PREMIUM GROUND CONTROL SYSTEMS

Installation & Product Guide

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Forever perfect outdoor areas

At Beauxfort, our systems are engineered to provide a forever perfect finish — a promise backed by durable materials and unique designs that perform to exceed the high standards of professional tradesmen.

In these guidelines, you'll find step-by-step technical instructions and best practices to ensure that each installation achieves optimal results. Following these standards not only maximises the functionality and aesthetics of the finished surface but also reinforces your reputation for excellence on every project. Our goal is to support your craftsmanship with landscape systems that yield lasting performance and flawless results.

Request your free sample at
www.beauxfort.com

Discuss your project on:
0330 055 2599

Gravelrings
MAKING GROUND WORK

Creating forever perfect driveways

Gravelrings gravel retention system is a modular stabilisation grid, crafted from recycled materials. Designed to keep gravel securely in place, Gravelrings prevent movement and extend the lifespan of gravel installations. The unrivalled durability of the system stems from the unique circle cells, in design circles are the strongest shape because curves have no weak points that break.

Why Gravelrings?

- **Gravel doesn't move**
  surfaces stay forever perfect.
- **Exceptionally strong**
  suitable for driveways and car parks, load bearing capacity of 350 tonnes per sqm.
- **No puddles**
  Gravelrings are SuDS compliant, this allows water to filter into the ground below.
- **Fast to install**
  Come supplied in 1sqm square panels to speed up the installation.

Also available in white*

Technical data

Panel Size
Comes supplied to site in 1sqm, can be unclipped to 500mm x 500mm tiles if needed

Panel Depth
25mm

Cell Diameter
50mm

Gravel Size (recommended)
10mm - 20mm (angular quarried aggregate only, marine washed, rounded and mixed aggregates should not be used)

Gravel Demand
58 – 67kg per m2

Material
100% recycled*,
UV stabilised HDPE

Resistance
Chemical resistant

Colour
Black or White**

Load Bearing Capacity
In excess of
350 tonnes per m²***

Gradients
Gravelrings can be laid on slopes depending on the gradient - contact our sales team for advice

* White panels are made from part recycled materials
** Other colours available to order (subject to lead time and minimum order quantities)
*** When filled with 10 – 20mm angular gravel to a depth of 15mm above the top of the cells

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Gravelrings
MAKING GROUND WORK

New driveway installation guidelines

1. Excavate soil (sub-grade) to the required depth (allowing for sufficient depth of sub-base material and the tiles / surface finish). The depth of the sub-base will vary depending on the intended use, ground conditions and engineer's specification. As a guide, it should be a minimum of 75-100mm for pedestrians, 100-150mm for light vehicles and 200-300mm for trucks.
2. Lay DRAINTEX or DRIVETEX geotextile fabric as per instructions for relevant product.
3. Secure using EXTRAFIX fixing pegs.
4. Lay stone sub-base layer (e.g. MOT Type 1 or 3. Type 3 must be used if a more porous installation is required and a 4-20mm clean angular load bearing stone for SuDS compliant installations) to the required depth. Compact and level to the engineer's specification.
5. Fix Graveledge edging around the perimeter of the driveway to contain the gravel on the drive area. For areas adjoining a solid structure (e.g.a wall, fence or raised kerb stone) you won't require an edging. The fastest fixing method is to nail down using a concrete nail gun or alternatively, drill and pilot hole in the existing surface and hammer in our Gravelring Fixing Pin or screw down using a concrete screw and washer
6. Blind the surface with a 5-10mm layer of sharp sand or granite fines to level out any undulations in the sub-base before laying the panels.
7. Lay the Gravelrings tiles over the base with the mesh side down and clip together. Fix down using the Gravelrings Fixing Pins if required. Fixing pins should be used on slopes, edges, turning circles, cross-overs (including entrances and exits) and any areas more exposed to regular traffic, e.g. roadways. The number of pins required will depend on the application and site conditions but as a guide, allow 1 pin per square metre. Contact our sales team for specific fixing advice, particularly for areas of commercial use with heavier vehicles.
8. Leave a gap (min 50mm) when adjoining a kerb or any other type of fixed edging, obstruction or structure, to allow for expansion of the panels.
9. Spread the final gravel surface over the panels to a depth of approximately 10-15mm higher than the top edge of the rings, so that they are concealed.
10. Rinse the gravel with water (if required) and lightly compact the gravel to aid settlement and consolidation.
11. After installation, some ongoing regular maintenance may be required to ensure the tiles remain covered, particularly on areas subject to commercial or heavier use.

