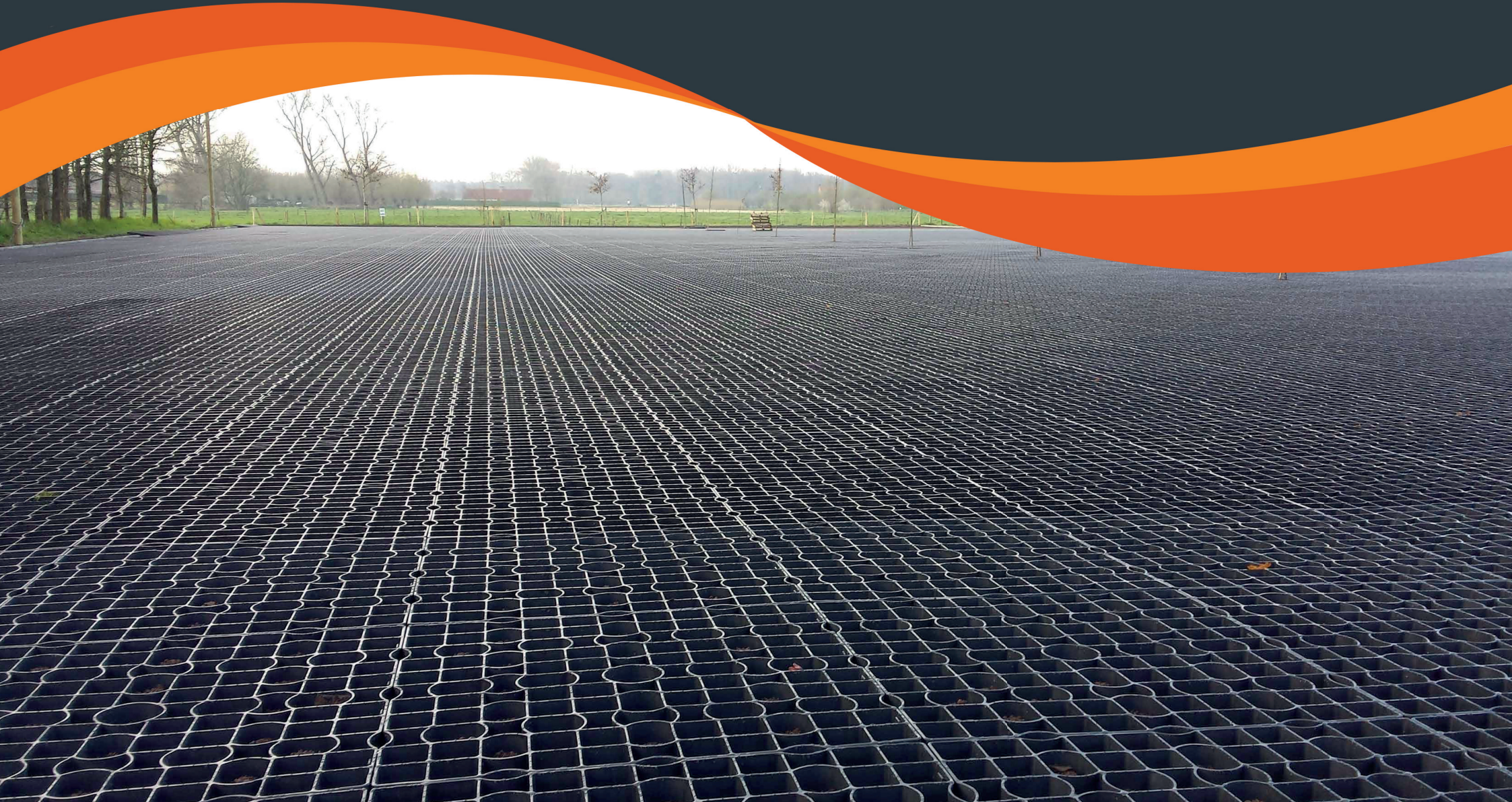




CORE GRASS - Specification & Installation



THE PRODUCT

CORE GRASS is the perfect long term solution for grass parking. Available in two depths, and two colours.

CORE GRASS 40 is designed for domestic green driveways and shared parking areas, whereas CORE GRASS 50 is most commonly specified for HGV access, yards and farming areas.

The grass grows back through the grid and allows the area to retain its natural aesthetics as well as becoming a hard standing surface that can withstand high traffic loads.



