



Permeable ground
reinforcement

Product Overview



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ABOUT US

EcoGrid Limited are the sole suppliers of the entire ECORASTER range of products to the United Kingdom and Irish market. We provide a quality of products and services second to none on pre, during and post sales. Our technical team is on hand to ensure a swift and hassle-free installation. The EcoGrid products are fully tested, approved and guaranteed to be the best available from the market since 1994 with a complete stock offering.



EcoGrid (known across Europe as Ecoraster) has enjoyed the status of world leader in completely recycled plastic reinforced surfacing system.

DIN 38412	Neutral for the environment
DIN 4102	Approval emergency access routes
DIN 1072	Approval for 20 tonne axle load, driveways, road extensions, bridges
DIN IN ISO 124 and B125	Approval for car park, access roads & storage areas
DIN 1072:1985	UV-resistant
DIN EN 60068-2-5	Certified for heavy-duty
DIN EN 124:2011	Tried and tested for environmentally safe
Point axle loading up to 20 T/m	
Tested OECD202:2004 part 'M' compliant	
Factory warranty: 20 years from purchase date	
NATO certified E50 - MOD / 9330-99-858-1406 TUV Certification	

EcoGrid E30

Our light loading grid for pedestrian usage and a variety of applications.



Technical Specifications

Dimensions	330 x 330 x 30mm
Wall thickness	4.4mm
Carrying load	Up to 250 t/sqm filled
Weight (sqm)	5.04kg
Weight (pce)	0.56kg
Wall height	30mm
Material	100% recycled polyethylene
Pressure resistance	Up to 10t axle load (DIN 1072)
Dimensional stability	Temp range -50° to +80°
Deformation	0.5% (at normal temp as above)
Moisture absorption	0.01%
Solubility	Resistant to acids, alkalis, alcohols and petrol (de-icing salt etc)

Delivery Units

Packaging unit	1 layer (1.33 sqm)
Layers per pallet	71
Sqm per pallet	94.43
Pieces per pallet	852
Pallet dimensions	105 x 135 x 229cm
Weight per pallet	484kg (inc. pallet)

Ideal to reinforce the likes of the following:

- Shed bases
- Golf walkways
- Country pathways
- Grass reinforcement
- Border control
- Green roofs
- Flagstone support
- Tree root protection
- Temporary surfacing
- Concrete block base support

Colour Options



All EcoGrid products arrive on-site pre-locked in layers of 12 grids or 1.33 square metres, fitting is very swift and uncomplicated. All grids feature a unique patented locking system to ensure that they remain locked together even under the most demanding conditions.

Our universal grid, an all-rounder for a multitude of low to medium load bearing applications.



Technical Specifications

Dimensions	330 x 330 x 40mm
Wall thickness	3.6mm
Carrying load	Up to 800 t/sqm gravel infilled
Weight (sqm)	5.22kg
Weight (pce)	0.58kg
Wall height	40mm
Material	100% recycled polyethylene
Pressure resistance	Up to 20t axle load (DIN 1072)
Dimensional stability	Temp range -50° to +80°
Deformation	0.5% (at normal temp as above)
Moisture absorption	0.01%
Solubility	Resistant to acids, alkalis, alcohols and petrol (de-icing salt etc)

Delivery Units

Packaging unit	1 layer (1.33 sqm)
Layers per pallet	43
Sqm per pallet	74.66 / 69.33
Pieces per pallet	660
Pallet dimensions	105 x 135 x 235cm
Weight per pallet	470kg (inc. pallet)

Ideal to reinforce the likes of the following:

- Landscape construction
- Gravel parking systems
- Grassed parking systems
- Garden office bases
- Pedestrian walkways
- Construction sites
- Tree root protection
- Animal compounds
- Shed base
- Walkways
- Golf courses
- Horse arenas

Colour Options



Can be jointed together for ground reinforcement



All EcoGrid products arrive on-site pre-locked in layers of 12 grids or 1.33 square metres, fitting is very swift and uncomplicated. All grids feature a unique patented locking system to ensure that they remain locked together even under the most demanding conditions.