Gravelrings
MAKING GROUND WORK

Overlay concrete and tarmac driveways for a beautiful gravel finish

Gravelrings gravel grid can be laid to transform worn, tired concrete and tarmac driveways. Instead of excavating the soil and laying a subbase, the grids are laid on top of the existing surface. This installation method is a faster and more cost-effective way to achieve a beautiful, new gravel driveway with minimal fuss.

Why Gravelrings overlay?

- **No planning permission required**
  unlike relaying tarmac and concrete.
- **Cost effective**
  costs less than a normal gravel driveway installation and is less expensive than other surface materials.
- **Fast installation**
  the subbase is already laid which reduces the surface preparation time.

Also available in white*

Technical data

Panel Size
Comes supplied to site in 1sqm, can be unclipped to 500mm x 500mm tiles if needed

Panel Depth
25mm

Cell Diameter
50mm

Gravel Size (recommended)
10mm - 20mm (angular quarried aggregate only, marine washed, rounded and mixed aggregates should not be used)

Gravel Demand
58 – 67kg per m2

Material
100% recycled*,
UV stabilised HDPE

Resistance
Chemical resistant

Colour
Black or White**

Load Bearing Capacity
In excess of
350 tonnes per m²***

Gradients
Gravelrings can be laid on slopes depending on the gradient - contact our sales team for advice

* White panels are made from part recycled materials
** Other colours available to order (subject to lead time and minimum order quantities)
*** When filled with 10 – 20mm angular gravel to a depth of 15mm above the top of the cells

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Gravelrings
MAKING GROUND WORK

Creating dream driveways

1. Prepare the existing surface removing any loose surface. Check for any pot holes or ruts and fill with a stone sub-base material (e.g. MOT Type 1) Any minor undulations can be filled with sharp sand or granite fines. Compact and level flush with the existing surface.
2. Fix Graveledge edging around the perimeter of the driveway to contain the gravel on the drive area. For areas adjoining a solid structure (e.g. a wall, fence or raised kerb stone) you won't require an edging. The fastest fixing method is to nail down using a concrete nail gun or alternatively, drill and pilot hole in the existing surface and hammer in our Gravelring Fixing Pin or screw down using a concrete screw and washer.
3. Lay the Gravelrings tiles over the base with the mesh side down and clip together. Fix down using the same method as the edging. Particular attention should be paid to slopes, edges, turning circles, cross-overs (including entrances and exits) and any areas more exposed to regular traffic, e.g. roadways. The number of fixings required will depend on the application and site conditions but as a guide, allow 1 fixing per square metre. Contact our sales team for specific fixing advice, particularly for areas of commercial use with heavier vehicles.
4. Leave a gap (min 50mm) when adjoining a kerb or any other type of fixing edging, obstruction or structure, to allow for expansion of the panels.
5. Spread the final gravel surface over the panels to a depth of approximately 10-15mm higher than the top edge of the rings, so that they are concealed.
6. Rinse the gravel with water (if required) and lightly compact the gravel to aid settlement and consolidation
7. After installation, some ongoing maintenance may be required to ensure the tiles remain covered, particularly on areas subject to commercial or heavier use.

These instructions are provided as a guide only and do not offer any warranty (express or implied) since site conditions and requirements can vary.

Graveledge
MAKING GROUND WORK

Giving driveways the edge

Graveledge aluminium edging stops gravel migration by creating a barrier between the surface and neighbouring garden zones. Graveledge can be supplied in two different types of profiles to work effectively with straight and curved landscapes.

Why Graveledge?

- **Sustainable material**
  made from recycled and recyclable aluminium.
- **Resistant to rust**
  durable edging solution that stays forever perfect.
- **No concrete required**
  save time and money on installation.

