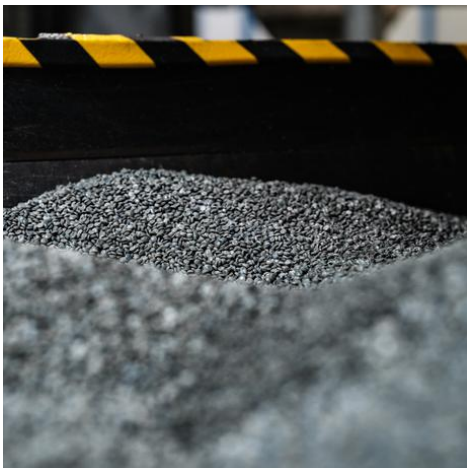
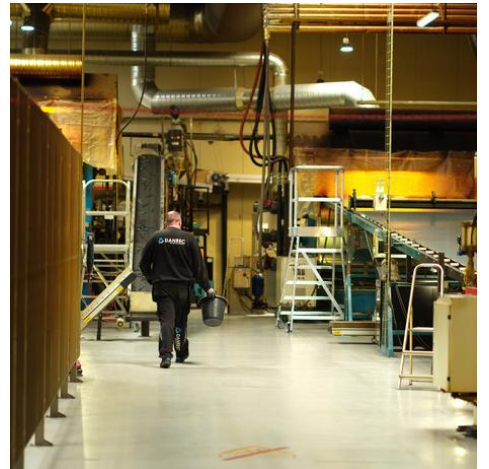
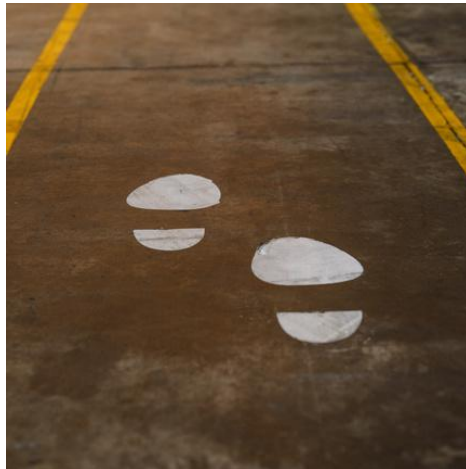




DANREC A/S – Case Collection

Selected Projects and Applications

Protecting a grass verge during roadworks

Challenge

During roadworks, a temporary access route to the work area was required that would also protect the grass verge and the underlying ground.

Solution

20 DAN-Board Classic ground protection mats were installed to create a temporary access route from the road to the work area.

Result

The solution provided stable access for construction machinery while effectively protecting the grass verge from damage. Once the work was completed, the mats could easily be removed and reused for future projects.

- Stable access for construction machinery
- Effective ground protection
- Easy removal and reuse

Customer: Baushop NRW
Location: Cologne, Germany
Product: DAN-Board Classic



*Protecting a grass
verge during
roadworks with
DAN-Board
Classic.*



Protecting a verge during construction work

Challenge

Construction work required the verge alongside the work area to be protected while allowing construction machinery to operate without obstruction.

Solution

DAN-Board Classic ground protection mats measuring 3000 × 1000 × 15 mm were installed alongside the work area.

Result

The solution protected the verge from damage and compaction while providing a stable working surface throughout the construction work. Once the work was completed, the mats could easily be removed and reused for future projects.

- Protection against damage and compaction
- Stable working surface
- Easy removal and reuse

Customer: Voerman Rijplaten
Location: Baarlo, the Netherlands
Product: DAN-Board Classic



Protecting a verge during construction work with DAN-Board Classic.



Protecting a football pitch during construction work

Challenge

Construction work on a football pitch required the use of a lift and a 30-tonne crane, among other equipment. It was essential to protect the grass from damage while ensuring stable access for the heavy equipment – even in challenging winter conditions.

Solution

30 DAN-Board Classic ground protection mats (3 × 1 m), covering a total area of 90 m², were installed to create a temporary access route across the football pitch.

Result

The solution provided stable access for the heavy equipment while protecting the football pitch from damage.

- Stable access for heavy equipment
- Effective protection of the football pitch
- Suitable for challenging winter conditions

Customer: B-Art Service
Location: Toruń, Poland
Product: DAN-Board Classic



*Protecting a
football pitch
during
construction work
with DAN-Board
Classic.*



Protecting grassed and paved areas

Challenge

Foundation work required safe access for heavy machinery and equipment without damaging the underlying grassed and paved areas.