EcoGrid E40 XXL

Same functionality as the EcoGrid E40 and it is recommended for resin installs with less joins.



Technical Specifications

Dimensions	1m x 1.33m x 4cm
Wall thickness	3mm
Carrying load	Up to 800 t/sqm gravel infilled
Weight (sqm)	4.8kg
Weight (pce)	6.35kg
Wall height	4cm
Material	100% recycled polyethylene
Pressure resistance	Up to 20t axle load (DIN 1072)
Dimensional stability	Temp range -50° to +90°
Deformation	0.5% (at normal temp as above)
Moisture absorption	0.01%
Solubility	Resistant to acids, alkalis, alcohols and petrol (de-icing salt etc)

Delivery Units

Packaging unit	1 layer (1.33 sqm)
Layers per pallet	55
Sqm per pallet	74.66 / 69.33
Pieces per pallet	55
Pallet dimensions	100.5 x 135 x 240cm
Weight per pallet	365kg (inc. pallet)

Ideal to reinforce the likes of the following:

- Parking spaces
- Horse and courtyard driveways
- Campsites

Colour Options



Can be joined together for ground reinforcement



All EcoGrid products arrive on-site pre-locked in layers of 12 grids or 1.33 square metres, fitting is very swift and uncomplicated. All grids feature a unique patented locking system to ensure that they remain locked together even under the most demanding conditions.

EcoGrid E50

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Our highest loading grid, high lateral loading characteristics for a variety of applications where strength and rigidity is paramount.



Technical Specifications

Dimensions	330 x 330 x 50mm
Wall thickness	5mm
Carrying load	1000+ t/sqm filled
Weight (sqm)	9.55kg
Weight (pce)	1.06kg
Wall height	50mm
Material	100% recycled polyethylene
Pressure resistance	Up to 40t axle load (DIN 1072)
Dimensional stability	Temp range -50° to +80°
Deformation	0.5% (at normal temp as above)
Moisture absorption	0.01%
Solubility	Resistant to acids, alkalis, alcohols and petrol (de-icing salt etc)

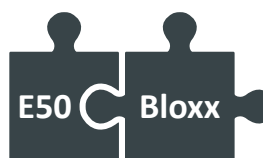
Delivery Units

Packaging unit	1 layer (1.33 sqm)
Layers per pallet	43
Sqm per pallet	57.19 / 54.66
Pieces per pallet	516
Pallet dimensions	105 x 135 x 229cm
Weight per pallet	560kg (inc. pallet)

Ideal to reinforce the likes of the following:

- Tree root protection
- Military applications
- Grassed fill parking
- Gravel fill parking
- Resin stone base
- Exterior warehousing
- Emergency access roads
- Horticulture
- Landscaping
- Lorry parks
- Light aircraft
- SuDS approved

Colour Options



Can be joined together for ground reinforcement



All EcoGrid products arrive on-site pre-locked in layers of 12 grids or 1.33 square metres, fitting is very swift and uncomplicated. All grids feature a unique patented locking system to ensure that they remain locked together even under the most demanding conditions.

EcoGrid S50

Our flexible grid, lightweight and strong from applications where elasticity is paramount.



Technical Specifications

Dimensions	330 x 330 x 50mm
Wall thickness	2.5mm
Carrying load	Up to 500 t/sqm filled
Weight (sqm)	6.84kg
Weight (pce)	0.76kg
Wall height	50mm
Material	100% recycled polyethylene
Pressure resistance	Up to 20t axle load (DIN 1072)
Dimensional stability	Temp range -50° to +80°
Deformation	0.5% (at normal temp as above)
Moisture absorption	0.01%
Solubility	Resistant to acids, alkalis, alcohols and petrol (de-icing salt etc)

Delivery Units

Packaging unit	1 layer (1.33 sqm)
Layers per pallet	43
Sqm per pallet	57.19 / 54.66
Pieces per pallet	516
Pallet dimensions	105 x 135 x 229cm
Weight per pallet	398kg (inc. pallet)

Ideal to reinforce the likes of the following:

- Horse arenas
- Light aircraft
- Swales and ditches
- Emergency access roads
- Landscape construction

Colour Options



All EcoGrid products arrive on-site pre-locked in layers of 12 grids or 1.33 square metres, fitting is very swift and uncomplicated. All grids feature a unique patented locking system to ensure that they remain locked together even under the most demanding conditions.

