

The background of the image is a high-angle photograph of a modern landscape. It features a paved area with square tiles in two shades of grey, separated by a diagonal line. In the upper left, there is a clump of tall, feathery grass. In the lower right, a tree trunk is visible, surrounded by a bed of smooth, light-colored pebbles. A decorative border made of small white square tiles separates the paved area from the pebble bed. The Durano logo, consisting of a stylized 'D' made of four squares, is positioned to the left of the brand name.

DURANO

GROUND SYSTEM

COLLECTION 2026 / 27

Grids from the Durano Pro Green Space collection are made from recycled materials; they are durable and robust. In addition, they are very easy to install. They are well suited for use in horticulture, road construction, and urban green space projects.

The grids are compliant with REACH requirements and have been tested by the Road and Bridge Research Institute in relation to the National Technical Assessment, obtaining the B construction mark.

Manufactured from durable recycled material, the grids are characterised by high mechanical resistance, low weight, and ease of installation, which significantly accelerates on-site works.

The wide range of Durano grids allows for the selection of solutions that meet specific requirements and enable the creation of efficient, water-permeable surfaces with confirmed biological activity.

Colour palette

grids



markers



Designations



symbol



dimensions



grid area [m²]



maximum weight* [t/m²]

*The stated maximum permissible load applies solely where a suitably designed structural sub-base has been provided.



biologically active surface* [%]

*an area with a surface designed to support natural vegetation growth and rainwater retention.

Legend



light weight



durability and strength



no tools required



fixing clips



grid installation



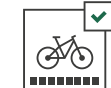
ground anchoring



installation of ground markers



pedestrian pathway



cycle path



slopes and embankments



recreational areas



green areas



road verges



car parks



lorry parks



fire access road



INDEX

grids



Lawn p. 2 – 3



Plant p. 6 – 7



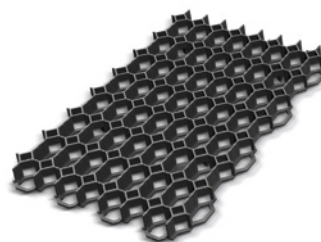
Hold Bend p. 10 – 11



Max p. 14 – 15



Universa p. 4 – 5



Smart p. 8 – 9



Road p. 12 – 13

accessories



Standard p. 16



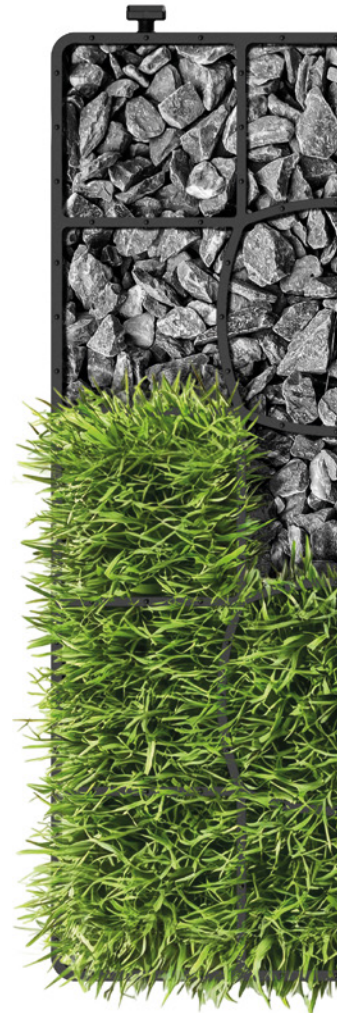
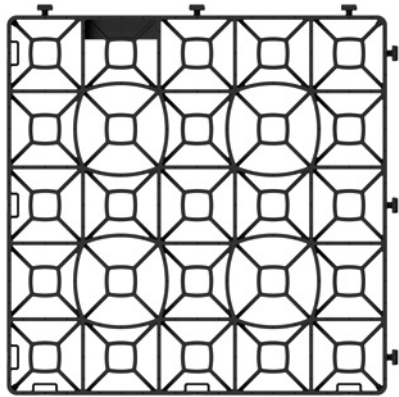
Pro p. 16



**Road & Smart
Marker** p. 17



**Max
Marker** p. 17



Lawn



DIL25



400 x 400 x 25 mm



~0,15 m²



~92 t/m²



PBC 88%

402 pcs



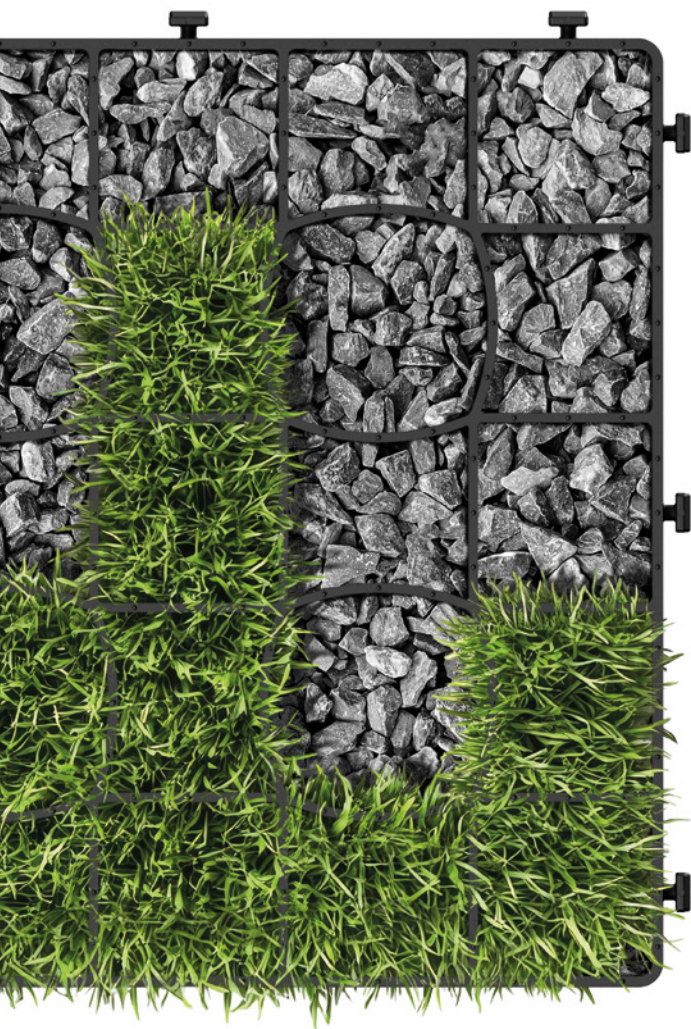
1200 x 800 mm

Technical Features:

- designed for the stabilisation of green surfaces
- recommended for light-duty applications
- low infill material consumption
- aesthetically pleasing surface finish
- durable construction resistant to weather conditions
- quick and easy installation
- high permeability supporting biological activity



The stated maximum permissible load applies solely where a suitably designed structural sub-base has been provided.



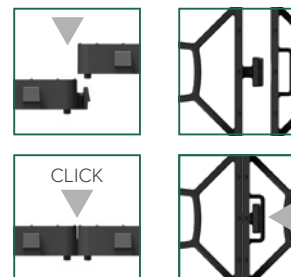
AI MODIFIED

accessories

p. 16 – 17

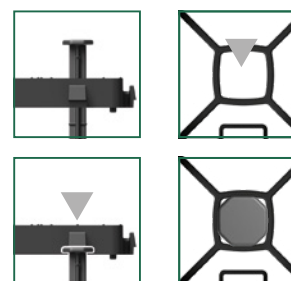


assembly instruction



anchor

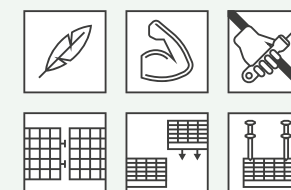
DIAK1

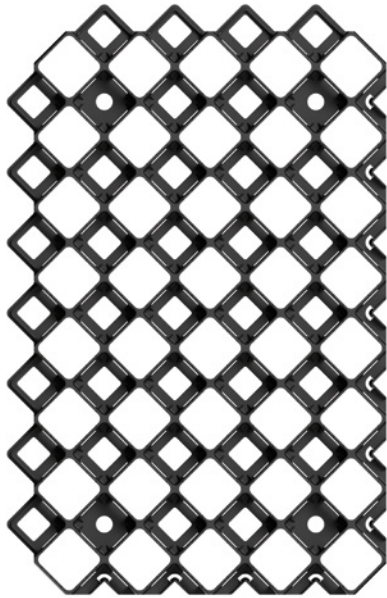


The Lawn grass grid is a functional solution for the stabilisation of green surfaces, primarily intended for light-duty applications. It performs well in private and residential settings. The grid can be used, among other things, for the construction of pedestrian paths and for reinforcing ground around the home. Thanks to its height of 2,5 cm, the grid requires only a small amount of infill material, which helps reduce project costs while maintaining both the aesthetic appearance and the stability of the surface.



strong & functional





Universa



DUU30



600 x 400 x 30 mm



~0,22 m²



~222 t/m²



PBC 90%

224 pcs



1200 x 800 mm

Technical Features:

- surface stabilisation and reinforcement system
- versatile application in functional and recreational spaces
- high structural strength
- aesthetic and functional surface finish
- quick and easy installation
- cost-effective investment solution
- resistant to weather conditions
- high biologically active permeability



The stated maximum permissible load applies solely where a suitably designed structural sub-base has been provided.