Technical data

Edging Height
40mm

Edging Thickness (top bead)
6mm

Edging Length
2500mm

Edging Foot Width
45mm

Fixing Stake Length
250mm

Minimum Radius by Hand
1000mm

Minimum Radius in Factory
300mm

Available Finishes
Mill finish /
powder coat to order

Material Specification
6063A Aluminium

Recycled Content
Part recycled /
100% recyclable

Graveledge
MAKING GROUND WORK

Installation guidelines

1. Lay a thin dry-mix bedding layer (e.g. sharp sand and cement) beneath the Graveledge foot to approximately 5-10mm. This thickness can be varied to adjust levels as required. This also ensures continuous support under the foot of the edging. The edging should not require a wet concrete haunch unless in non-standard application.
2. Place the Graveledge onto the bedding layer and fix using the Graveledge fixing pins through the pre-punched holes in the foot of the edging. Ensure the pins are firmly secured in the ground and down to the foot of the edging. The number of pins required will depend on the application and site conditions but as a guide, allow 1 pin every 500mm. Additional staking is recommended when laying curves or where the area is subject to heavy traffic.

   Where you are overlaying an existing surface (e.g. tarmac or concrete) the fastest fixing method is to nail down using a concrete nail gun or alternatively, drill a pilot hole in the existing surface and hammer in our Graveledge fixing pin or screw down using a concrete screw and washer.
3. Use the strip connectors (provided) to link the lengths of Graveledge together. Slide halfway into the channel on the inside of the edging and connect to the next length of edging.
4. Install the Gravelrings and surface covering as per the guidelines provided.

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Grassrings
MAKING GROUND WORK

Green parking perfected

Grassrings grass parking system is a modular grass protection grid made from recycled material. Designed to increase parking capacity on green spaces for overflow car parks.

Why Grassrings?

Protects grass roots
expand parking to increase visitor capacity without sacrificing the guest experience.

No more mud baths
create attractive overflow car parks that don't trap vehicle tyres and pushchairs in mud, a practical solution to increase profitability for winter events.

No puddling
Grassrings are SuDS compliant, this allows water to filter into the ground below.

Fast to install
Come supplied in 1sqm square panels to speed up the installation.

Tiles easily cut to follow borders and edging

Technical data

Panel Size
Comes supplied to site in 1sqm, can be unclipped to 500mm x 500mm tiles if needed

Panel Depth
30mm

Cell Diameter
50mm

Pre-Seed Fertiliser
(recommended)
10% nitrogen,
15% phosphate
and 10% potassium

Root Zone (recommended)
70% sand & 30% recycled compost mix - pH6.5 – 7.2

Grass Seed
(recommended)
Greenvelvet® Watersaver by Barenbrug

Material
100% recycled,
UV stabilised HDPE

Resistance
Chemical resistant

Colour
Black*

Load Bearing Capacity
350 tonnes per m²**

* Other colours available to order (subject to lead time and minimum order quantities

** When filled with correct topsoil / growing medium

Grassrings
MAKING GROUND WORK

Installation guidelines

1. Excavate soil (sub-grade) to the required depth (allowing for sufficient depth of sub-base material plus 50mm). The depth of the sub-base will vary depending on the intended use, ground conditions and engineer's specification. As a guide, it should be a minimum of 75-100mm for pedestrians, 100-150mm for light vehicles and 200-300mm for trucks.
2. Lay DRAINTEX or DRIVETEX geotextile fabric as per instructions for relevant product.
3. Secure using EXTRAFIX fixing pegs.
4. Lay stone sub-base layer (clean angular load bearing stone without clay fines) to the required depth. Compact and level to the engineer's specification, 40-50mm below the final finish level.
5. Add and spread evenly a thin a layer (20-30mm) of sand (rounded root zone sand with an even sized particle distribution) and wash or roll into the sub-base until the stone is almost visible.
6. Evenly spread a layer of water storing polymer at a rate of 4kg per 100m² (using a mechanical rotary spreader).
7. Lay the Grassrings tiles over the base and clip together. Cut around obstructions, trees, kerbs etc. leaving a gap (min 50mm) to allow for expansion.
8. Evenly spread a grass starting fertiliser (see technical data below) at a rate of 7kg per 100m² (using a mechanical rotary spreader).
9. Half fill (approximately 15mm) the rings with a suitable root zone mix (see technical data below).
10. Spread grass seed (see technical data below) at a rate of 5kg per 100m² (using a mechanical rotary spreader).
11. Finish filling the rings with the root zone material using a large broom to ensure the top edge of the rings remains exposed.
12. Fertilise the seeded area again (see technical data below) at a rate of 7kg per 100m² (using a mechanical rotary spreader).
13. After installation the area must be kept moist. Consideration should be given to additional watering during extended periods of dry weather. The area must be protected from traffic for a minimum of 8 weeks or two cuts until the grass has fully established. Regular maintenance will be required including watering and fertilising in the spring/summer. The grass should be cut at approximately 50mm and certainly no less than 30mm.