The sturdy reservoir grid for equestrian applications and when there is a need for added rigidity.



Technical Specifications

Dimensions	330 x 330 x 40mm
Wall thickness	5mm
Carrying load	Up to 600 t/sqm filled
Weight (sqm)	7.5kg
Weight (pce)	0.83kg
Wall height	40mm
Material	100% recycled polyethylene
Pressure resistance	Up to 10t axle load (DIN 1072)
Dimensional stability	Temp range -50° to +80°
Deformation	0.5% (at normal temp as above)
Moisture absorption	0.01%
Solubility	Resistant to acids, alkalis, alcohols and petrol (de-icing salt etc)

Delivery Units

Packaging unit	1 layer (1.33 sqm)
Layers per pallet	43
Sqm per pallet	73.15
Pieces per pallet	660
Pallet dimensions	105 x 135 x 235cm
Weight per pallet	470kg (inc. pallet)

Ideal to reinforce the likes of the following:

- Animal compounds
- Commercial sites
- Equestrian arenas
- Resin stone based
- Shed bases



All EcoGrid products arrive on-site pre-locked in layers of 12 grids or 1.33 square metres, fitting is very swift and uncomplicated. All grids feature a unique patented locking system to ensure that they remain locked together even under the most demanding conditions.

EcoGrid Bloxx

The fully permeable housing for our concrete inserts. A unique combination system that is fully adaptable with EcoGrid standard grids.



Technical Specifications

Dimensions	330 x 330 x 50mm
Wall thickness	18mm (twin wall)
Carrying load	Up to 800 t/sqm
Weight (sqm)	85kg (with inserts)
Weight (pce)	9.44kg
Wall height	50mm
Material	100% recycled polyethylene
Pressure resistance	Up to 10t axle load (DIN 1072)
Dimensional stability	Temp range -50° to +80°
Deformation	0.5% (at normal temp as above)
Moisture absorption	0.01%
Solubility	Resistant to acids, alkalis, alcohols and petrol (de-icing salt etc)

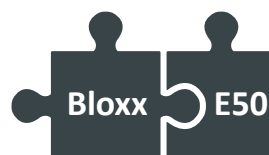
Delivery Units

Packaging unit	1 layer inserts / 1 layer housing
Layers per pallet	N/A
Sqm per pallet	24
Pieces per pallet	216
Pallet dimensions	105 x 135 x 235cm
Weight per pallet	2040kg (inc. pallet)

Ideal to reinforce the likes of the following:

- Courtyards
- Disabled access
- Parking systems
- Events
- Patios
- Driveways
- Walkways
- Public areas