Solution

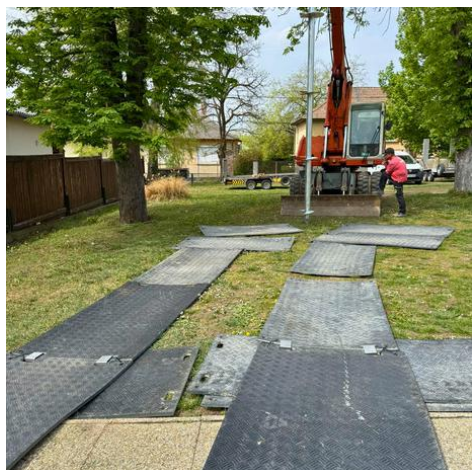
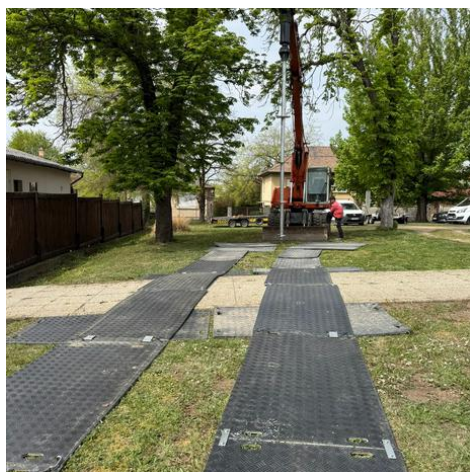
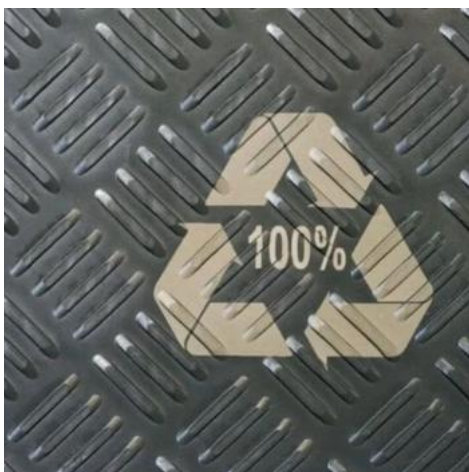
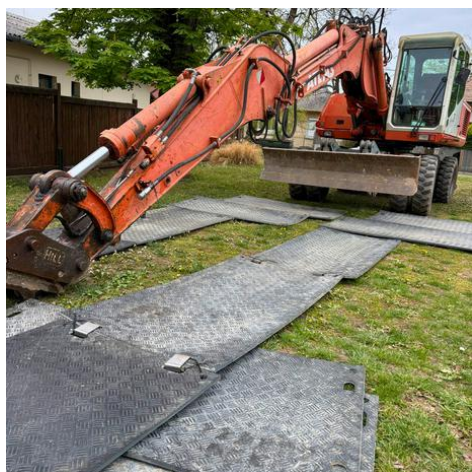
A combination of DAN-Board Classic ground protection mats, primarily measuring 3000 × 1000 × 20 mm, was installed to create temporary access tracks between the work areas. The mats were easily joined using H-Connectors and Single Connectors.

Result

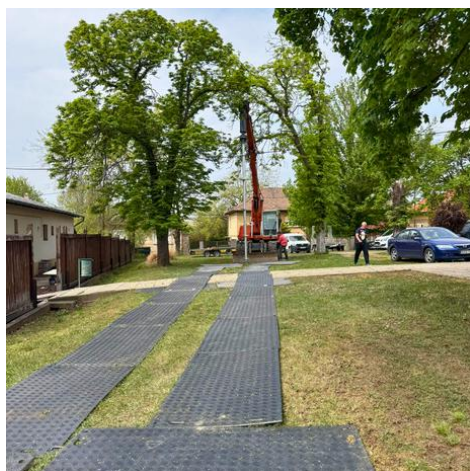
The stable surface made it possible to move heavy equipment safely around the site without damaging the grass or paving. Once the work was completed, the mats could easily be removed and reused.

- Safe access for heavy equipment
- Protection of both grass and paving
- Easy installation, removal and reuse

Customer: Tutti Hungary
Location: Budapest, Hungary
Product: DAN-Board Classic



Protecting grassed areas and other surfaces with DAN-Board Classic.