USE FOR

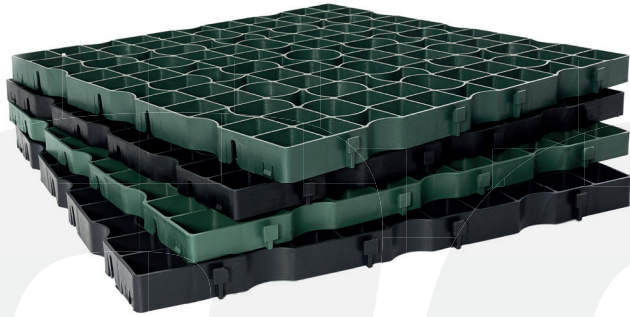
- ✓ Grass Domestic Driveways • Long Term Grass Parking Area • Green Car Parks • Grass Tracks

TECHNICAL DATA

Colour	Green	Black
Depth	40mm or 50mm	40mm or 50mm
Cell Wall Thickness	3.5mm	3.5mm
Sheet Size	(800 x 800mm) 0.64m ²	(800 x 800mm) 0.64m ²
Material	High Density Polyethylene	High Density Polyethylene
Fill Material	Soil	Soil
Weight Per Panel	3.15kg	3.9kg
Resistant Against	Ammonia / UV / Frost	Ammonia / UV / Frost
Pinning Required	No	No

BENEFITS

- ✓ Made from 100% recycled HDPE
- ✓ DDA Compliant (disabled access)
- ✓ Reinforces grass and prevents rutting
- ✓ Significantly reduces mud and mess
- ✓ SuDS Compliant (no planning permission required)



WHY CORE GRASS?

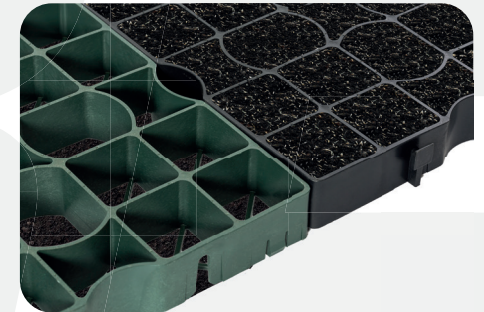
Using a grass reinforcement grid offers several notable benefits. Firstly, it provides structural support and stability to grassed areas, allowing them to withstand vehicle traffic without soil compaction or damage.

This preserves the aesthetic appeal of green spaces while enabling practical usage such as parking or access routes. Additionally, grass reinforcement grids promote permeability, allowing rainwater to infiltrate the soil and reducing stormwater runoff. They also contribute to erosion control by stabilizing the grass cover on slopes or areas prone to runoff.

Overall, grass reinforcement grids offer a sustainable solution that balances functionality, environmental impact, and visual appeal.



GRASS GROWTH

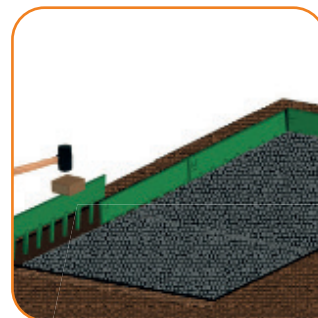




Excavate the area for your subbase to be installed. Ensure to allow for 10mm sand bedding layer, depth of grid and the 10-15mm dressing of aggregate when calculating depth from surrounding surfaces.



Install membrane and geogrid if required and then the subbase material. Ensure the subbase is well compacted using either a pedestrian roller or vibrating road plate.

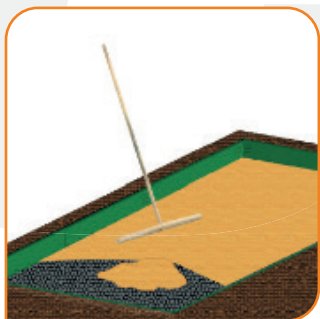


Install a suitable edging around all open sides. This can be tanalised wooden edging, block paviours, granite setts, concrete path edgings or our very own flexible metal edging - CORE EDGE.

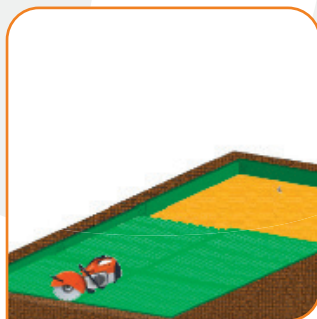


Tools Required:

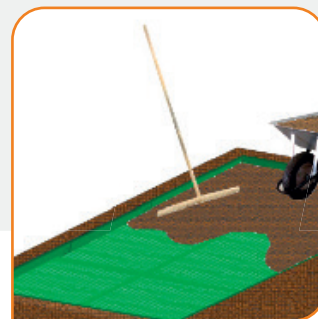
- Rake / Lute
- Disc Cutter (to cut to size)
- Wheelbarrow
- Shovel