S411

G851



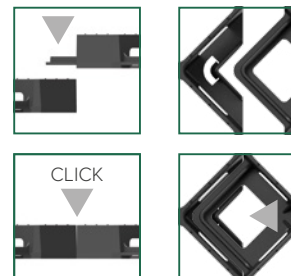
AI MODIFIED

accessories

p. 16 – 17

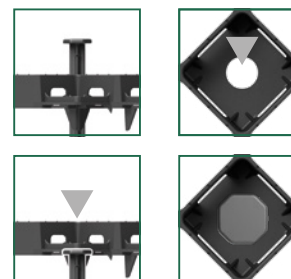


assembly instruction

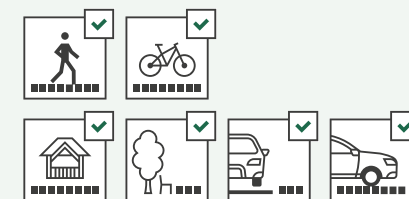


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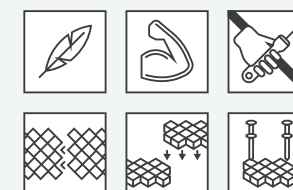
DIAK1

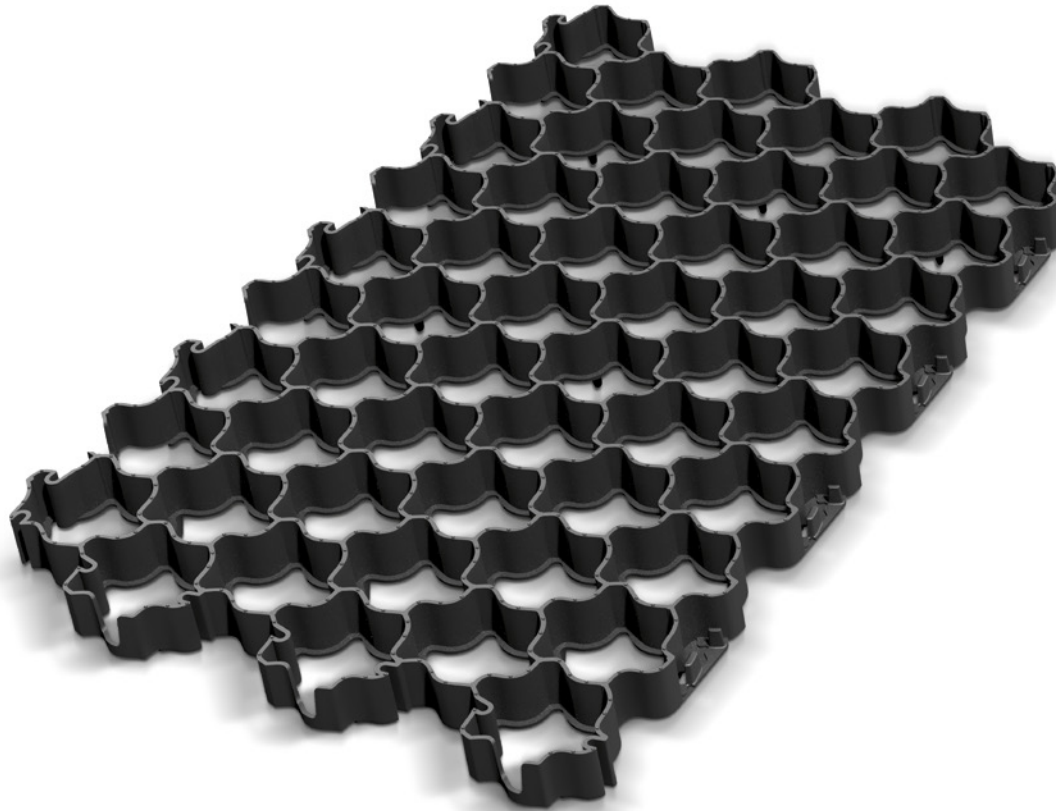
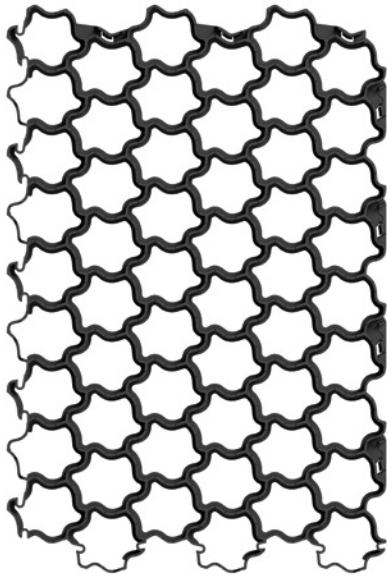


UNIVERSA grid is a versatile solution for areas stabilisation in functional and recreational spaces. Thanks to its well-engineered design, it combines high durability with aesthetic and functional performance, enabling the creation of long-lasting, permeable and environmentally friendly surfaces. The product helps preserve the natural character of the terrain while effectively reinforcing it and adapting it to a variety of uses.



strong & functional





Plant



DIP33



600 x 400 x 33 mm



~0,23 m²



~326 t/m²



PBC 91%

200 pcs



1200 x 800 mm

~1880 mm

Technical Features:

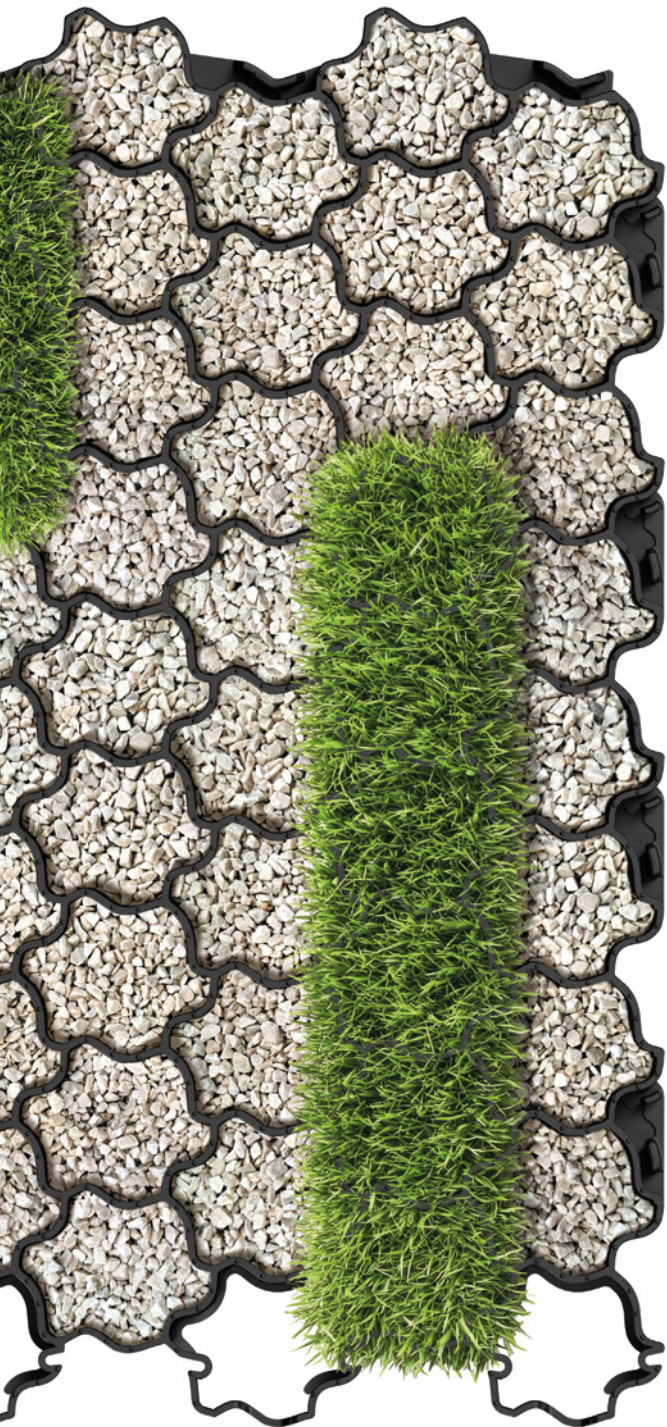
- surface stabilisation and reinforcement system
- structure allowing natural vegetation growth
- versatile use
- easy installation
- resistant to weather conditions
- environmentally friendly land development solution
- high permeability supporting biological activity

S411

G851



The stated maximum permissible load applies solely where a suitably designed structural sub-base has been provided.



