Base layer

We recommend a base layer of broken stone (5-62 mm) to ensure optimal surface drainage. The depth of this layer is calculated according to the expected load.



## Nature and technology

Environmental compatibility is an important factor in a sport like golf, which is essentially played in the countryside.

ECORASTER® delivers everything you would expect from an ecological surface reinforcement system – combining rainwater infiltration and a fully functional surface. It enables you to install an affordable natural drainage system that can be grassed and is suitable for traffic use, while avoiding surface sealing.

The sturdy, durable grids, made of pure polyethylene, are entirely environmentally neutral. What's more, there are beneficial effects for the water regime of the site. The cells of the ECORASTER® grid allow rainwater to soak away unhindered. So even with heavy and persistent rain, no puddles form.

ECORASTER® permits complete grass cover. The grids blend perfectly with the surroundings and are barely visible after a vegetation period.

And if you don't want to wait that long, there is the instant solution: ECOGREEN®!

In just a few hours, the pre-grassed ECORASTER® elements transform bare ground into a luxurious, green lawn. The surface is reinforced and withstands traffic, without being sealed.

## Pleasing to the eye

ECORASTER® is in its element when it comes to golf course design, opening up a wide scope for creating attractive features. At water obstacles or artificial lakes which serve as water reservoirs, the tiles can be used for bank reinforcement and stream-bed stabilisation. It is even possible to create integrated biotopes. Many older golf courses suffer serious wear and tear from increasing use and maintenance machines. ECORASTER® makes the necessary renovation work a pleasure. Whether you are enlarging small greens, laying out new paths or simply strengthening a few slopes – elastic tiles are available to suit every job!





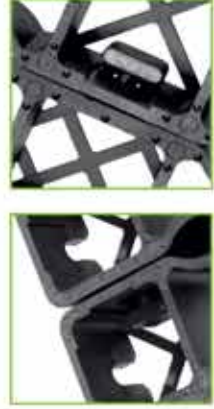
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**>> Know-how in every situation**  
 Ecoraster® systems for numerous applications on golf courses



The patented safety interlocking system (Patent no. 0576939) guarantees secure interconnection between the individual tiles. The connectors (26 per sq. m) engage with each other when the tiles are laid to give a continuous surface. So even extreme point loads will not produce dangerous edges or surface deformation.



## Quality - made in Germany

100 % recycled polyethylene

Multiple TÜV certification

20-year guarantee

Over 15 years of market experience

We are continuously expanding the range of applications of our Ecoraster system in order to provide you with a highly versatile product range. The combination of our individual system solutions: Ecoraster® S50, E50, E40 and EL30, ensures optimal ground reinforcement every time.

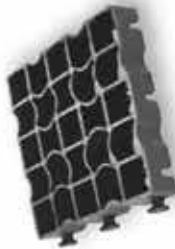
## Joined up for good!

The longer your golf course, the more important it is to keep the cart paths in good order. Thanks to the closed surface structure created with Ecoraster grids, you never have to worry about mud or ruts on your "traffic routes".

### E 50

High-strength  
 33.3 x 33.3 x 5 cm (W x L x H)

Parking areas  
 Cart parking spaces



### S 50

Super-elastic  
 33.3 x 33.3 x 5 cm (W x L x H)

Teeing grounds  
 Greens  
 Caddy paths



### EH 40

Versatile  
 33.3 x 33.3 x 4 cm (W x L x H)

Cart paths  
 Storage areas for  
 course maintenance



### EL 30

Cost-effective  
 33.3 x 33.3 x 3 cm (W x L x H)

Slope reinforcement  
 Bank design



# Laying

## Laying Ecoraster is easier than playing golf!

12 individual tiles are preconnected at the factory to form convenient units for installation. Each unit you lay means another 1.33 sq. m completed.

If required, the units can be separated; individual tiles can be cut to size with a hand-held circular saw.

**You will find detailed information in the separate Installation Instructions.**



Step 1

Simple installation



Step 2

Put down a complete unit and align



Step 3

Engage the safety interlocking system



Step 4

Finished – all the tiles are securely interconnected

## Other applications

ECORASTER® is also the perfect solution in other areas: car parks, open spaces around buildings, bank and slope stabilisation, ground reinforcement for equestrian sports.

It is even used in agriculture and in zoos. The extreme weather resistance of ECORASTER® opens up limitless uses in road construction, horticulture and landscaping.



You can obtain detailed advice from:



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