Temporary access routes and working areas for an open-air event

Challenge

An open-air event in Munich required stable access routes and working areas for heavy traffic and temporary facilities – without damaging the underlying grass.

Solution

In close collaboration with the customer, DAN-Board Classic was used for various purposes across the event site, including access and transport routes and as a stable base for portable toilets. A total of 500 mats covering approximately 1,440 m² were installed. The mats were easily joined using H-Connectors and Single Connectors.

Result

The event site benefited from a flexible solution that provided stable access and support wherever needed while protecting the grass. After the event, the mats could easily be removed and reused.

- Flexible solution for multiple event requirements
- Stable surface for heavy traffic and temporary facilities
- Protection of the grass and easy reuse

Location: Munich, Germany
Product: DAN-Board Classic



A stable surface at the event site that protects the underlying grass.



Protecting paving stones during crane operations

Challenge

A heavy truck-mounted crane needed access through a narrow paved area in Budapest. The weight of the vehicle and the pressure generated during the crane operation could potentially damage the paving stones.

Solution

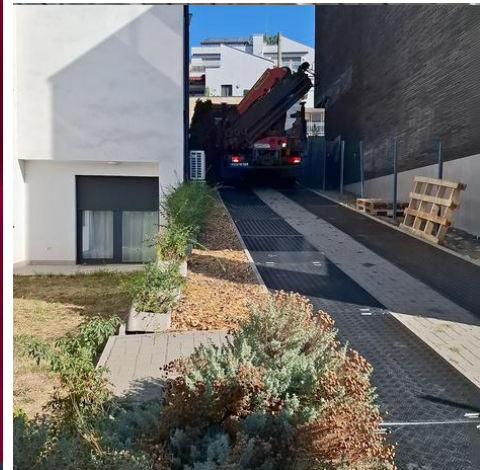
DAN-Board Classic ground protection mats were installed along the access route and beneath the vehicle's wheels. The mats helped distribute the load across a larger surface and protected the paving stones while the truck and crane were in operation.

Result

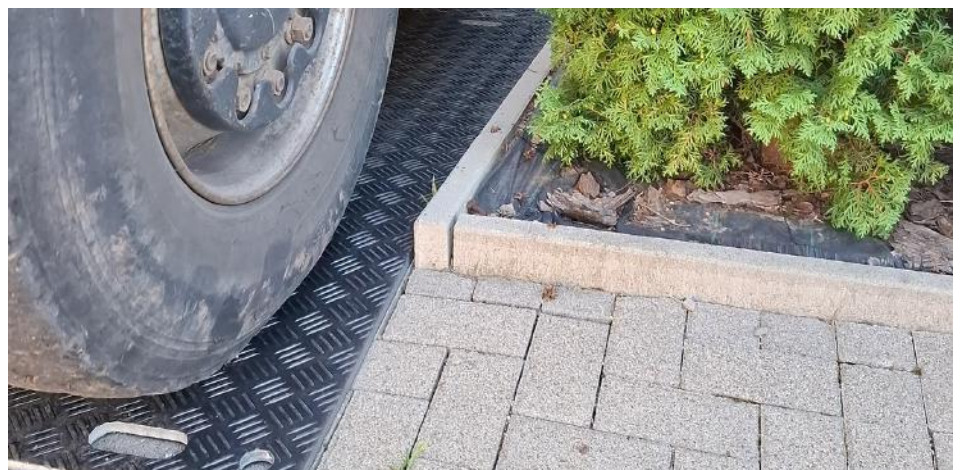
The solution provided stable access for the heavy vehicle and allowed the crane operation to be carried out without damaging the paved surface. After the work was completed, the mats could easily be removed and reused.

- Effective protection of paving stones
- Improved load distribution
- Stable access for a heavy vehicle
- Easy removal and reuse

Customer: Tutti Mobil
Location: Budapest, Hungary
Product: DAN-Board Classic



Protecting paving stones during crane operations with DAN-Board Classic.



Temporary access routes for heavy equipment

Challenge

A municipal landscaping project required temporary working areas and access routes for construction machinery and trucks without damaging the surrounding green spaces and public areas.

Solution

More than 200 DAN-Board Xtreme ground protection mats (2400 × 1200 × 22 mm) were installed across an area of approximately 600 m². The mats were joined using Connector Plus. Xtreme was selected for its excellent slip resistance.