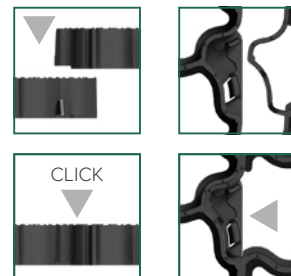
AI MODIFIED

accessories

p. 16 – 17

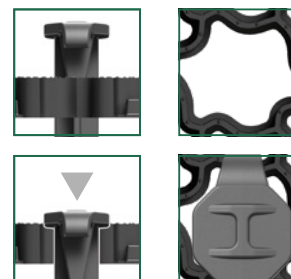


assembly instruction

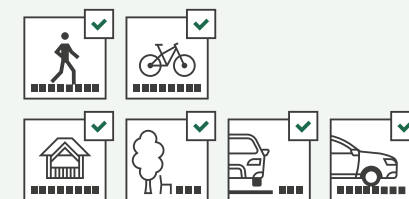


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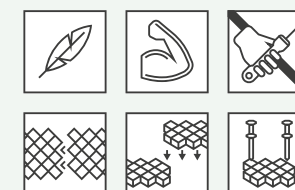
DIAK2

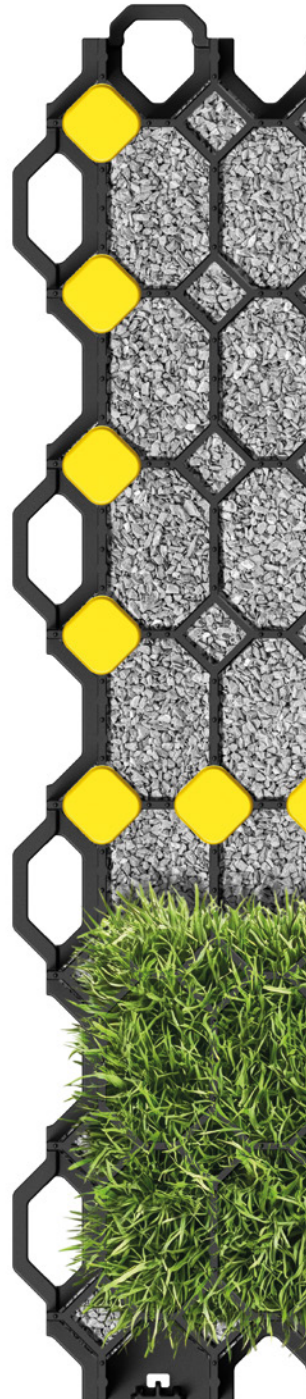
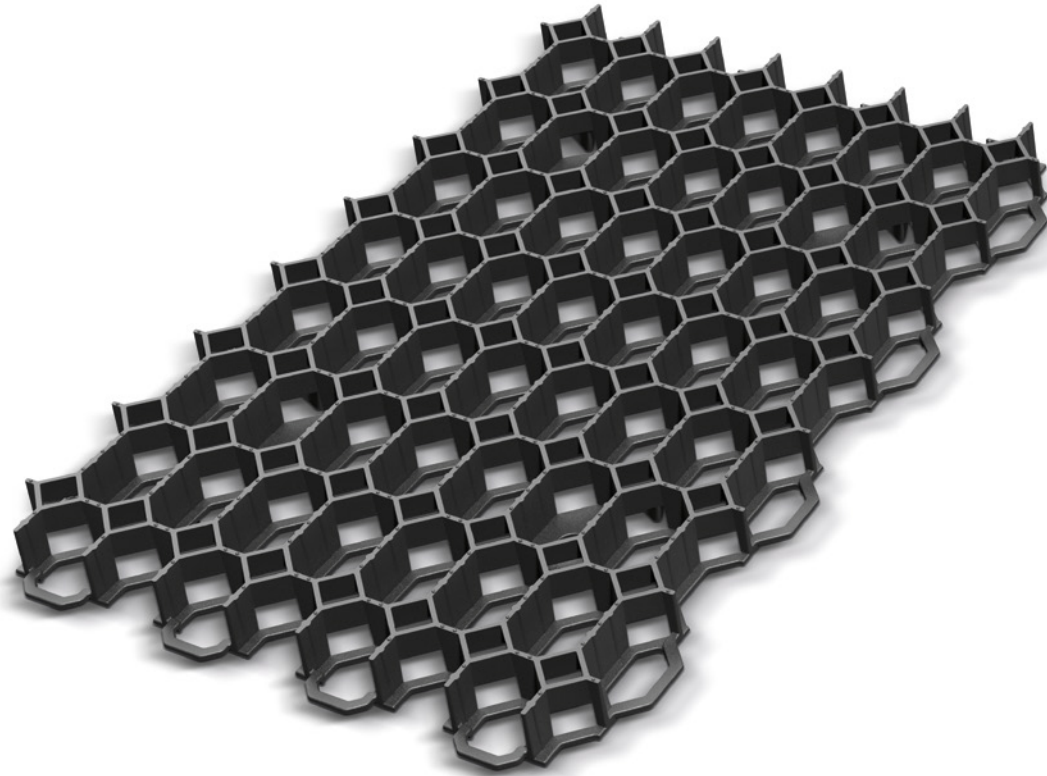
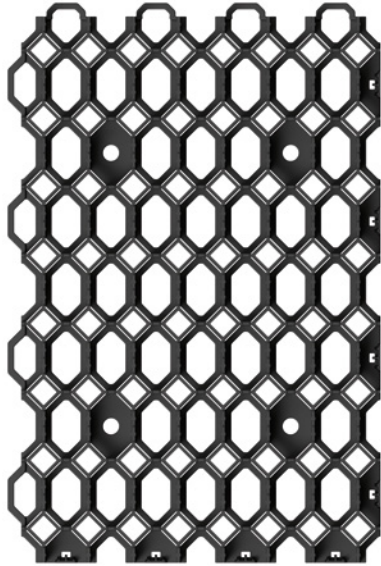


The PLANT grid is a versatile solution for surface reinforcement, balancing functionality, durability and a natural appearance. Its design allows for natural vegetation growth while maintaining high load-bearing capacity. Thanks to its versatility, the PLANT grid enables the creation of stable, aesthetically pleasing and water-permeable surfaces, suitable for a wide range of applications.



strong & functional





Smart



DIS37



600 x 400 x 37 mm



~0,24 m²



~178 t/m²



PBC 88%

184 pcs



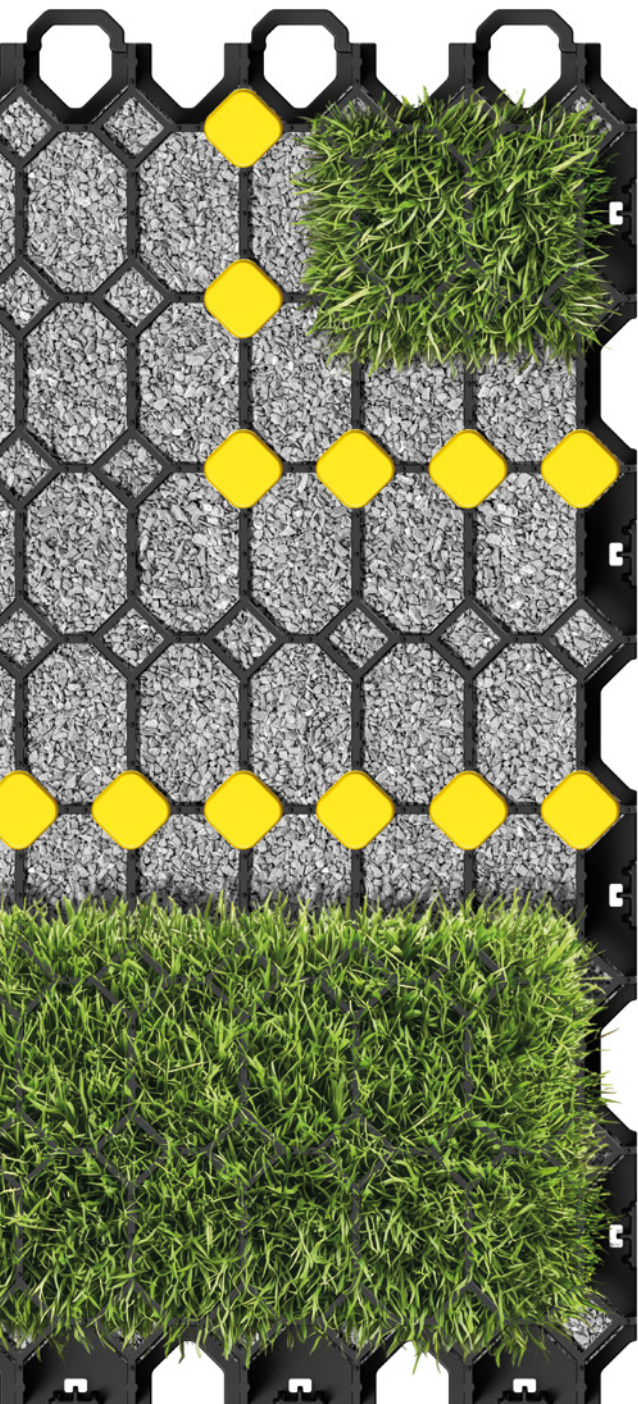
1200 x 800 mm

Technical Features:

- surface stabilisation and reinforcement system
- high load-bearing capacity and resistance to pressure
- durable construction designed for intensive use
- quick and easy installation
- resistant to weather conditions
- aesthetically pleasing and functional surface finish
- high permeability supporting biological activity



The stated maximum permissible load applies solely where a suitably designed structural sub-base has been provided.



