

GRASSFORM



GROUP

Ground Protection Specialists



01277 353686



www.grassform.co.uk

WELCOME

As Managing Director, I would like to welcome and introduce you to my company. Grassform Group has been supplying ground care services and solutions to customers across the country, and over the years we have grown to become one of the leading Ground Protection and Turf Care specialists in the UK. We have a diverse range of products and services available which makes us a ground care company with a difference, able to cater for a vast number of requirements.

Before establishing Grassform Group, I spent over 17 years working at a multi-million pound company, starting at the bottom and working my way up to become the company's chief buyer. In 2005 I founded Grassform Group with my brother and fellow Director, Simon Dunning. Simon studied for a qualification in Mechanical Engineering at college in Oxfordshire before building a career at a construction plant hire company in Essex.

Our combined experience of over 25 years in the plant hire and sports ground industries resulted in a sound foundation to build our company. This is of the reasons we are such a success today. Between us, we have extensive earthwork experience in golf, football, rugby, polo and cricket, and we have worked with numerous high-profile clients and blue chip companies.

Since inception, Grassform Group has installed and provided solutions for a wide variety of clients. We are committed to investing in the highest quality equipment, ensuring we provide our clients with a reliable professional service. Our experience means that all our work represents value for money. Our team's detailed knowledge of the industry means that we can always meet expectations, so whether you need ground protection for outdoor music events, or a temporary car-park solution, our attention to detail ensures great results every time.

Our years of experience guarantee that all projects will be carried out on time and completed to the highest of standards so you can be reassured that everything has been taken care of.

At Grassform Group we pride ourselves on providing our customers with sustainable and environmentally efficient products which enhance and maintain the natural landscape. For example, our GeoGrids are made from recycled, industrial waste plastic, materials which would otherwise go to landfill sites. As a consequence of this methodology, savings are made on many levels.

Grassform Group is a continually growing and evolving business. We strive to provide the best quality service to all our clients and we are committed to offering a wide range of solutions to customers, whatever their requirements. Our comprehensive range of products can be tailored to meet the needs of Groundsman, Events organisers, Land Managers and any other customer's in need of high quality, good value ground protection methods.

If you would like to find out more about how Grassform Group can help with your ground care needs, please do contact us. Call or email now to discuss your options with our experienced team.

We look forward to hearing from you.

Mark Dunning
Managing Director
Grassform Group

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Car Park Solutions



Car Park Solutions

Grassform Group's construction team not only provides sports pitch construction but also provides customers with a bespoke construction service for the installation of temporary and permanent car parks. With our extensive knowledge of earthworks for sports projects we can undertake contracts ranging from a few bays up to hundreds of spaces for airport or vehicle storage solutions. With our laser-operated equipment we can effectively level large areas to very fine tolerances on dual grade lasers, making the car park fit the topography and minimising unnecessary earthworks.



Working from customers' designs or drawings, our quantity surveyors can quickly establish the best fit solution for a temporary car park or if the project is of a more permanent requirement, we can produce full Bills of Quantity to itemise each construction process. This enables the client to pick and choose any additional items that may be required to meet the specification or budget, such as fencing, lighting bollards, entrance/exit gates or barriers, CCTV ducting, drainage, plus many more, with clear and concise pricing.



WE HAVE EXPERIENCE

Grassform's extensive use of temporary parking solutions means we can also offer expert advice and install options to help our clients to find the correct option to handle the customer's particular parking problem. Whether it be a factory refit or maintenance shutdown to accommodate outside contractors or an overflow car park at a country house, we can find a solution. As we supply many of the products we install, we understand the correct parameters of each individual product and sometimes mix and match solutions to meet occasional parking or heavy-duty use options.



Our install teams are fully CSCS, CPCs, CRB-checked and First Aid trained, fully uniformed, all with PPE, so you know before we start that the team can meet and exceed any health and safety requirements, therefore making the site as safe as it can be to give any client peace of mind. As additional back-up, our health and safety consultants carry out periodic site visits to check and monitor our sites to maintain our exceptional standards.

If you have any parking or temporary solution requirements, call our sales team, who will be happy to help you find the correct option for your customers.

TuffTrak[®]

The ultimate heavy-duty road mat

The uniquely engineered dual traction surface of TuffTrak's tough, flexible polyethylene mats deliver the best grip possible from a product that is virtually unbreakable. This heavy-duty product is suitable as a temporary roadway system for heavy goods vehicles up to 150 tonnes, or as a safe walkway in virtually any weather condition. Ideal for a range of applications, from construction sites to outdoor events.