These instructions are provided as a guide only and do not offer any warranty (express or implied) since site conditions and requirements can vary.

Groundcell
MAKING GROUND WORK

Protecting your roots

Groundcell is a cellular confinement system that is used for erosion control on slopes and for tree protection on horizontal surfaces. On landscapes that need tree root protection, the honeycomb structure creates a sub-base above the surface to spread the imposed load of vehicle and pedestrian traffic. Whereas, for erosion control, the strong structure reinforces and stabilises the soil, promoting vegetation growth.

Why Groundcell?

- **Build around areas with tree protection orders**
  Groundcell prevents damage to tree roots to create a perfect subbase for access roads and pathways.
- **Stop soil loss**
  prevent costly damage to roads, water supplies and the environment.
- **Durable**
  leaves a forever perfect finish.
- **Simple installation**
  fast and easy to lay, no specialist equipment needed.

Technical data

Raw Material
HDPE

Colour
Black

Cell Wall Type
Textured & Perforated

Cell Wall Thickness
1.20mm
(tolerance of +/-0.2mm)

Cell Height
100mm 150mm 200mm
(tolerance of +/-2%)

Cell Size
300mm
(tolerance of +/-2%)

Standard Panel Size
4 x 6m*
(tolerance of +/-2%)
Panel size may vary, please contact the sales team to confirm.

Standard Panel Area
24m²
(tolerance of +/-2%)

Seam Tensile Strength
1800 N

Durability & Oxidation Resistance
Predicted to be durable for a minimum of 25 years in natural soils with 4 < pH < 9 and temperatures < 250C. Product has been successfully tested for resistance to oxidation in accordance with PN-EN ISO 13438, PN-EN ISO 527-3.