Colour Options

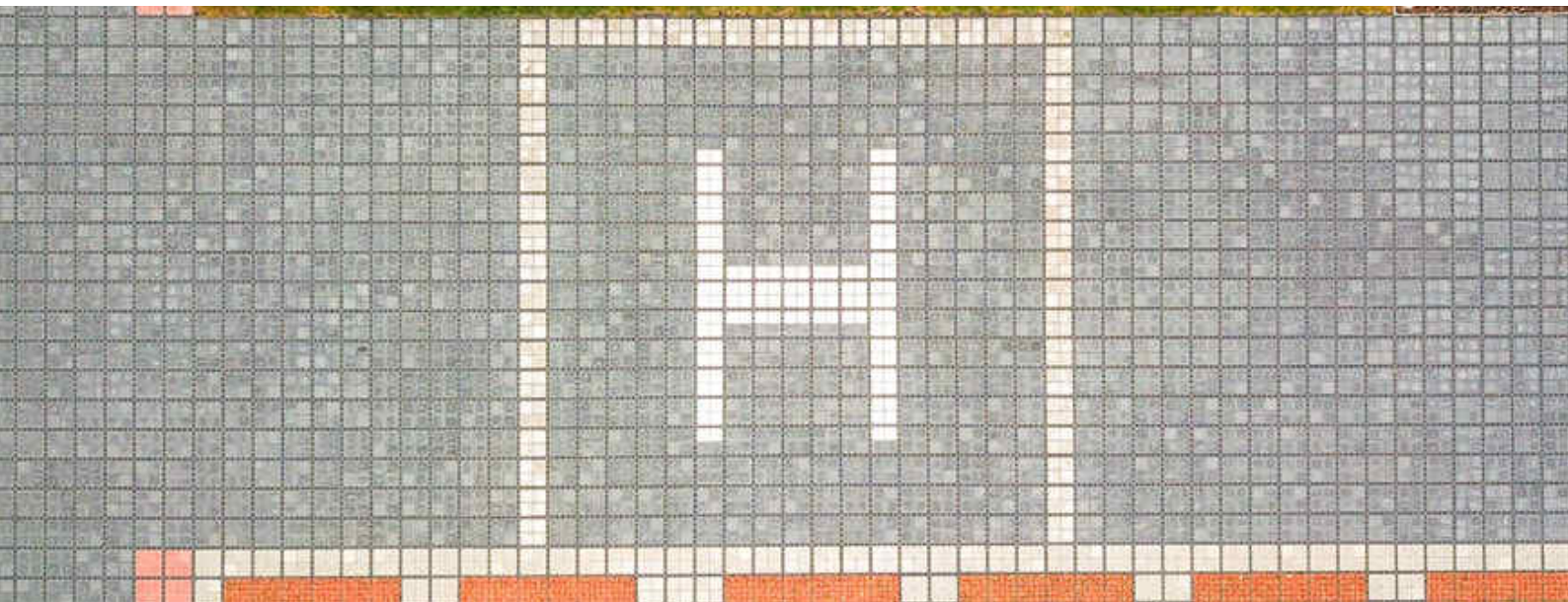


Can be jointed together for ground reinforcement



All EcoGrid products arrive on-site pre-locked in layers of 12 grids or 1.33 square metres, fitting is very swift and uncomplicated. All grids feature a unique patented locking system to ensure that they remain locked together even under the most demanding conditions.

Bloxx provides recessed plastic paving grid and permeable block paving in one package. A long lasting, aesthetic solution to manage surface water run-off in the likes of car parks, driveways, lawns, decorative pathways, and more.



Bloxx Granite



Granite inserts are manufactured from natural stone providing a solid hard standing surface with an aesthetically pleasing finish.

Dimensions	140 x 140 x 46cm
Weights (in a square metre)	Approximately 88kg

Bloxx Rubber



EcoGrid Bloxx with rubber inserts are manufactured from compressed rubber granules firmly bound together with a permeable resin system, providing a 'standalone', permeable, solid hard standing surface.

Dimensions	140 x 140 x 46cm
Weights (in a square metre)	Approximately 63kg

Bloxx Concrete



EcoGrid Bloxx with granite inserts, designed to be used in conjunction with grass or gravel filled grids, creates an aesthetic pleasing finish.

Dimensions	140 x 140 x 46cm
Weights (in a square metre)	Approximately 88kg

EcoGrid Resin Bound Stone

A decorative aggregates that produce an extremely strong and aesthetically pleasing stone surface which is fully permeable and SUDs compliant.

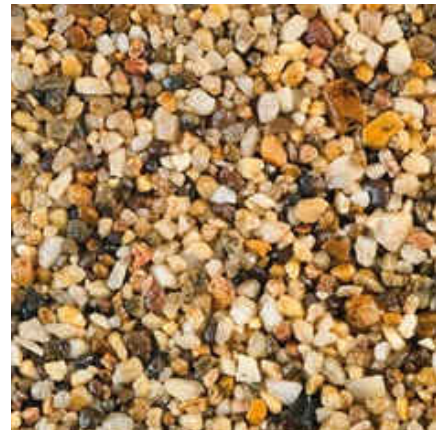


EcoGrid Resin Bound Stone

We supply complete kits to facilitate the installation of resin bound stone surfacing on an EcoGrid base. The kits comprise of: Membrane, EcoGrid, resin, aggregate and our EcoGrid flexible edge system.