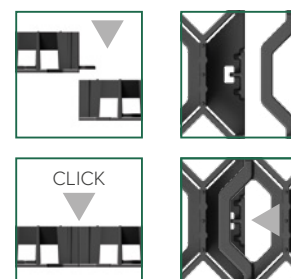
AI MODIFIED

accessories

p. 16 – 17

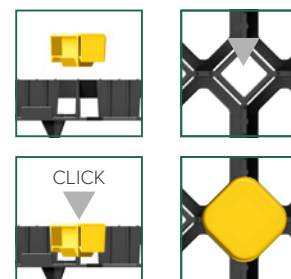


assembly instruction



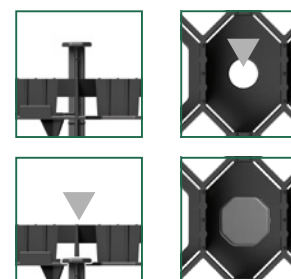
ground markers

DIAM1

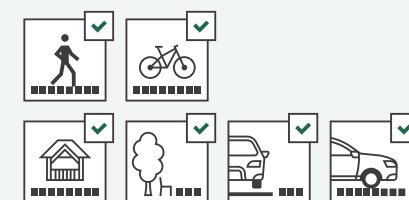


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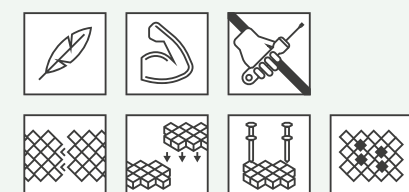
DIAM1

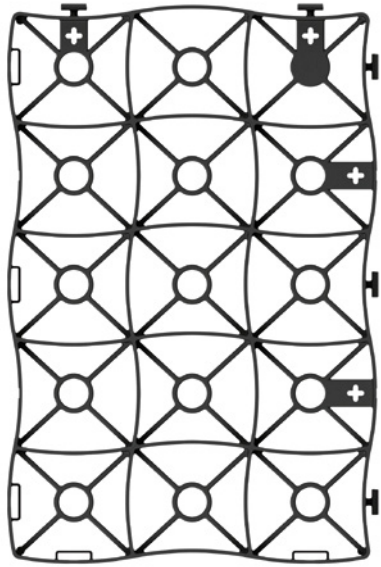


SMART grid is a durable surface stabilisation system designed for versatile use in public, industrial and private infrastructure. The 60 × 40 cm module combines high load-bearing capacity with easy installation and resistance to varying operating conditions. Thanks to its well-engineered design, the SMART grid allows the creation of durable, aesthetically pleasing and permeable surfaces suitable for a wide range of technical and traffic applications. Compatible with the Road & Smart Marker parking marker system.



strong & functional





Hold Bend



DIH40



600 x 400 x 40 mm



~0,22 m²



~173 t/m²



PBC 88%

172 pcs



~1880 mm

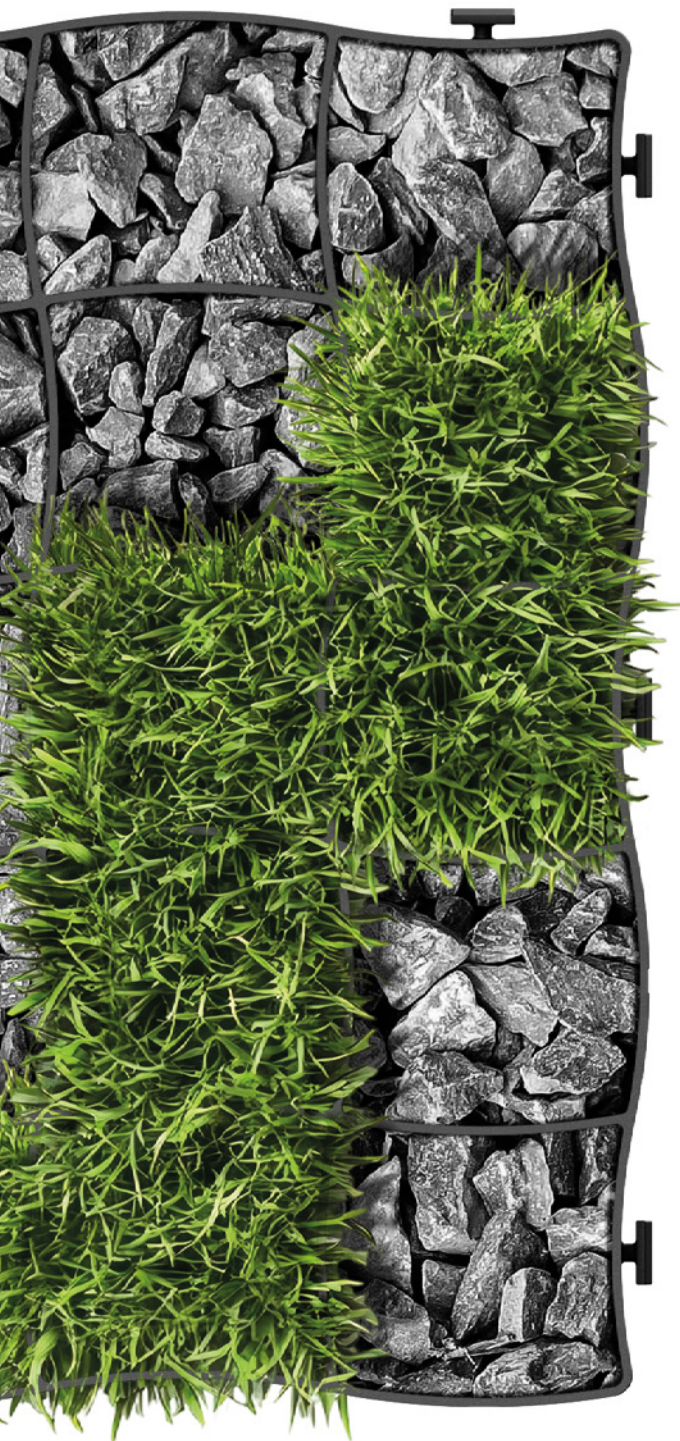
1200 x 800 mm

Technical Features:

- suitable for reinforcing riverbanks, shorelines and retention basins
- manufactured from recycled materials
- lightweight structure for easy transport and installation
- durable and resistant to weather conditions
- quick and simple installation without the need for specialist tools
- intended for light-duty applications
- recommended for areas with low usage intensity
- suitable for landscaping and urban green infrastructure projects



The stated maximum permissible load applies solely where a suitably designed structural sub-base has been provided.