TuffTrak is made of chemically inert 40mm thick high-density polyethylene (HDPE) – a material that can not only cope with extreme weather conditions, but is trusted for use in eco-sensitive areas and on heritage sites.

The mats also provide highly efficient weight dispersal, ensuring they can be deployed on uneven, very soft or boggy ground. This protects the ground from severe rutting caused by heavy plant machinery – preventing eco-damage, and avoiding health and safety issues caused by poor ground conditions.

Ultra durable material – weatherproof, waterproof and resistant to damage from acids, alkalis and solvents. TuffTrak performs to perfection in the harshest of conditions, including sub-zero temperatures, and easily returns to its original profile after constant heavy loads.

Due to being a HDPE (plastic) material, there is no theft value, as opposed to aluminium trackway.

Ideal for any terrain – manufactured in the UK and Europe for use worldwide, TuffTrak comes with a variety of connection options for different terrain and equipment.

High Eco credentials – TuffTrak is 100% recycled, recyclable and non-polluting. The chemically inert mats will not leach toxins, and the efficient weight dispersal ensures that the ground is not severely damaged, even by heavy plant machinery.



“ The TuffTraks easily withstood all of our heavy machinery and large display screens over the Olympic period at Haggerstone Park
Richard Skepper.

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Get in touch with our experts now!



View the video online now!

TuffTrak®

CHEVRON TRACTION SURFACE

Unique dual anti-slip design. On one side the chevron nubs dispel mud whilst vehicles traverse, reducing sideways movement or slippage, and delivering optimal forward traction for heavy plant, machinery and vehicles. The reverse is designed specifically for pedestrians, reducing the risk of slips, trips and falls whilst delivering high levels of grip.



HEAVY-DUTY ROAD MAT

Better than the best alternatives. Unlike aluminium road mats, TuffTrak is lightweight, so easier to transport. It is also suitable for areas of high theft risk, without the need for mat-specific site security. TuffTrak does not conduct electricity, offers great grip with less risk of trips and slips – ideal for meeting health and safety regulations.



MATERIAL PROPERTIES

CHEMICAL RESISTANCE	HPDE	UHMWPE
Acids Concentrated	Good - Fair	Good - Fair
Acids Diluted	Good	Good
Alcohols	Good	Good
Alkalies	Good	Good
Aromatic Hydrocarbons	Fair	Fair
Greases & Oils	Good - Fair	Good - Fair
Halogenated Hydrocarbons	Fair - Poor	Fair - Poor
Halogens	Fair - Poor	Fair - Poor
Ketones	Good - Fair	Good - Fair

ELECTRICAL PROPERTIES

Dielectric Constant @ 1MHz	2.3 - 2.4	2.3
Dielectric Strength (kN mm-1)	22	28
Dissipation Factor @ 1MHz	1-10x10-4	1-10x10-4
Surface Resistivity (Ω^2 cm)	10 +13	10 +13
Volume Resistivity (Ω^2 cm)	10+15 - 10+18	10 +18

PHYSICAL PROPERTIES

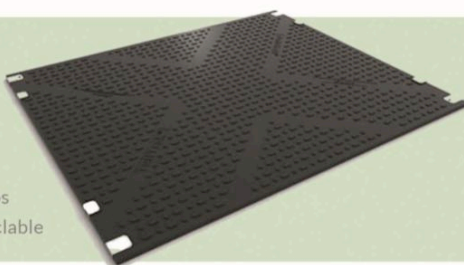
Density (g cm3)	0.95	0.94
Charpy Notched Impact-Strength (mJ/mm2)	no break	no break
Shore Hardness D	62 - 68	64
Limiting Oxygen Index	17	17
Radiation Resistance	Fair	Fair
Refraction Index	1.54	N/A
Resistance to Ultra-violet	Poor	Poor
Water Absorption (%)	<0.01	<0.01
Colour		Black or similar
Odour		Odourless

THERMAL PROPERTIES

Flammability	HB	HB
Coefficient of thermal expansion	100 - 200	130 - 200
Heat - Deflection Temperature	75	69
Heat - Deflection Temperature	46	42
Specific Heat (J K-1 kg-1)	1900	1900
Crystalline Grain Melting Range	135 to 145	133 to 138
Thermal Conductivity	0.45 - 0.52	0.42 - 0.51
Upper Working Temperature	55 - 120	55 - 95