Result

The mats provided stable and safe access throughout the construction period while protecting the green spaces from compaction and damage. They were also laser-marked with the customer's company name, helping to reduce the risk of theft.

- Slip-resistant and stable access for heavy equipment
- Protection against damage and compaction
- Laser marking helps reduce the risk of theft

Customer: Geith & Niggel GmbH & Co. KG
Location: Munich, Germany
Product: DAN-Board Xtreme



Temporary access routes for heavy equipment using DAN-Board Xtreme.



Temporary access tracks for forestry operations

Challenge

Forestry operations required stable access tracks for forestry machinery and transport vehicles across soft and uneven terrain. At the same time, the forest floor needed to be protected from deep ruts and unnecessary damage.

Solution

In 2024, DANREC supplied more than 1,000 DAN-Board Xtreme ground protection mats to the Polish State Forests. DAN-Board Xtreme was selected for its excellent slip resistance and suitability for heavy machinery.

Result

The solution made it easier to transport timber and equipment while protecting the forest floor from unnecessary compaction and damage. The mats could easily be reused at other work sites.

- Improved access across soft and uneven terrain
- Slip-resistant surface for heavy forestry machinery
- Protection of the forest floor and easy reuse

Customer: Polish State Forests
Location: Northern Poland
Product: DAN-Board Xtreme



*Temporary access
tracks for forestry
operations using
DAN-Board
Xtreme.*



Protecting a running track during maintenance work

Challenge

Maintenance work on the stadium's floodlight masts required stable access for equipment weighing up to 70 tonnes. At the same time, it was essential to protect the running track from damage.

Solution

180 DAN-Board Xtreme ground protection mats (3000 × 2400 × 22 mm) were installed to create a temporary access route through the stadium.

Result

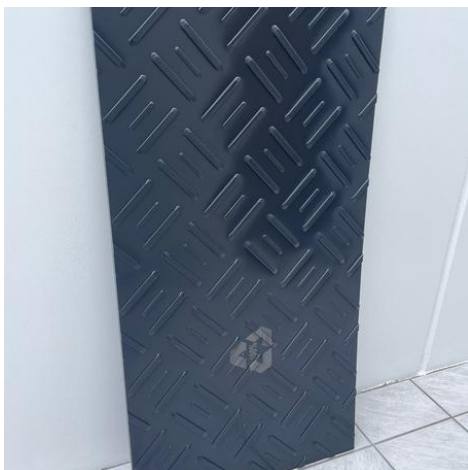
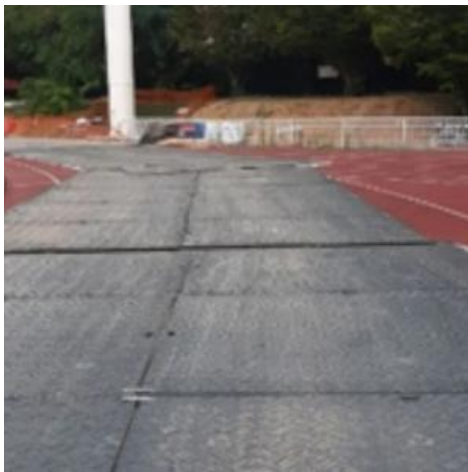
The mats created a stable surface and distributed the load from the heavy equipment while protecting the running track from damage. The maintenance work could be carried out efficiently without disrupting the stadium's daily operations.

- Stable access for equipment weighing up to 70 tonnes
- Effective load distribution and protection of the running track
- Maintenance work without disruption to daily operations

Customer: Locaplaques
Location: Paris area, France
Product: DAN-Board Xtreme



*Protecting a
running track
during
maintenance work
using DAN-Board
Xtreme.*



Durable wall cladding for modern livestock buildings

Challenge

A modern livestock building required durable wall cladding capable of withstanding moisture, slurry and the demands of daily use. At the same time, the surface needed to be easy to clean and support efficient operations.

Solution

Approximately 350 m² of DAN-Board Smooth in the colour Neutral was installed as wall cladding in the livestock building.

Result

The smooth, robust sheets are resistant to moisture, slurry and chemicals while making cleaning quick and easy.