Harvest Crunch



Maple Harvest



Hazelnut Latte



Midnight Blend



Silver Moon

EcoGrid Bodenmat

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A ground mat to form a great non-slip surface without any spadework. Available for hire or purchase.



Technical Specifications

Dimensions	1200 x 800mm
Thickness	22mm
Loadability	200t/m ² (DIN EN ISO 179)
Fire class	B1, low-flammable
Weight (each mat)	20kg
Material	100% recycled material
Interconnection	Slot and key system
Laying	Loosely laid, on solid ground

Delivery Units

Sqm per pallet	48
Pieces per pallet	50



Ideal to reinforce the likes of the following:

- Stall and Box
- Paddock
- Veterinary clinics
- Solar and heat spaces
- Turnouts
- Events
- Shop flooring

EcoGrid Ecosedum Tray

An all-in-one system containing plants from the sedum family, perfect for bringing greenery to all conventional roof types.



Suitable for the following places:

- Flat roof
- Lean-to roofs
- Garages
- Carports
- Roof terraces
- Garden offices
- Portable buildings
- Non-accessible areas

Technical Specifications

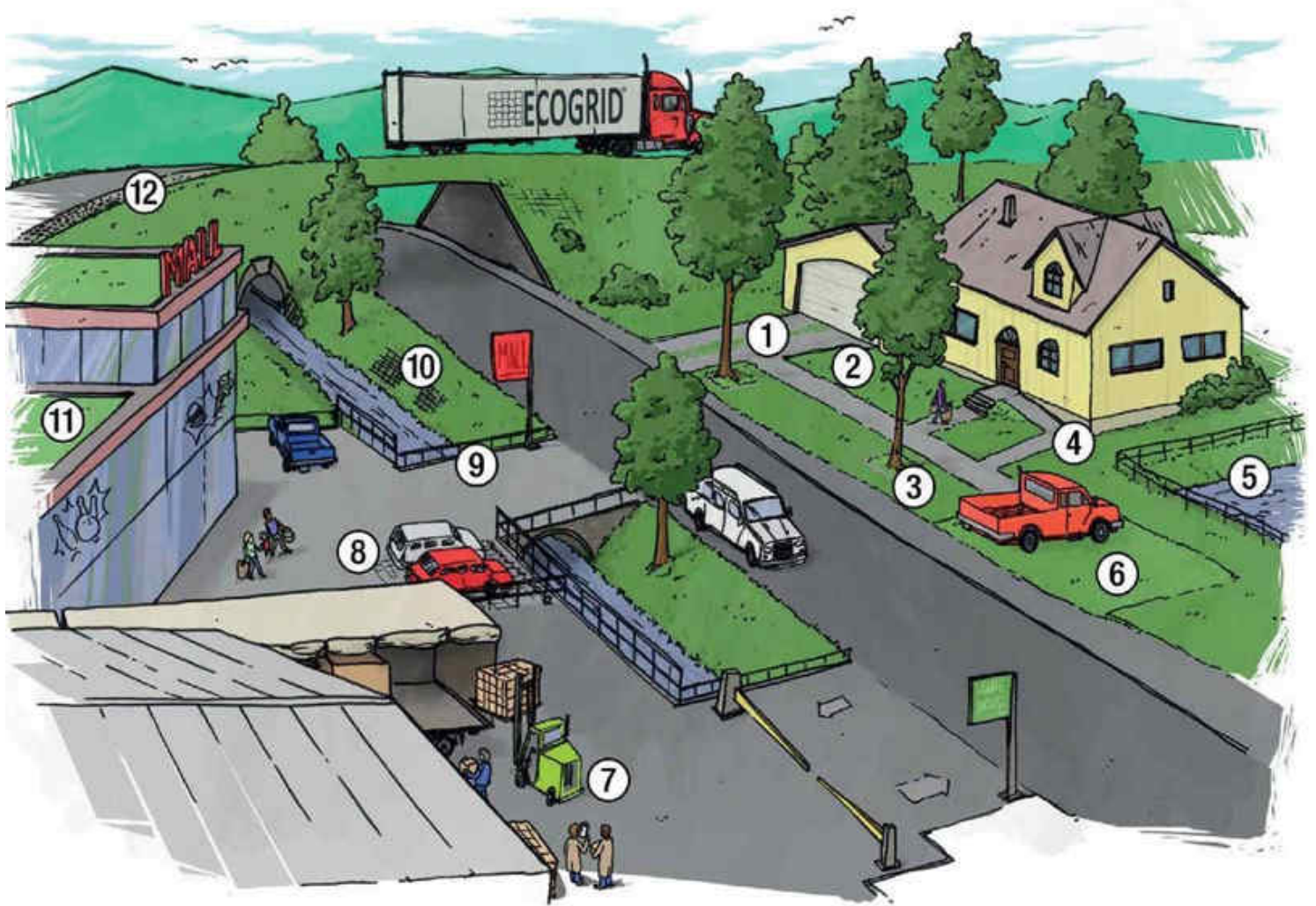
Material	100% recycled/ recyclable PE/PP
Colour	Grey
Area	400x600mm
Height	75mm
Water retention capacity	81/m²
Weight (at max. water content)	95kg/m²
Weight (at max. water content)	22.8kg/unit
Water retention capacity (at max. water content)	32 l/m²
Run-off coefficient	0,5