SPECIFICATION

Dimensions: 3.0m x 2.5m
 Thickness: 40mm
 Weight: 290kg
 Connection: Quick fit bolts and connecting plates or straps
 Material: 100% Recycled HD Polyethylene - 100% Recyclable



Trakmat & Euromat

The two market leaders in their category

Strong, lightweight and easy to install and remove, Euromat and Trakmat are the grass protection mats of choice for a wide range of applications. The unique design, which has a self-cleaning surface on one side and traction cylinders on the other, offers amazing grip for vehicles and pedestrians whilst ensuring that the mats stay firmly in place – even on soft terrain, or synthetic turf – protecting the ground underneath.

Both mats are ideal for use in outdoor leisure areas, such as golf courses, parks and for outdoor events, where damage from vehicles must be avoided, and for use in light industrial applications, such as construction sites. The large surface area of these mats can support up to 30 tonnes of weight, but is not suited to 8-wheelers or similar vehicles.

Cost-effective: Euromats and Trakmats are cheaper than alternatives, such as steel plates and bog mats, and offer a safer surface than plywood thanks to their amazing grip.

Easy to use: Cut-outs for carrying by hand combined with the light weight of the mats make these products easy to lift and to store. The mats can be laid down on their own, or used with connectors for long-term or heavy-duty applications.

Excellent dual-sided traction: Unique non-slip traction cylinders prevent movement on the ground and the self-cleaning surface dispels mud, providing a safe and reliable surface for vehicles, workers and members of the public.

Suitable for heavy vehicles: Euromats and Trakmats are able to support vehicles of up to 30 tonnes with good ground conditions, but they can also be deployed on uneven and soft terrain. They are not recommended for 8-wheeled or similar vehicles.

Weather-proof and water resistant: Made of tough 1.27cm thick HD polyethylene, the mats can withstand extremes of hot or cold, are unaffected by water, and remain unbreakable in these conditions supporting loads of up to 30 tonnes.



“Trakmats provided excellent ground protection to an environmentally sensitive area and our project couldn't have been completed without them”
Geotechnical Engineering

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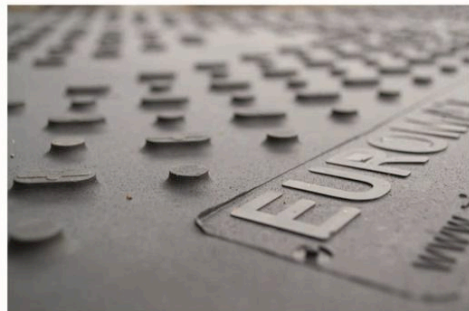
Get in touch with our experts now!

[View the video online now!](#)

Trakmats/Euromats

CHEVRON TRACTION SURFACE

Similar to the TuffTrak's Chevron design, Trakmats and Euromats have a gripped surface which works brilliantly against tyres and shoes. As the mats are made from HDPE (plastic) they remain grippy in wet conditions.



MAN-HANDLEABLE

Trakmats & Euromats weigh a maximum of 36kg, which means that they can be easily lifted by two workers. This makes them more versatile and allows installations to be easily altered at any time, whether it's changing the direction of traffic or filling in a turning corner.



MATERIAL PROPERTIES

MECHANICAL PROPERTIES

Tensile Strength	MPa	23 - 26
Flexural Strength	MPa	25 - 28
Flexural Modulus	MPa	1936 - 1967
Charpy Notched Impact Strength	KJ/M2	5 - 6
Poisson's Ratio	(Theoretical)	0.35 - 0.38
Compression Testing	Tonnes	250

GENERAL PROPERTIES

Density	Kg/m3	940 - 965
Shrinkage	%	2 - 4
Water Absorption	%	0.01
Thermal Expansion	e-6/K	110 - 130
Thermal Conductivity	W/m.K	0.46 - 0.52
Specific Heat	J/kg.K	1800 - 2700
Melting Temperature	°C	108 - 134
Glass Temperature	°C	-110 - -110
Service Temperature	°C	-30 - +85
Resistivity	Ohm.mm2/m	5e+17 1e+21
Breakdown Potential	kVmm	17.7 - 19.7
Dielectric Loss Factor		0.0005 - 0.0008
Friction Coefficient		0.25 - 0.30
Refraction Index		1.52 - 1.53

HEALTH AND SAFETY INFORMATION (GENERAL)

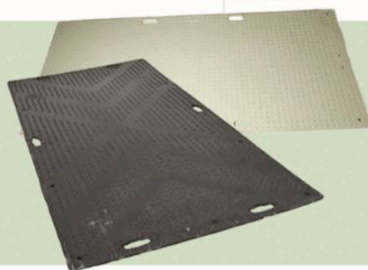
Critical hazards to man	None
Critical hazards to environment	None
Environment	The disposal of material presents no danger regarding toxicological or ecological considerations. Due to low water solubility, bio-availability unlikely.
Solubility in water	Insoluble
Regulatory	Not classified as hazardous under transport regulations.