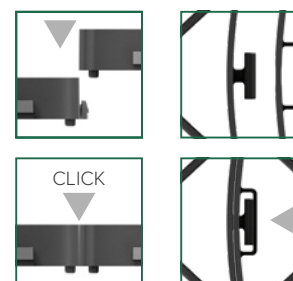
AI MODIFIED

accessories

p. 16 – 17

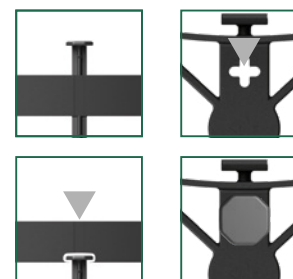


assembly instruction



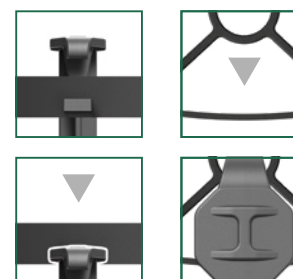
anchor

DIAK1



anchor

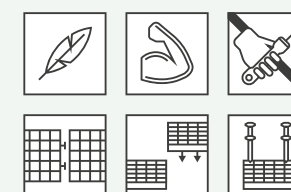
DIAK2

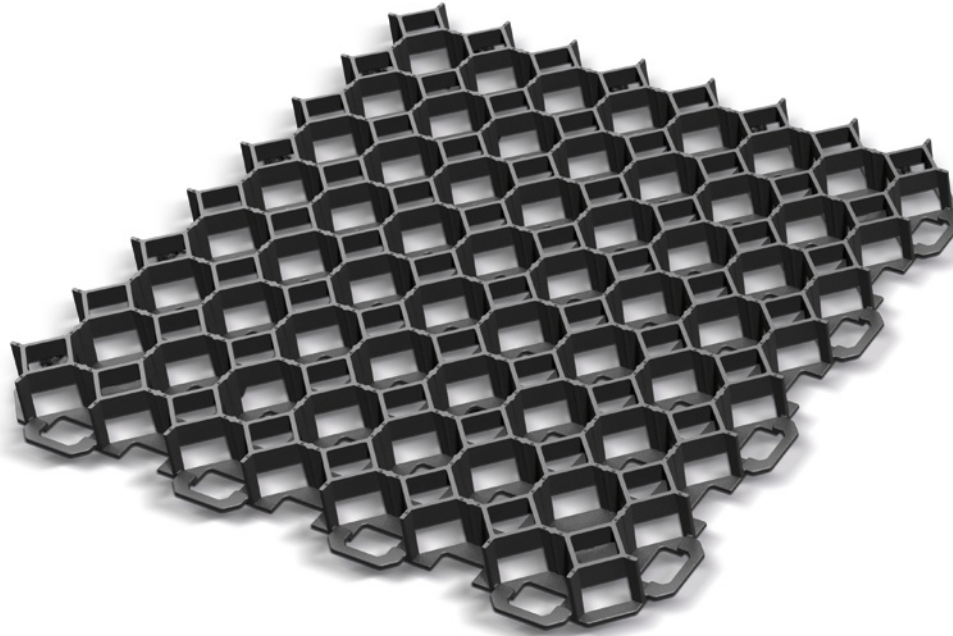
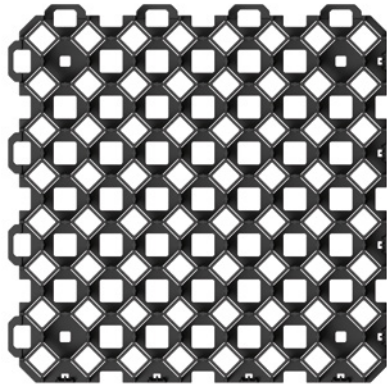


The Hold Bend grid is a practical solution for ground stabilisation on slopes and embankments, including railway embankments, as well as for securing riverbanks, shorelines and retention basins. Manufactured from recycled materials, it combines a lightweight structure with durability and ease of installation. The product is suitable for use in landscaping, road construction and urban green infrastructure projects. It is designed for light-duty applications and areas with limited traffic.



strong & functional





Road



DIR40



500 x 500 x 40 mm



~0,24 m²



~220 t/m²



PBC 90%

202 pcs



1000 x 1200 mm

Technical Features:

- surface stabilisation and reinforcement system
- designed for medium - and high -load applications
- high structural rigidity
- quick and easy installation
- resistant to intensive use and adverse weather conditions
- high permeability supporting biological activity

S411

G851



The stated maximum permissible load applies solely where a suitably designed structural sub-base has been provided.



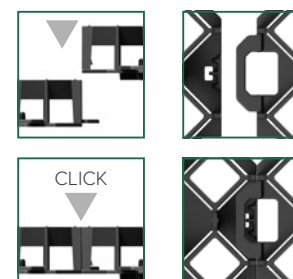
AI MODIFIED

accessories

p. 16 – 17

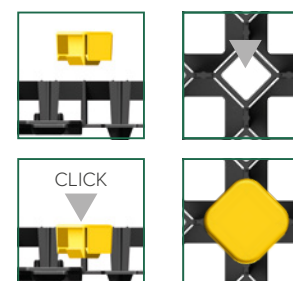


assembly instruction



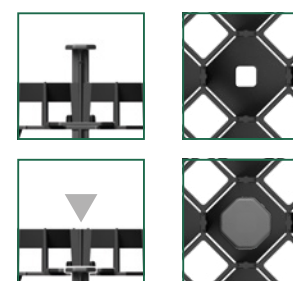
ground markers

DIAM1

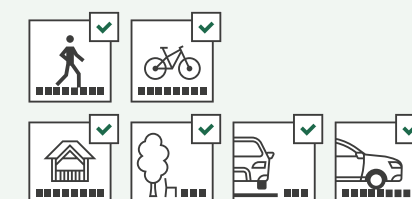


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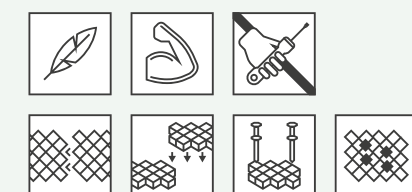
DIAK1

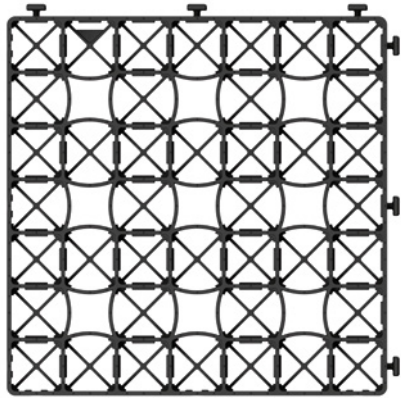


The ROAD grid is a professional solution for the reinforcement and stabilisation of surfaces subjected to medium and high loads. The 50 × 50 cm module enables fast installation and provides high structural rigidity, allowing the creation of durable, load-bearing and permeable surfaces. Thanks to its well-engineered design, the ROAD grid combines high load-bearing capacity and long service life with an aesthetically pleasing finish and a permeable surface character, making it suitable for a wide range of technical and transport applications. Compatible with the Road & Smart Marker parking marker system.



strong & functional





Max



DIM40



500 x 500 x 40 mm



~0,24 m²



~374 t/m²



PBC 87%

202 pcs



1000 x 1200 mm



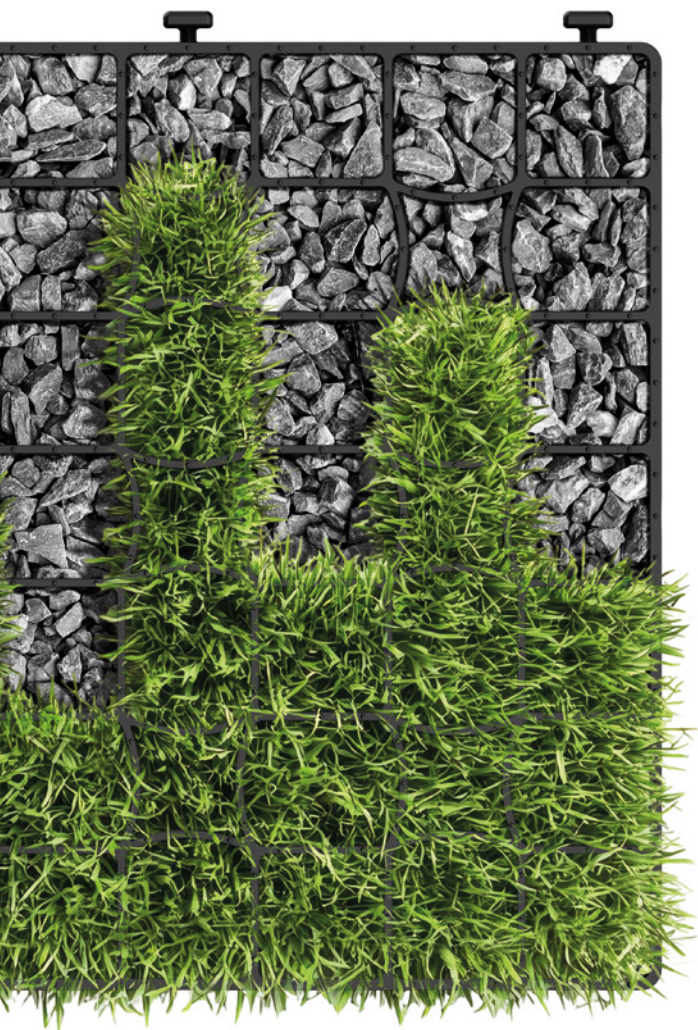
~1900 mm

Technical Features:

- professional surface stabilisation and reinforcement system
- designed for very high-load applications
- reinforced structure with high rigidity
- extremely high resistance to pressure
- modular design for fast installation
- resistant to heavy use
- durable and aesthetically pleasing surface finish
- heavy-duty solution for demanding applications



The stated maximum permissible load applies solely where a suitably designed structural sub-base has been provided.