Delivery Units

Pre-planted tray volumes	Over 80% (4-6 sedum varieties)
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Follow this easy guide to find out what product suit your project the best.



- | | | | | | | | |
|---|-----|------------|-------|---|-----|-----|----------------|
| 1. Gravel filled parking systems | E40 | E40
XXL | E50 | 7. Exterior warehousing and storage | E50 | | |
| 2. Artificial turf, resin stone bases | E30 | E40 | E50 | 8. Under concrete pavers for parking lots | E30 | E40 | E40
XXL |
| 3. Tree root protection | E40 | E40
XXL | E50 | 9. Roads and bridges | E50 | | |
| 4. Accessible pathways (Disabled) | E30 | E40 | Bloxx | 10. Erosion control | S50 | | |
| 5. Infiltration ponds, drainage ditches | S50 | | | 11. Green roofing | E40 | E50 | Ecosedum Trays |
| 6. Grassed parking systems | E40 | E50 | S50 | 12. Soft shoulder reinforcement | E50 | | |

Showing the build-up layers



Gravel Filled Car Park



EcoGrid Combination System Car Park:
Grass Fill and EcoGrid Bloxx



EcoGrid Additional Infiltration Systems



EcoGrid Tree Root Protection



EcoGrid Lorry Parking Systems



EcoGrid Lorry Parking With Added Ground Spikes

EcoGrid Accessories



EcoGrid Bay Markers: Raised profile

Our EcoGrid bay markers with a raised profile are fully UV stable and firmly clip inside and underneath the grid tile. Raised markers are best with grass filled applications. Markers can also be used to show disabled symbols, or any shape required.



EcoGrid Bay Markers: Flat profile

Our EcoGrid bay markers with a flat profile are fully UV stable and firmly clip inside and underneath the grid tile. Flat markers are best with gravel filled applications. Markers can also be used to show disabled symbols, or any shape required.



EcoGrid Curving Units

Our EcoGrid curving unit allows the making of any curved shape without the need for cutting. Any curve, even a full circle can be achieved.