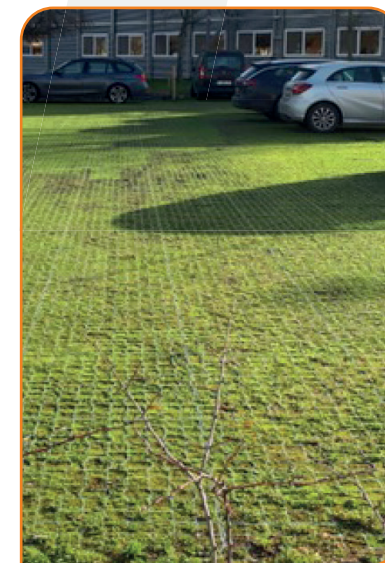
Cover the entire area with a 5-10mm bedding layer of sharp sand and compact. This layer will help to eliminate any minor undulations you may have in the subbase, it also helps to protect the underside of the grid from the subbase material.



Install the grid starting from one corner and working your way out with the membrane facing down. Cut to shape using a petrol disc cutter or grinder. Please ensure to wear necessary PPE for the equipment being used.



Fill the grids with soil and damp down with water to allow soil to settle into the cells. Seed the area and water thoroughly. To aid grass growth, cover the seed with a top layer of fertilizer and water regularly for a period of 4 to 6 weeks.



Applications

CORE GRASS reinforcement grids are commonly used to create parking spaces on grassy surfaces, particularly in areas where conventional asphalt or concrete parking areas are not desired or feasible. These grids distribute the weight of vehicles evenly, preventing soil compaction and minimizing damage to the grass.

Installation

The area where the grids will be installed needs to be prepared by clearing any vegetation, debris, or existing turf. The ground should be relatively level and free from any major irregularities. Once the grids are laid and secured, the grass seeding or turf installation can take place. Grass seed can be spread over the grids, followed by the application of a suitable topsoil layer. Alternatively, pre-grown turf rolls can be laid on top of the grids. Adequate watering and maintenance should be provided to ensure proper grass establishment and growth.

Storage & Handling

CORE GRASS is transported on well-made pallets that are tightly secured using a combination of strapping, banding, and shrink wrapping. Our meticulous packaging and securing methods guarantee that our products arrive in excellent condition, ready for immediate use or distribution. Once delivered from the pallet truck, you can cut the shrink wrap open and take the panels off the pallet one by one for installation.

PPE

We recommend the use of personal protective equipment (PPE) when installing CORE GRASS, including good strong safety boots/shoes to protect the feet, protective eyewear such as safety glasses, strong gloves to protect the hands, and ear plugs or defenders if using loud cutting equipment.

Health & Safety

To comply with Health and Safety Regulations 1981, all construction sites should have a first aid box with enough equipment to cope with the number of workers on site, an Appointed Person to take charge of first-aid arrangements, and a First-Aider who has undertaken training and holds an HSE approved qualification to administer first aid. The number of first-aiders will depend on the site, and information should be clearly displayed on site telling workers the name of the Appointed Person(s) or First Aider(s) and where to find them.

Fire Protection & Stability

High-density polyethylene (HDPE) is known for its excellent fire safety characteristics. It has a high resistance to ignition and does not easily catch fire. When exposed to flames, HDPE has a self-extinguishing property, meaning it will stop burning once the ignition source is removed.

Environmental Credentials

High-density polyethylene (HDPE) offers several eco-friendly benefits. First and foremost, HDPE is a recyclable material, meaning it can be reused and repurposed, reducing waste and conserving resources. Additionally, the production of HDPE requires less energy compared to other plastics, leading to a lower carbon footprint. HDPE is also non-toxic and safe for the environment, as it does not release harmful chemicals or leach into the soil or water. Its durability and resistance to weathering contribute to its long lifespan, reducing the need for frequent replacements and minimizing environmental impact. These eco-friendly attributes make HDPE a sustainable choice for various applications, promoting a greener and more environmentally responsible approach.

Using a grass reinforcement grid offers several important environmental benefits that contribute to sustainable land management. These grids stabilize the grass, reducing soil erosion caused by heavy traffic and preserving soil fertility. Their porous structure allows rainwater to infiltrate the ground, reducing surface runoff and waterlogging, promoting natural stormwater management and groundwater replenishment. By providing stable pathways, driveways, and parking areas without extensive concrete or asphalt surfaces, grass reinforcement grids preserve green spaces and create a more visually appealing environment. They support biodiversity by preserving grass areas and minimizing soil disturbance. With low energy consumption during manufacturing and often made from recyclable materials, grass reinforcement grids have a low carbon footprint and promote the circular economy. Their durability and low maintenance requirements extend their lifespan, conserving resources and reducing the need for replacements.

Further Information

Please do not hesitate to contact us to discuss your next project. For more information on the entire CORE product line please refer to the Knowledge Centre on our website. You can find all of your downloads, install videos and case studies at www.corelp.co.uk.

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