CORE Landscape Products®

CORE COMMERCIAL - Specification & Installation

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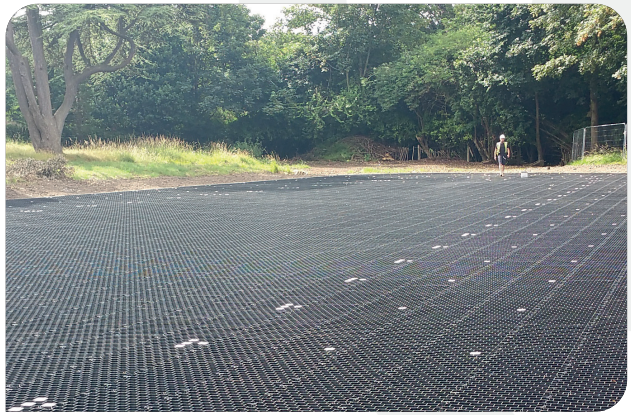
THE PRODUCT

CORE COMMERCIAL gravel stabilisation grids have been specifically developed to withstand heavy commercial traffic.

This is the ideal gravel stabilisation system for car parks, access roads and caravan parks. The perforated HDPE base means you can achieve maximum strength and stability without affecting the porosity of the surface.



USES

- ✓ Car Parks, Gravel Tracks, Overflow Parking, Access Tracks

TECHNICAL DATA

Material	High Density Polyethylene (HDPE)
Sheet Size	1200 x 800mm
Cell Wall Thickness	2.5mm
Average Coverage	24m2 per tonne
Depth of Cells	30mm (75mm width)
Membrane	N/A
Aggregate Size	Up to 20mm (Max Size)

BENEFITS

- ✓ 850 tonne per m2 load bearing when filled
- ✓ Unique 'Quick Lock' System on all 4 sides for Maximum Strength
- ✓ Install over 500m2 per day
- ✓ 30mm Low Profile Design for Maximum Gravel Coverage
- ✓ Manufactured from incredibly strong High Density Polyethylene

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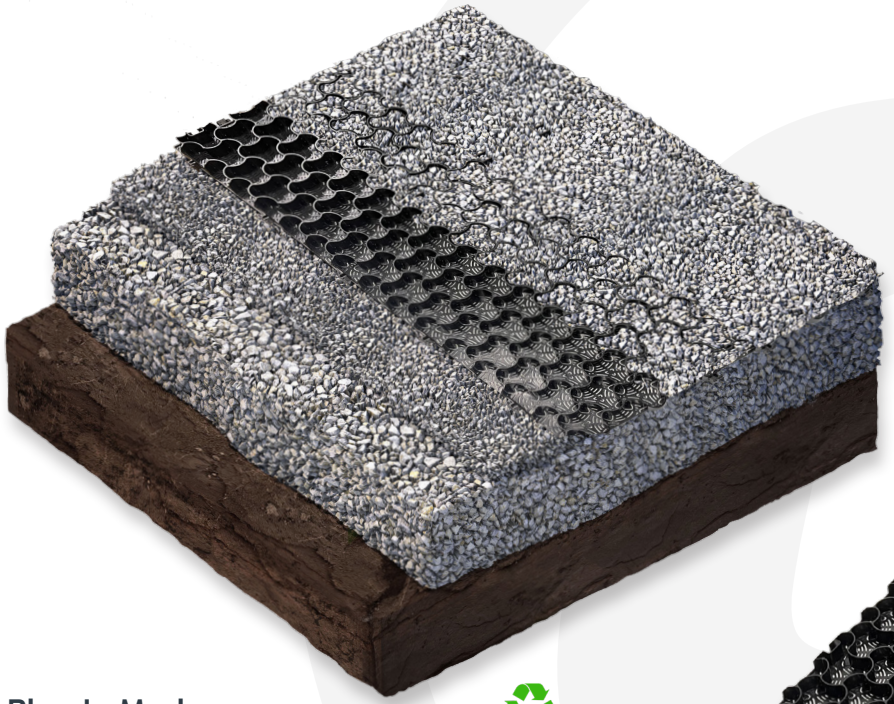