- Robust surface for the demands of daily use
- Resistant to moisture, slurry and chemicals
- Quick and easy cleaning

Location: Inwil, Switzerland
Product: DAN-Board Smooth



*Durable wall
cladding for
modern livestock
buildings using
DAN-Board
Smooth.*



Extending the flying season by reinforcing a grass runway

Challenge

Heavy rainfall repeatedly forced Texel Airport to close its grass runway, reducing the number of flights. The airport needed a solution that would improve load-bearing capacity without replacing the natural grass surface with asphalt.

Solution

36,000 m² of Terra-Grid E® 35 was installed directly on top of the existing grass runway without any ground preparation. The modular system was installed and interconnected in just ten working days.

Result

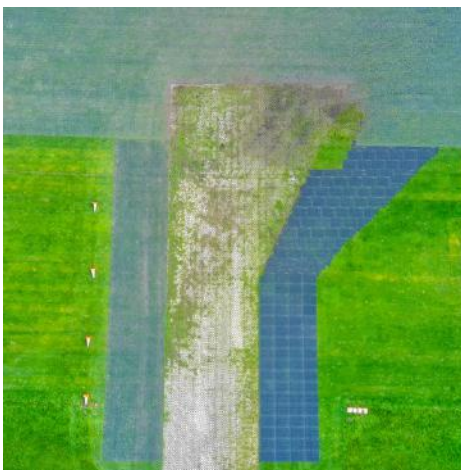
The result is a stable and reliable runway capable of withstanding heavy rainfall. At the same time, the runway has retained its green appearance and supports the airport's sustainability vision. The improved traction also means that aircraft use less fuel during take-off and taxiing.

- Fewer weather-related closures and a longer flying season
- Installation in just ten working days without ground preparation
- Four to five times less expensive than asphalt

Customer: Texel International Airport
Location: Texel, the Netherlands
Product: Terra-Grid E® 35



*A green runway
with high load-
bearing capacity
using Terra-Grid
E® 35.*



Stabilising a lift track in a bike park

Challenge

The lift track at Wexl Trails is exposed to daily operational demands and changing weather conditions. A solution was needed to stabilise the surface and ensure reliable operation.

Solution

Approximately 900 m² of Terra-Grid E® 35 was installed along the lift track to stabilise the surface and prevent rutting and erosion. The modular system allowed the solution to be adapted to the terrain and the varying width of the track.

Result

The result is a stable and durable lift track requiring minimal maintenance. At the same time, the risk of erosion is reduced, and the installation blends naturally into the surrounding landscape.

- Stable and durable track
- Reduced erosion, rutting and maintenance
- Flexible adaptation to the terrain and varying track widths

Customer: Wexl Trails

Location: St. Corona am Wechsel, Austria

Product: Terra-Grid E® 35



*Stabilising a bike
park lift track using
Terra-Grid E® 35.*



Stable nature trail on soft ground

Challenge

An existing footpath was often muddy and difficult to use, particularly during periods of rainfall. A solution was needed to create a stable surface without altering the area's natural appearance.

Solution

Terra-Grid E® 35 was installed to stabilise the surface and prevent sinking. The grid was then covered with wood chips.

Result

The result is a durable and comfortable footpath that can be used throughout the year, even in wet weather. The solution blends naturally into the surroundings and requires minimal maintenance.

- Stable and usable throughout the year
- Permeable surface that helps prevent mud and sinking
- Natural appearance and minimal maintenance

Customer: Therapiehof Niederrhein – Schönen

Location: Viersen, Germany

Product: Terra-Grid E® 35



*A stable nature
trail on soft ground
using Terra-Grid
E® 35.*



Durable parking for commercial sites

Challenge

A commercial site required a parking and traffic area capable of withstanding daily use by cars, trucks and service vehicles. The solution also needed to provide effective drainage and be installed without extensive groundworks.

Solution

Terra-Grid E® 35 was installed on a prepared sub-base and filled with crushed stone, creating a stable surface with high load-bearing capacity.

