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 extra maintenance.

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 TÜV 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.

ECORASTER® makes cart paths safer. No more trudging through the mud. Instead: 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 honeycomb cells.

Golf course maintenance has never been so simple!

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/m² 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
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 use.

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 m³/m²).

4 Base layer
We recommend a base layer of broken stone (5/32 mm) to ensure optimal surface drainage. The depth of this layer is calculated according to the expected load.

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.

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: rainwater infiltration and a fully functional surface. It enables you to install an affordable natural drainage system that can be grassed and is available for traffic use, while avoiding surface sealing.

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The sturdy, durable grids, made of pure polyethylene, are 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® permits complete grass cover. The grids blend perfectly with the surroundings and are barely visible after a vegetation period.
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 (36 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.

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”.

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.

Quality - made in Germany

100 % recycled polyethylene
Multiple TÜV certification
20-year guarantee
Over 15 years of market experience

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

Parking areas
Cart parking spaces

Super-elastic
33.3 x 33.3 x 3 cm (W x L x H)

Teeing grounds
Greens
Caddy paths

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

Cart paths
Storage areas for course maintenance

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.

Simple installation
Put down a complete unit and align
Engage the safety interlocking system
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 stabilization, 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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