SAFETY PROPERTIES

Melting point	Crystalline melt temperature 108 - 134°C
Ignition temperature	>360°C
Thermal decomposition	>390°C
Stability and reactivity	No possibility of degradation under normal circumstances. Degradation will only occur above the decomposition temperature.
Toxicology	Not harmful to health under normal conditions.

SPECIFICATION

Dimensions:	2.4m x 1.2m
Thickness:	12mm
Weight:	36kg
Connection:	External Bolt Connectors
Material:	Recycled HDPE (High Density Polyethylene)





Portapath


The most versatile temporary pedestrian flooring


Durable, lightweight and affordable, Portapath is the temporary flooring of choice for indoor or outdoor use where the ground requires protection from pedestrian traffic. The unique design allows water to pass through - delivering a high traction surface that is also suitable for wheelchairs, and sunlight too, maintaining the health of sensitive ground underneath during deployment.


The interlocking 'living hinges' ensure that a stable surface is achieved, and in record time. From ground cover in a marquee to a stadium concert fit-out, Portapath offers an easy to install solution that has been tried, and is trusted by users worldwide. This product is suitable for use in all weathers, all year round, and can support loads of up to two tonnes.


 **Easy to fit, easy to move:** Portapath's unique interlocking hinge system ensures it is quick and easy to fit in any application.

 **Stable, safe pedestrian surface:** A seamless anti-slip surface avoids slip and trip hazards, and provides a high traction surface suitable for wheelchair use.

 **Unique design protects sensitive grassed areas:** The vents incorporated into Portapath provide drainage, ventilation, and let sunlight through, all-important factors for maintaining the health of grassed areas underneath the temporary surface.

 **Eco-friendly:** Portapath is made from 100% recycled high-impact UV-protected polypropylene.

 **Versatile:** The construction and material ensure Portapath can be used in any weather all year round, providing grip and support for weights of up to two tonnes.

 **Durable:** Portapath can be used time and time again, and is durable enough to stand up to heavy use applications too, including the construction industry.




“The Portapath worked great at the Hyde Park event, and I would use it again.”

Gary Wilson - Head Of Events
Sponge Marketing

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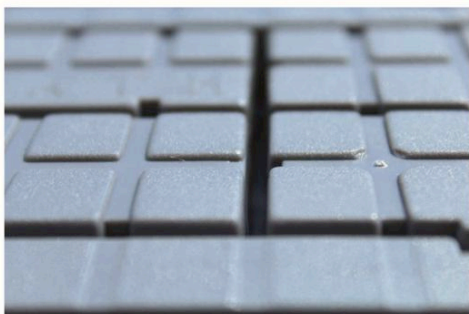
Get in touch with our experts now!

 [View the video online now!](#)

Portapath®

DRAINAGE CHAMBER

The Portapath has unique drainage chambers which are designed to allow most of the surface water through whilst reducing the amount of mud that can seep through from the ground.



FLEXES WITH THE GROUND

Due to Portapath consisting of many smaller tiles, this product flexes with the ground it's laid upon so you do not get a seesaw effect when walking over the Portapath. This is very handy when large areas are laid at festivals and in marquees.



MATERIAL PROPERTIES

OTHER MATERIAL PROPERTIES

Fire Rating	NFP92-501 Espiradateur Test M4
Load Factor	Can support vehicles of up to 2000kg on a firm surface.
Storage	Can be stored in rolls or flat sections. If outside, tarpaulin cover is recommended.
Cleaning	Can be swept or pressure-washed. Standard cleaning fluids can be used.

CONNECTION



Portapath has its own unique connection system which is incredibly quick and easy to install and almost as easy to uplift.

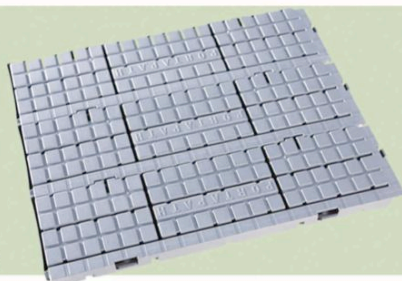
To install, you simply align the connections and click them in.