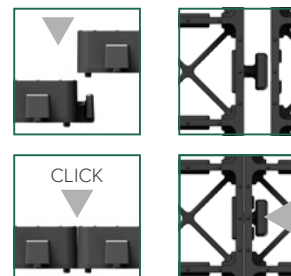
AI MODIFIED

accessories

p. 16 – 17

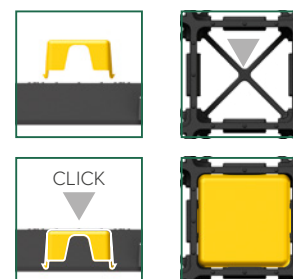


assembly instruction

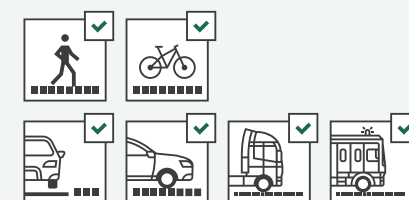


ground markers

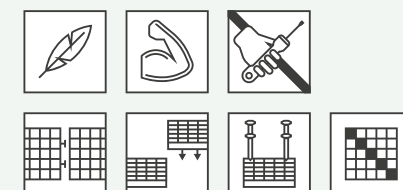
DIAM2



The MAX road grid is a solution designed for the most demanding applications. Its reinforced structure provides maximum stability, very high load-bearing capacity and long-term durability, even under heavy use. The modular design and high load-bearing capacity allow for the creation of reliable, safe and long-lasting load-bearing surfaces. It is a professional solution for projects where no compromises can be made in terms of strength and reliability, particularly in technical and transport applications. Compatible with the Max Marker parking marker system.



strong & functional





Standard



DIAK1



28 x 28 x 245 mm

S411

Compatible with:

Lawn

DIL25

Universa

DIU30

Smart

DIS37

Hold Bend

DIH40

Road

DIR40

Technical Features:

- resistant to weather conditions
- features a tapered tip for easier ground penetration



Pro

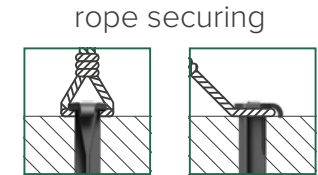


DIAK2



73 x 56 x 392 mm

S411



Compatible with:

Hold Bend

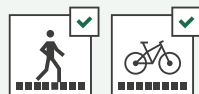
DIH40

Plant

DIP33

Technical Features:

- suitable for use in loose soils and on steep slopes
- effective for securing tents, garden pavilions and netting





Road & Smart Marker



DIAM1

 40 x 40 x 30 mm

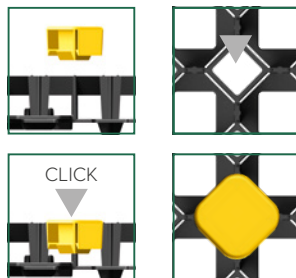
S449

R175

3020

3005U

assembly instruction



Compatible with:

Smart
DIS37

Road
DIR40

Technical Features:

- designed for creating markings and lettering on the grid
- features hooks ensuring secure fixing to the grid



Max Marker



DIAM2

 61 x 61 x 37 mm

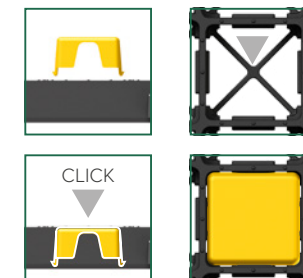
S449

R175

3020

3005U

assembly instruction



Compatible with:

Max
DIM40

Technical Features:

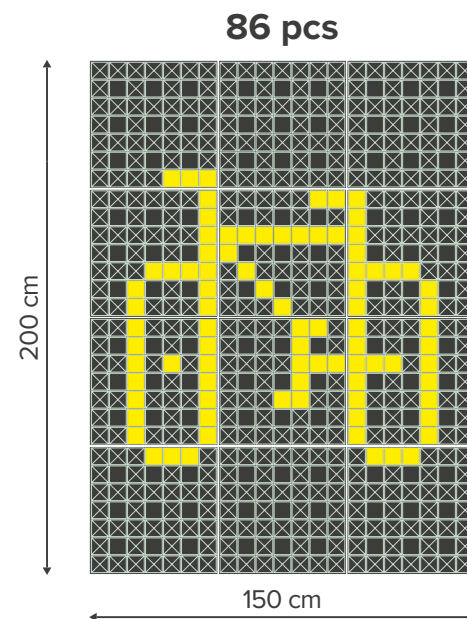
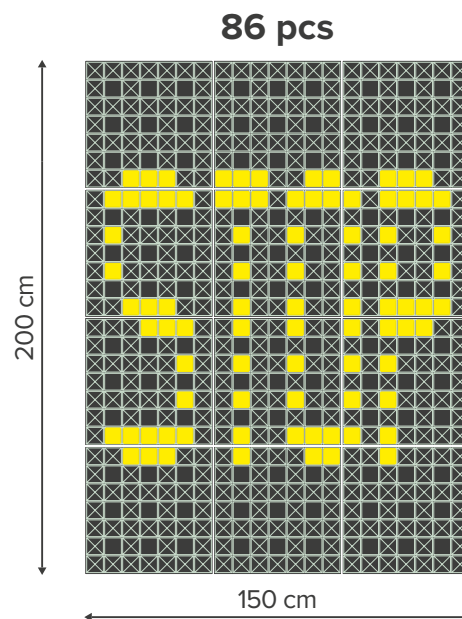
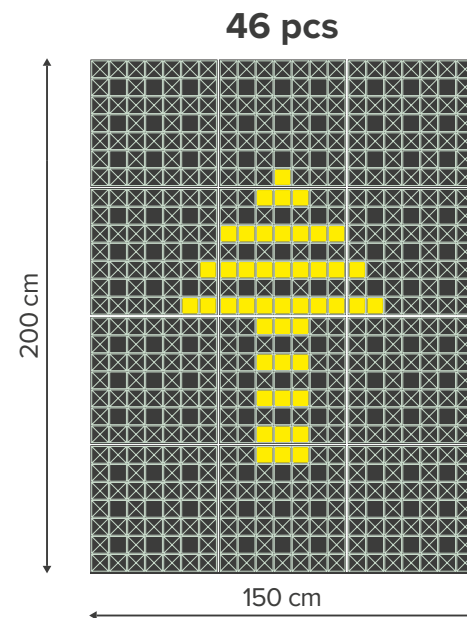
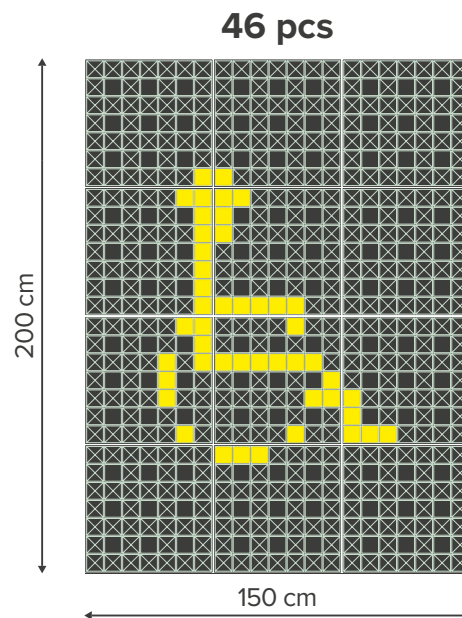
- designed for creating markings and lettering on the grid
- features hooks ensuring secure fixing to the grid
- once installed, it does not protrude above the top surface of the grid