Groundcell
MAKING GROUND WORK

Installation guidelines Tree Root Protection

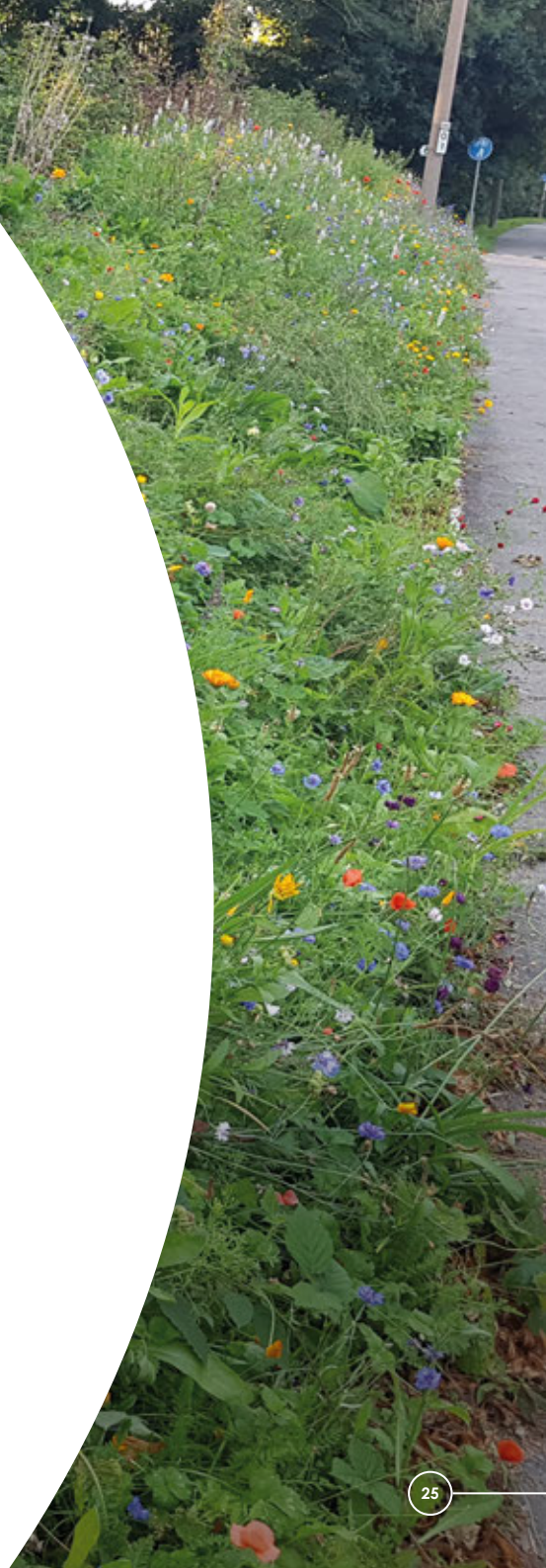
1. Prepare and level the surface by removing vegetation and debris and filling hollows in the surface with clean angular stone and/or sharp sand as required. Soil should not be removed or compacted as this could cause damage to the underlying tree roots.
2. Install a layer of Earthworx NW1000 Geotextile Fabric over the prepared surface and extend beyond the area to be covered by the Groundcell by approx 300mm. If joins are required in the geotextile, these should be overlapped as per the engineer's specification (minimum 300mm).
3. Lay a panel over the surface and secure one edge of the panel (in the middle) with a Groundcell J Fixing Pin. Pull the panel out to its full length and secure the other end with a Groundcell J Fixing Pin. Repeat the same procedure across the width of the panel, stretching it out to its full width and securing in each corner with a Groundcell J Fixing Pin
4. Fully secure the panel to the surface using approx. 1 pin per square metre* evenly spaced. Cells should be fully expanded (and tensioned) to the cell size stated on the technical data sheet.
5. Repeat steps 4 and 5 to lay any additional panels required to cover the area. Staple or cable tie each cell together where adjoining panels meet.
6. Fill the cells with clean angular sub-base material such as Type 4/20mm or Type 20/40mm or as per the engineer's specification (refer to BS7533-13:2009). The cells should be overfilled by a minimum of 25mm and lightly compacted – use of heavy rollers / compaction equipment should be avoided as there is potential to damage the underlying tree roots.

Installation guidelines Erosion Control & Embankment Stabilisation

Groundcell panels can also be used for stabilising soil on embankments to prevent erosion and promote growth of vegetation. The panels should be laid and pinned in the same way as outlined above (pins should be used at 1m centres = allow approx. 2 pins per square metre* & this should be increased to 1 pin per cell at perimeters) and then backfilled with topsoil to the specification required.

* The quantity of pins required is a guide only as site conditions, including gradient of slopes and ground conditions can vary. The exact number of pins should be determined by a qualified engineer based on the site conditions.

The information contained in these installation guidelines replaces any previous information and all specifications and technical data appearing here must be used as guidelines only. It is the responsibility of all users to satisfy themselves that the installation meets the engineers required specifications. These installation guidelines do not offer any warranty (express or implied) regarding the suitability of any product for your use as site conditions and requirements can vary. REG Group Ltd reserves the right to alter product specifications, installation guidelines and technical data without prior notice.



Beauxfort Approved Installer

Join our team of expert Approved Installers

Beauxfort's Approved Installer scheme is designed to provide landscaping and building contractors with project leads to install Beauxfort products. By providing quality products and specialist support a forever perfect finish can be achieved every time.

Join Us

Why join us?

- **Boost your job pipeline**
  receive leads direct from us for new Gravelrings projects to expand your customer base.
- **Free marketing materials**
  we provide all our installers with signboards to use on their projects.
- **Extended product warranty**
  all installers have an extended warranty to protect their projects against manufacturing defects.

There is no cost associated with becoming an Approved Installer!

However, we carefully vet our applicants so homeowners can feel confident their landscaping needs will be handled by a qualified professional.

To register your interest or sign up to become a Beauxfort Approved Installer please visit **www.beauxfort.com**.

Discuss your project on:
0330 055 2599

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Discuss your project
with our friendly team:

0330 055 2599

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www.beauxfort.com