Result

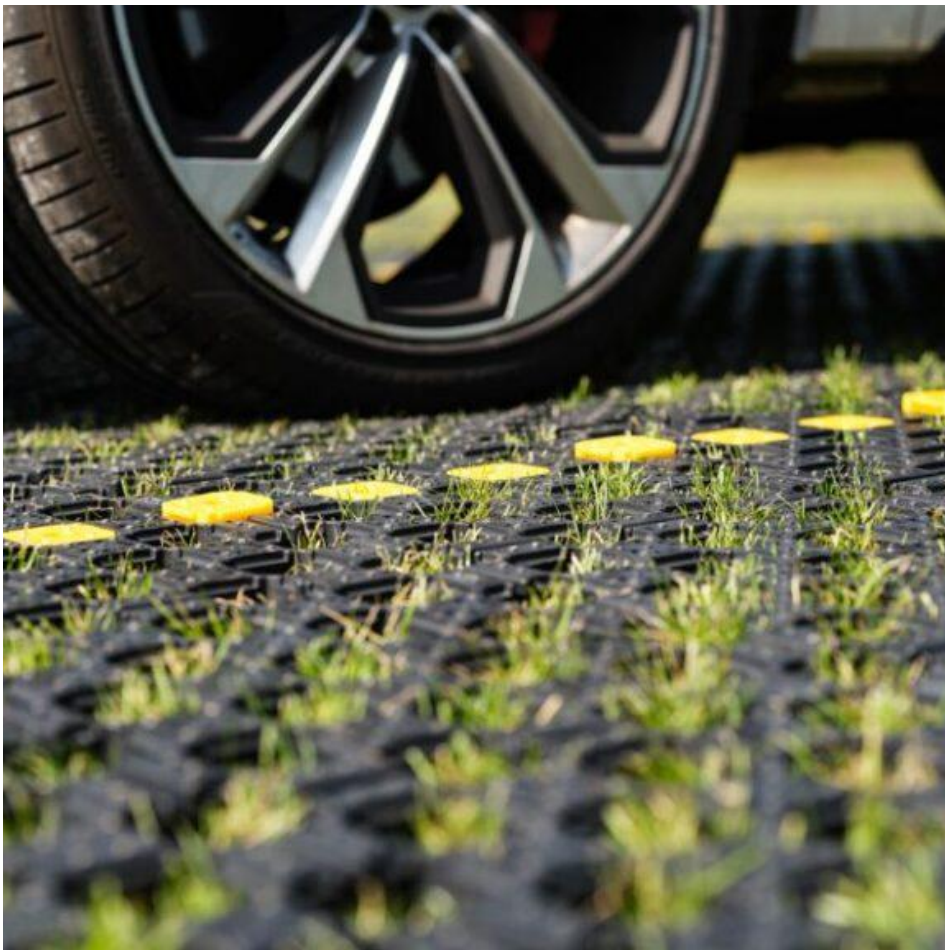
The result is a durable, low-maintenance parking and traffic area capable of handling both daily traffic and heavy loads. The solution is a sustainable alternative to asphalt and concrete and can be installed quickly and cost-effectively.

- High load-bearing capacity for cars and heavy traffic
- Effective natural drainage
- Rapid installation and limited maintenance

Customer: TLS Kühne
Location: Dresden, Germany
Product: Terra-Grid E® 35



*Durable parking
for commercial
sites using Terra-
Grid E® 35.*



Runway for heavy aircraft

Challenge

A grass runway needed to be reinforced to withstand the load from heavy aircraft without compromising its natural drainage or green appearance. The solution also needed to be installed quickly across a large area.

Solution

Terra-Grid E® 35 was installed on a runway measuring 1,100 metres in length and 15 metres in width. The project was completed in just two weeks.

Result

The result is a 16,500 m² reinforced grass runway capable of withstanding the load from heavy aircraft.

- High load-bearing capacity for heavy aircraft
- 16,500 m² installed in just two weeks
- Natural drainage and a preserved green appearance

Location: Zwickau, Germany
Product: Terra-Grid E® 35



A runway for heavy aircraft using Terra-Grid E® 35.



Temporary parking for 250 cars

Challenge

Swissbility needed a fast, cost-effective and sustainable parking solution for approximately 250 cars on an existing grassed area. The car park was required for five years and then needed to be removable without leaving any permanent traces.

Solution

4,480 m² of Terra-Grid E® 35 was installed with minimal ground preparation, and the modular system enabled rapid installation.

Result

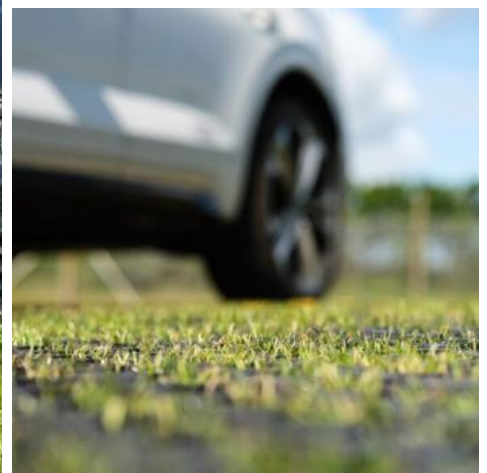
Construction costs were reduced by up to 60% compared with asphalt and concrete. After the five-year period of use, the area can be restored to its original condition.