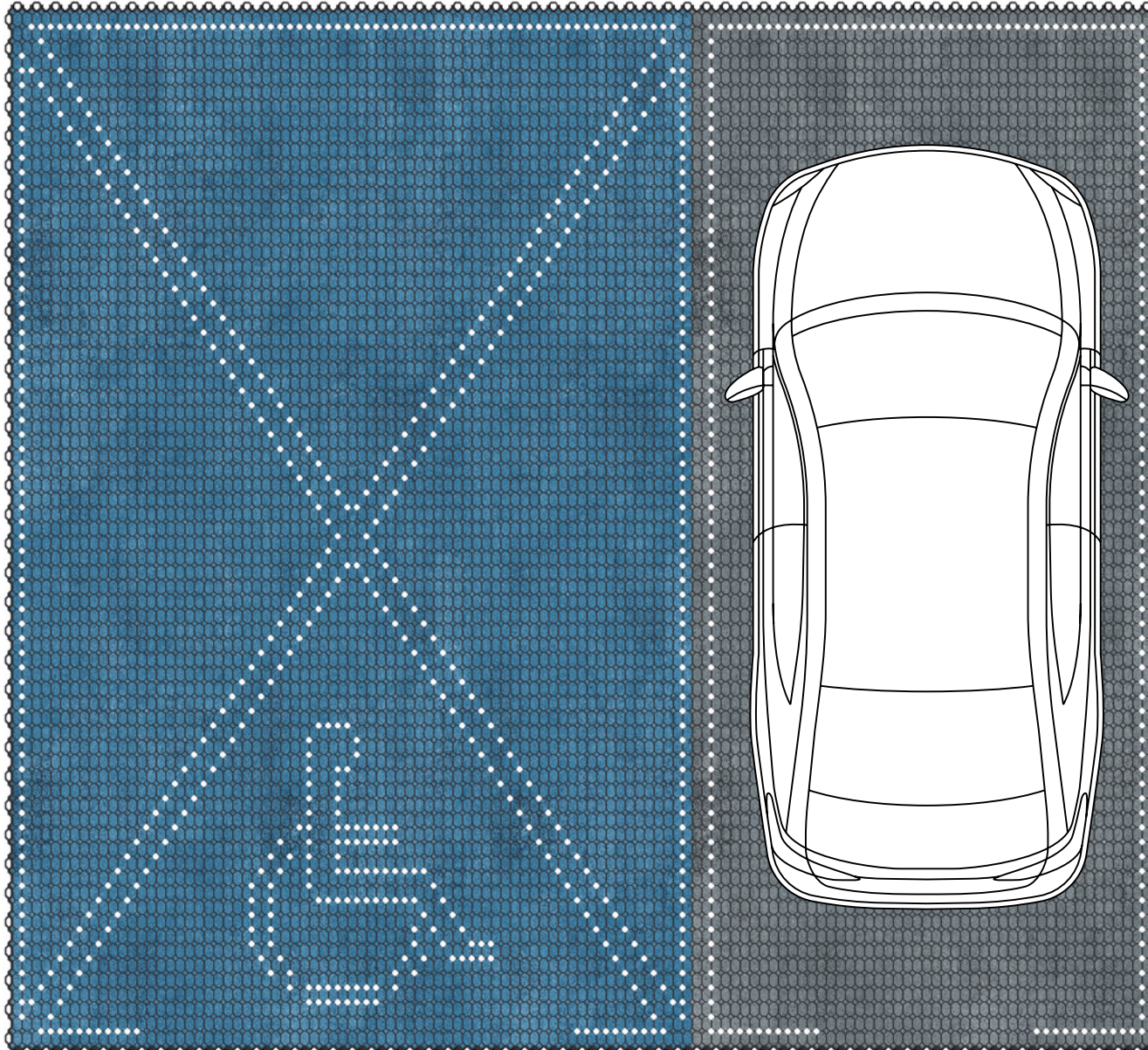
The markers are used to define the boundaries of parking spaces, accessible parking bays, pedestrian routes, cycle paths, access roads and fire access routes. They are equipped with hooks that secure them to the lower edges of the grid. Manufactured in colours contrasting with the grid, they ensure excellent visibility of the designated areas



Max
Marker
DIAM2



accessories



Road & Smart
Marker
DIAM1

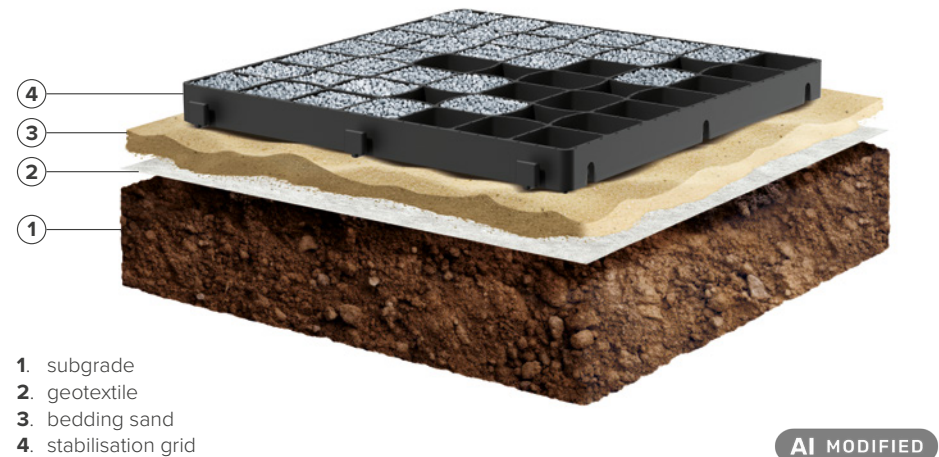
The sub-base acts as the load-bearing layer of the entire structure, ensuring the stability of the grids and the system's resistance to loads. When properly constructed, it prevents damage to the grids caused by vehicle wheel pressure and avoids the formation of depressions or ruts in the surface. The sub-base should be made from a permeable material, such as crushed stone. The thickness of the load-bearing layer should be adapted to the intended use of the surface, traffic intensity and specific local conditions. Any errors in the construction of the sub-base may lead to the destabilisation of the entire system.

- The use of geotextile prevents the mixing of sub-base layers.
- The grids should be filled with crushed aggregate (construction or decorative), which allows for proper compaction of the material.



Sub-base layout for residential use

- The minimum infill level should be 10 mm above the top edge of the grid
- The grids must be fully filled. Leaving cells empty may result in damage during use.
- If the infill level falls below the top edge of the grid, the aggregate should be topped up so that it fully covers the grid again.
- After filling, the grids may be re-compacted using a plate compactor fitted with a rubber pad to ensure even distribution of the material.
- The grid material changes in volume with temperature variations; therefore, an expansion gap of approximately 3% of the grid side length should be provided where it meets fixed surfaces.
- Expansion joints should be filled with sand or soil; stone fillings must not be used.



Sub-base layout for pedestrian use



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- The installation of the grids should be carried out at a minimum air temperature above +5°C. If the works are carried out under conditions of significant temperature fluctuations (above 10°C), the grids should be filled immediately after installation.
- On large areas, it is recommended to provide expansion joints at intervals of 15 m to reduce the risk of surface deformation caused by temperature variations.

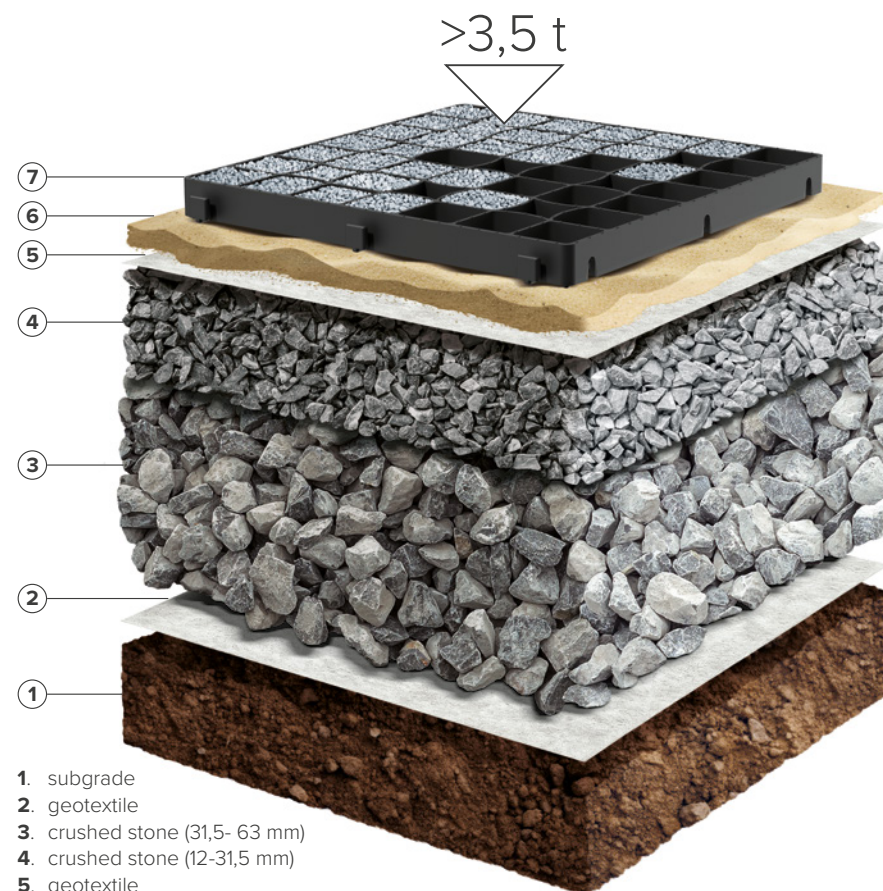


1. subgrade
2. geotextile
3. crushed stone (12-31,5 mm)
4. geotextile
5. bedding sand
6. stabilisation grid