To uplift, you just use a flat head screwdriver to put the connections back out, as per the images above.



SPECIFICATION

Tile Dimensions:	31.11cmW x 8.51cmL
Sheet Dimensions:	124.4cmL x 93.6cmW
Thickness:	1.59cm
Weight:	4.6kg per sheet
Connection:	Quick connection system
Material:	UV-Protected Polypropylene 100% Recyclable



Diamond Track

Diamond Track

GRASSFORM PRODUCT GUIDELINE



Diamond Track - the essential pedestrian flooring solution



- » Can be installed using the technique 'brick bonding' for an even stronger surface.
- » Creates a tough and reinforced surface that supports natural drainage.
- » Low transport and handling costs, making Diamond Track a cost-effective solution.
- » Lightweight and high strength durability for quick installs that will last the duration of your project.
- » Ideal for permanent or temporary applications.
- » Provides a seamless and aesthetic flat finish with no trip hazards. Ramps are also available.



Diamond Track protects your valuable surfaces from unsightly wear and undesired ground damage.

Technical Specifications

Material:	100% recycled HDPE	
Dimensions:	2195"²	1190mm²
Thickness:	1.18"	30mm
Weight:	16.5lbs per m²	7.5kg per m²

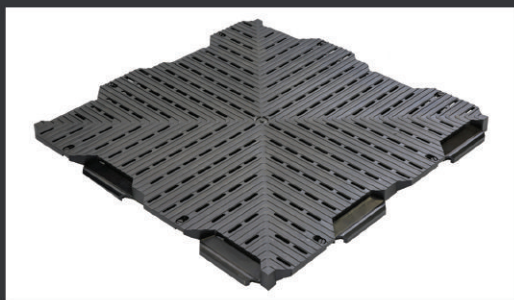
Features

This reliable product is a superb temporary or permanent solution for both indoor and outdoor applications. The tile is very lightweight and therefore makes it easy to transport and move when needed. Diamond Track is made from recycled polypropylene for a strong and environmentally friendly solution, if you need an even stronger surface we can also lay the product using the 'brick bonding' technique.

Diamond Track can also be laid quickly and efficiently with its easy to lock together edges for a seamless and aesthetic finish.

Portable Flooring

Diamond Track can be used in a wide range of applications where a strong and stable surface is required or when the ground is susceptible to damage and wear. It can be used as cabin flooring, pathways, walkways for construction, events and stadiums, marquee flooring and more!



Grassform Group

Little Woodbarns Farm Yard, Green Street, Fryerning, Ingatestone, Essex, CM4 0NT UK

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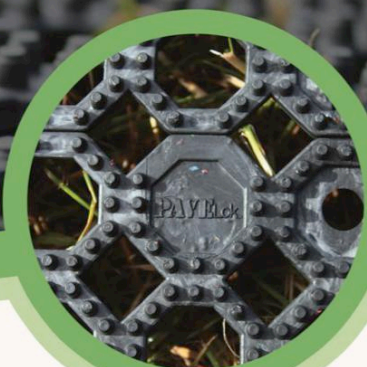
Tel: +44 (0) 1277 353 686 Fax: +44 (0) 1277 356890

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PaveLok

PaveLok is the perfect solution for driveways and overspill parking if you don't want to excavate the area. With a grippy surface you're sure to not slip up!



Easy to install, PaveLok requires no special skills to construct, and there is no need for costly ground preparation before use. The moulded non-slip cellular structure ensures that each tile stays in place, and the interlocking system allows for reliable deployment on contoured terrain.

PaveLok is the ground protection tile of choice for grass access routes, car parks, driveways and walkways thanks to the raised grip stippling which provides excellent traction for all types of traffic. Not only is the surface great for vehicles, it is wheelchair-accessible and pushchair-friendly too. PaveLok tiles can be used as a temporary or permanent solution, and the sturdy recycled PVC material is reliable even in the most extreme weather conditions.