- Up to 60% lower construction costs
- Rapid installation with minimal ground preparation
- Removable without leaving permanent traces

Customer: Swissbility
Location: Langenthal, Switzerland
Product: Terra-Grid E® 35



*Temporary
parking for 250
cars using Terra-
Grid E® 35.*



Runway marking at Teenuse-Saare Airfield

Challenge

Teenuse-Saare Airfield in Estonia needed a solution to clearly mark its grass runway in line with ICAO guidelines for aerodrome markings.

Solution

More than 300 m² of Terra-Grid E® 35 and over 1,200 Big Markers were used to create visible runway markings, including the runway designation.

Result

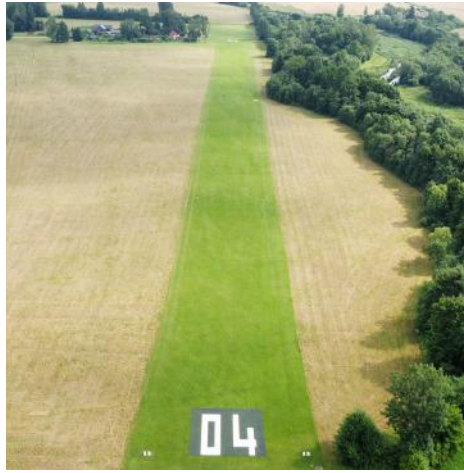
The solution provides clearly visible runway markings while preserving the surrounding grass surface and addressing the airfield's requirements for ICAO-compliant markings.

- Runway marking in line with ICAO guidelines
- More than 300 m² of Terra-Grid E® 35
- Over 1,200 Big Markers