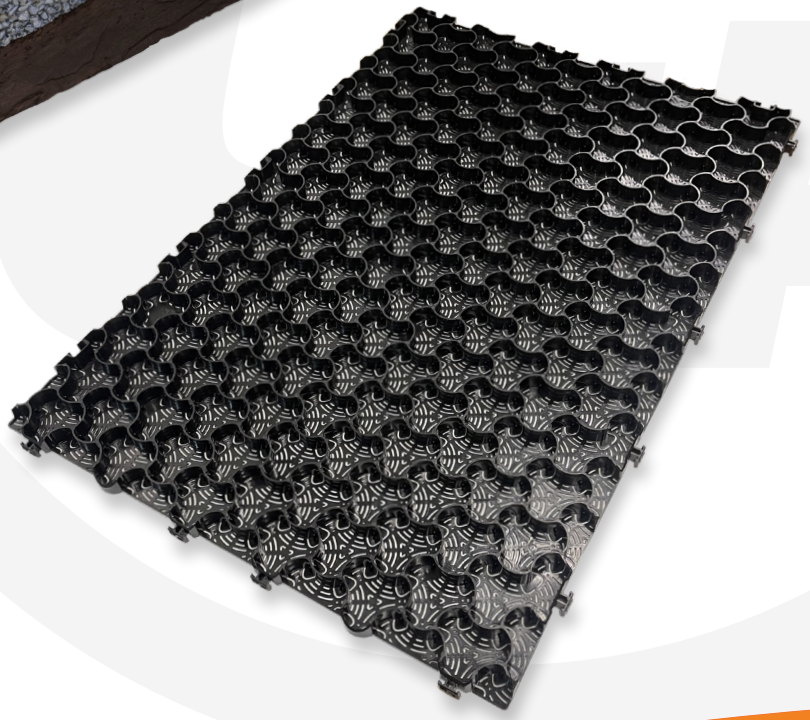

Plug In Markers For Delineation

Car Parks & Access Roads

CORE COMMERCIAL grid has been specifically designed as a porous paving solution for high trafficked areas such as car parks and access roads.

The reinforced HDPE cell walls are capable of taking all kinds of traffic and can support a 40 tonne vehicle.

CORE COMMERCIAL has been DIN14090 approved for fire service and emergency vehicle access routes.

Perforated Base

The perforated HDPE base provides maximum stability and weight distribution when using gravel as a bedding layer.

It also allows the water to flow freely through the surface course and naturally infiltrate back into the substrate.

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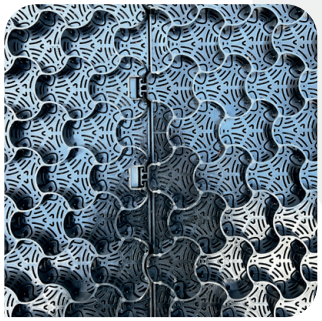
Excavate the area for your subbase to be installed. Refer to our subbase calculation guide for depth required. Ensure to allow for 10mm sand bedding layer, depth of grid and a 10-15mm dressing of aggregate when calculating depth from surrounding surfaces. Once finished, compact and smooth out the area.



Install your CORE COMMERCIAL sheets 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 the necessary PPE for the equipment being used.

Install membrane and geogrid if required and then install a suitable edging around all open sides. This could be tanalised wood edging, block paviours, granite setts or our very own edging variations (CORE PRO EDGE shown here). Ensure to set your edging height 15-20mm higher than the grid level to prevent the dressing layer spilling out onto surrounding areas.

Fill the grid with your chosen aggregate using either a wheel barrow or direct from a truck.

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.

Compact the gravel into the cells using a vibrating road plate. This makes sure that all the gravel is tightly packed into the cells provide ultimate structural integrity to the system.

Tools Required:

- Rake / Lute
- Vibrating Road Plate (compact subbase)
- Disc Cutter (to cut to shape)
- Wheelbarrow
- Shovel

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Applications
CORE COMMERCIAL is the perfect gravel grid for car parks, overflow parking, access tracks and general areas that have to tolerate heavy vehicle use. It is the strongest gravel grid on the entire market, incredibly durable and strong, and will last for many years after initial install.

Installation
We always recommend ensuring that the surface you lay your grid on is as smooth and level as possible so that the system sits well across the whole area. Compacting your subbase well and laying a 10-15mm layer of sharp sand under the grid system are essential to creating the perfect gravel area when using CORE COMMERCIAL.

Storage & Handling
CORE COMMERCIAL sheets are securely held onto their pallet using banding and then shrink-wrapped for added protection during transport and handling. Upon delivery, use a forklift or pump truck to carefully unload the pallets from the delivery vehicle, ensuring they are on a flat and level surface. Use appropriate tools to undo the shrink wrap and break the banding - you can remove the CORE COMMERCIAL sheets off of the pallet and carry them to the install area as they are very light.

PPE
We recommend the use of personal protective equipment (PPE) when installing CORE COMMERCIAL, 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.

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.

CORE Landscape Products®

build beautiful spaces

#BuildWithCORE

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