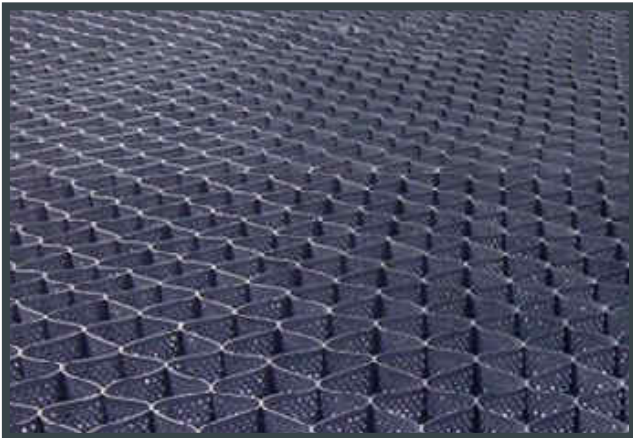
EcoGrid Angular Section

Our EcoGrid angular section allows the laying of grids from the horizontal to the vertical. Great for embankment, dunes or bunds.



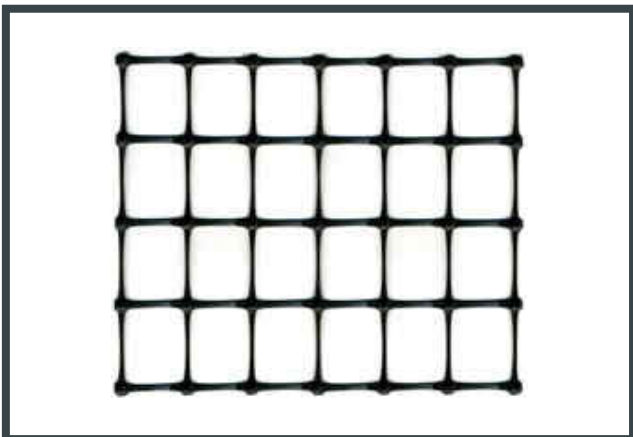
J Pins

This Steel Fixing J pins are used to add a security measure to installations where stability may be in-doubt. For example, steep gradients. Pinning the EcoGrid down will avoid potential movement issues. The frequency tends to depend on the situation, but three pins per square metre will usually suffice.



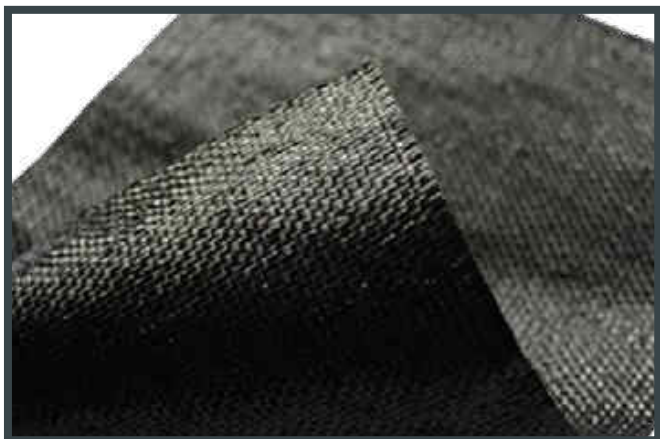
EcoCell Tree Root Protection

Our EcoCell products come in 100, 150 and 200mm depths and are used in conjunction with an EcoGrid surface either grass or gravel filled when there is a need for tree root protection on a site or access road.



Open Weave Geogrids

Our open weave membranes are employed when the excavated layer is soft or the CBR is low. These layers act as a fully permeable support layer.



Woven Membranes

Our EcoGrid woven membranes come in any size to suit your application or in full roll sizes 4.5 x 100 metres. Woven membranes are generally used as a primary layer in an installation prior to the build-up layers.



Non-Woven Membranes

Our EcoGrid non-woven membranes come in any size to suit your application or in full roll sizes 4.5 x 100 metres. We stock a wide range of geotextile membranes to suit all application from 80g to 650g.



EcoGrid Recessed Inspection Chamber Covers

Our EcoGrid recessed inspection chamber covers come in variety of depths and styles. We offer bespoke covers for specific projects and are the sole suppliers of the GrassTop range to the UK and Ireland.



Alusthetic AluFlex Edging

Our Alusthetic aluminium edging is easy to fit and provides a professional finish to any installation, ideal for resin bound stone, gravel and grass fill applications.





EcoGrid is a forward-thinking company, providing a comprehensive turnkey approach by amalgamating quality goods and service with value and efficiency. A true 'one stop' approach to projects.