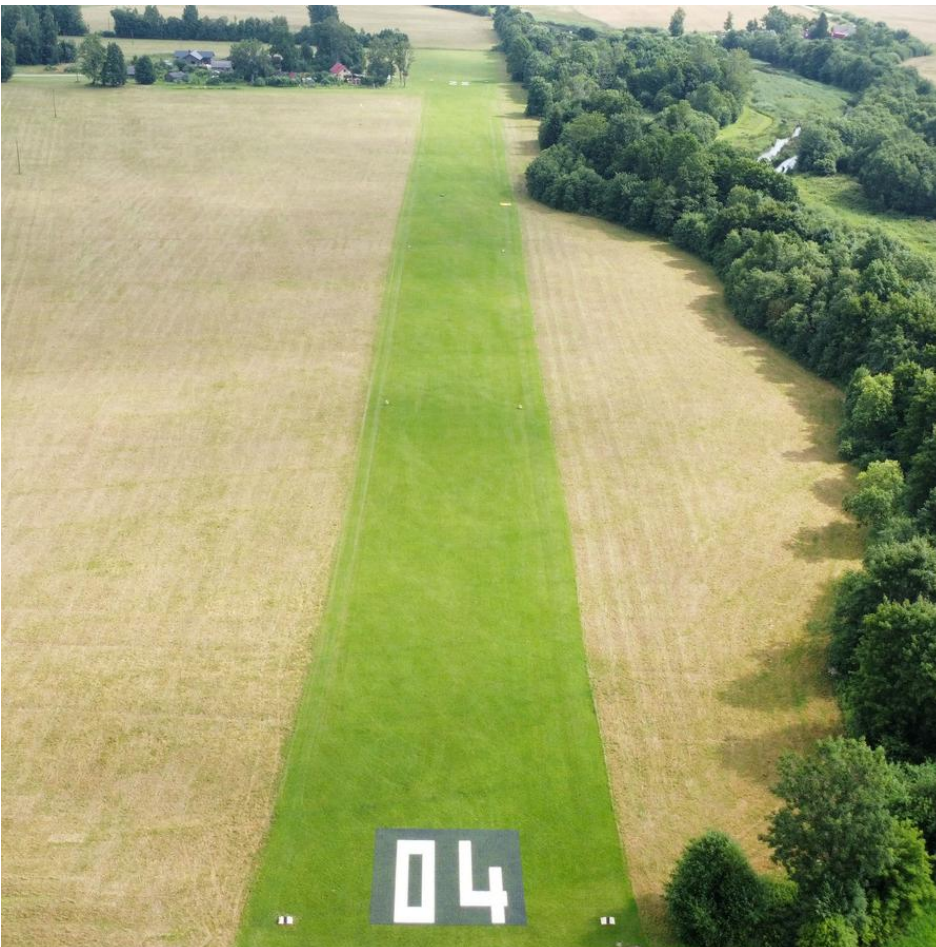
Customer: Polegate OÜ

Location: Teenuse-Saare Airfield (EETS), Estonia

Product: Terra-Grid E® 35



*Runway marking
using over 300 m²
of Terra-Grid E®
35 and 1,200
markers.*



Grass reinforcement at a campsite in the Netherlands

Challenge

A campsite in the northern Netherlands needed a solution to reinforce its grass-covered pitches while maintaining a natural green appearance and providing stable surfaces for caravans, motorhomes and cars.

Solution

A total of 4,500 m² of Terra-Grid E® 35 was installed across the campsite. The grass reinforcement system provides a stable, load-bearing surface while allowing rainwater to drain naturally and grass to grow through the grid.

Result

Six months after installation, the grass has grown completely through the Terra-Grid E® 35, making the grid almost invisible. The campsite has retained its natural green appearance while benefiting from reinforced surfaces designed to withstand vehicle traffic.

- 4,500 m² of Terra-Grid E® 35 installed
- Stable, reinforced pitches for caravans, motorhomes and cars
- Natural green appearance just six months after installation

Customer: Campsite in the Netherlands

Location: Northern Netherlands

Product: Terra-Grid E® 35



*4,500 m² of Terra-Grid E® 35
installed at a
campsite in the
Netherlands*



Stable flooring in a horse shelter

Challenge

The floor of a horse shelter needed to withstand daily use by the horses without becoming uneven or muddy. A stable, permeable and easy-to-maintain surface was required for year-round use.

Solution

Terra-Grid E® 35+ was installed as flooring in the horse shelter.

Result

The result is a firm and reliable floor that performs throughout the year. The combination of effective drainage and optimum load distribution reduces mud formation and makes the area more functional and easier to maintain.

- Stable and even flooring throughout the year
- Effective drainage and load distribution reduce mud formation
- Minimal maintenance

Customer: Imgex
Location: Geldern, Germany
Product: Terra-Grid E® 35+



*Stable flooring in a
horse shelter using
Terra-Grid E® 35+.*



Sustainable courtyard using recycled materials

Challenge

A new courtyard with access routes and parking areas was required behind two listed residential buildings. The solution needed to meet municipal requirements, provide natural drainage and be both sustainable and cost-effective.

Solution

Terra-Grid RC® 40 was selected as an alternative to traditional concrete grass pavers.

Result

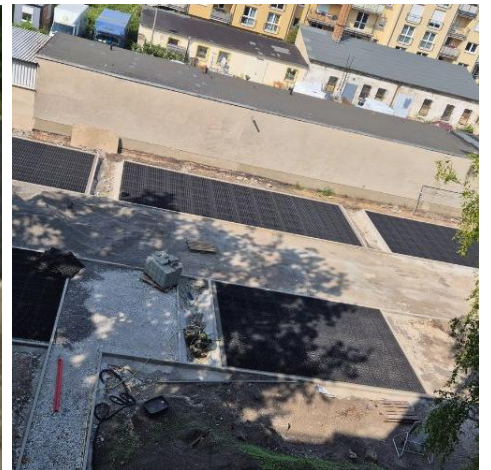
The result is a modern courtyard with access routes and parking areas that meets both municipal and environmental requirements. Compared with traditional concrete grass pavers, both construction costs and installation time were reduced, while rainwater can still infiltrate naturally.

- Lower construction costs
- Faster installation than concrete grass pavers
- Made from recycled materials with natural rainwater infiltration

Customer: TLS Kühne
Location: Germany
Product: Terra-Grid RC® 40



A sustainable courtyard using recycled materials and Terra-Grid RC® 40.



Thank you for your interest.

If you have any questions, need advice or would like to learn more about our products, we are happy to help you find the right solution.

Contact us if you would like product samples or a quotation.

We look forward to hearing from you.

Contact DANREC

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