AI MODIFIED

Sub-base layout for light traffic: residential parking areas / driveways

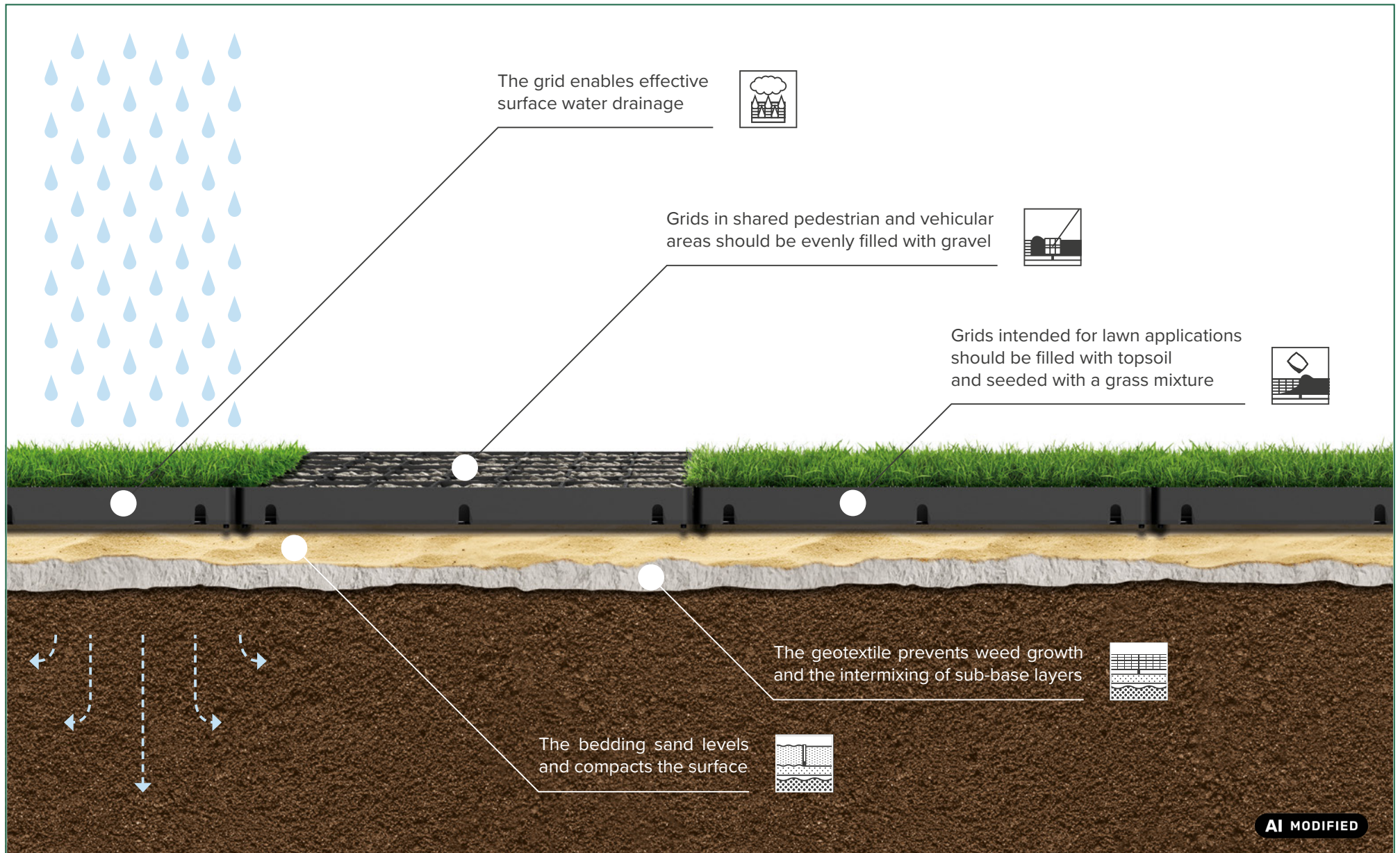
- When determining the final level of the sub-base, it should be taken into account that, after compaction, the grid surface level will decrease by approximately 0.5 cm.



1. subgrade
2. geotextile
3. crushed stone (31,5- 63 mm)
4. crushed stone (12-31,5 mm)
5. geotextile
6. bedding sand
7. stabilisation grid

AI MODIFIED

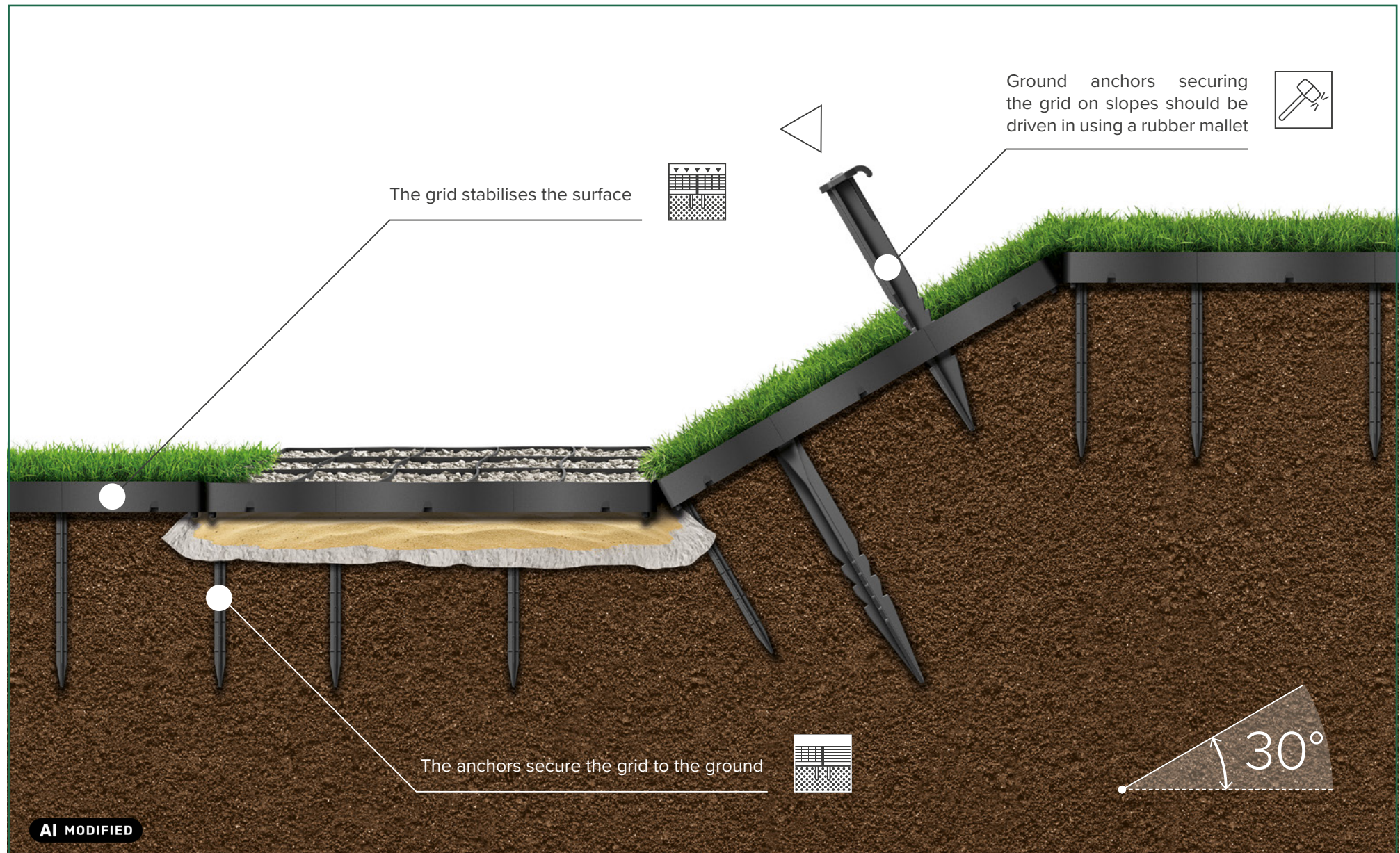
Sub-base layout for heavy traffic: vehicles over 3.5 tonnes



SLOPES AND EMBANKMENTS



IBDiM-KOT-2026/ 1160 wyd. 1





Road and Transport Infrastructure

Public access roads							●
Private access roads		●	●	●		●	●
Heavy goods vehicle parking areas							●
Car parks for vehicles with a load capacity of ≤ 45 kN		●	●	●		●	●
Garage driveway surfacing		●	●	●		●	●
Shared pedestrian and vehicular access routes		●	●	●		●	○

Pedestrian and Recreational Use

Cycle paths		●	○	●		●	○
Recreational areas	●	●	●	●		●	○
Golf courses		●	●	●		●	
Equestrian facilities		●	●	●		●	○
Orchards, garden shelters and domestic green spaces	●	●	●	●	●	○	
Playgrounds	●	●	●	●		●	○

Specialist Transport

Take-off and landing pads for aircraft with MTOM up to 300 kg (grass-seeded surfaces only, without aggregate infill)							●
Airfield grass surfaces with soil infill, for aircraft with tyre pressure not exceeding 1.0 MPa and a maximum ramp weight of 5,700 kg							●
Take-off and landing pads for aircraft with MTOM up to 495 kg (grass-seeded surfaces only, without aggregate infill)							●
Fire access roads							●

Hydraulic Engineering and Land Protection

Railway embankments and cuttings					●		
Stabilisation of slopes, embankments and inclined terrain					●		
Reinforcement and protection of watercourse banks					●		
Reinforcement of retention ponds					●		

Garden Architecture and Landscaping

Protection of root zones around street trees growing alongside footpaths	●	●	●	●	●	●	
Ornamental green roofs					●		
Ground reinforcement for mowing operations		●	●	●		●	
Stone stabilisation along fence lines	●	●	●	●		●	
Drainage around buildings	●	●	●	●	●	●	●

● Recommended use

○ Permitted use

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