"PaveLok was easy to install and has proved itself over one of the wettest winters in years"

Lee Valley Marina Springfield

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PaveLok®

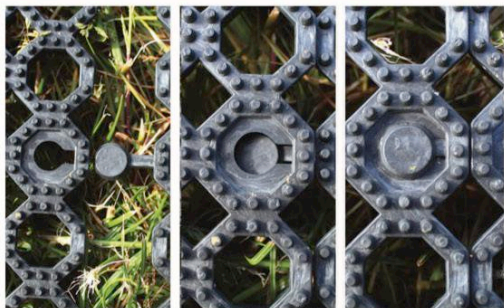
Green Finish

PaveLok is designed to protect the grass it is laid on, but the grass grows through to help the PaveLok as well. This means that you will be left with an area that can be driven on but also looks natural and pleasing to the eye.



Secure Connections

PaveLok has a secure connection system that allows it to be easily installed using a mallet and something hard underneath. PaveLok can be uninstalled, using a tear motion, but under real usage conditions the connections do not come apart.



Variations & Extras

NYLOK PEGS

The Nylok pegs are a new way of securing matting to ground. They have a 3-step secure system, meaning that there are different steps down the peg so if you cannot get the whole peg into the ground you can use pliers to cut the excess off.



You can request a tapping pole to help knock the connections together. This is a small plastic pole that is design for speed and accuracy, but will only suit certain types of installation. So please call us to discuss this, or watch our video online.

EDGING

We supply male and female edging to reduce trip hazards and to complete the look of the area. Great for use in gateways and for wheelchair access!



SPECIFICATION

Dimensions:	500mm x 500mm (4 per sq m)
Thickness:	23mm
Weight:	1.7kg (6.8kg per sq m)
Connection:	Lug connection system
Material:	100% recycled PVC
Slip Resistance:	BS EN 7188
Fire Resistance:	BFL S1



GrassLok

GrassLok is the leading play area grass reinforcement that not only protects the grass to maintain the green area, but also gives cushioning for any slips, trips and falls.



Safe, sturdy, quick and easy to install: GrassLok provides an excellent anti-slip surface ideal for use in play areas. The unique structure ensures it provides a critical fall height of up to 3m to BSEN117, and the large tiles mean that a big area can be covered fast with the secure interlocking connection system. With GrassLok, there is no expensive groundwork or preparation necessary, providing a cost-effective solution when it matters most.

Any outdoor activity area will benefit from GrassLok. It has the highest rated slip resistance certification, making it both wheelchair and pushchair-friendly and it is extremely hard-wearing, with proven anti-fatigue properties. One of the best features of GrassLok is that once the grass is established, it can be mown as usual – the result is an outdoor area that looks great, is easy to maintain and boasts eco-friendly credentials.



**"GrassLok was perfect for
the banks around the
wall"**

Hadrien`s Wall Trust

GrassLok®

Colour the imagination

GrassLok can be made in many different colours to cater for any play area. This is done by using 100% virgin material which is priced separately from the recycled version, so contact us for a quotation!



Grippy but green

GrassLok is much more grippy than grass and other plastic products as it has a small percentage of virgin PVC added to increase the flexibility meaning less slip whilst retaining that natural look.



Variations & Extras

NYLOK PEGS

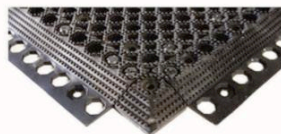
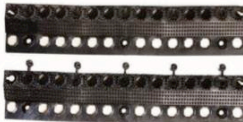
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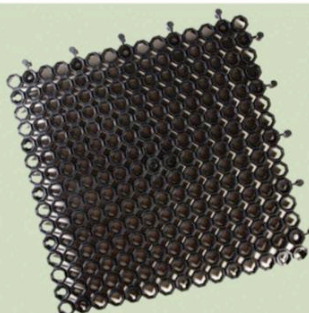
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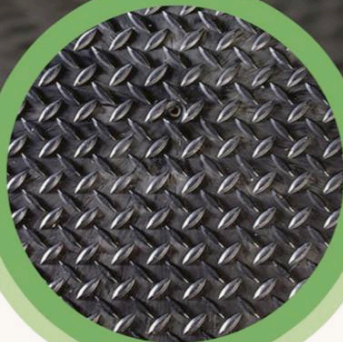
SPECIFICATION

Dimensions:	500mm x 500mm (4 per sq m)
Thickness:	23mm
Weight:	1.3kg (5.2kg per sq m)
Connection:	Lug connection system
Material:	98% recycled PVC 2% Virgin PVC
Slip Resistance:	BS EN 7188:1998
Fire Resistance:	BS EN 4790:1987
Critical Fall Height:	BS EN ISO 1177:2008



CheckerLok

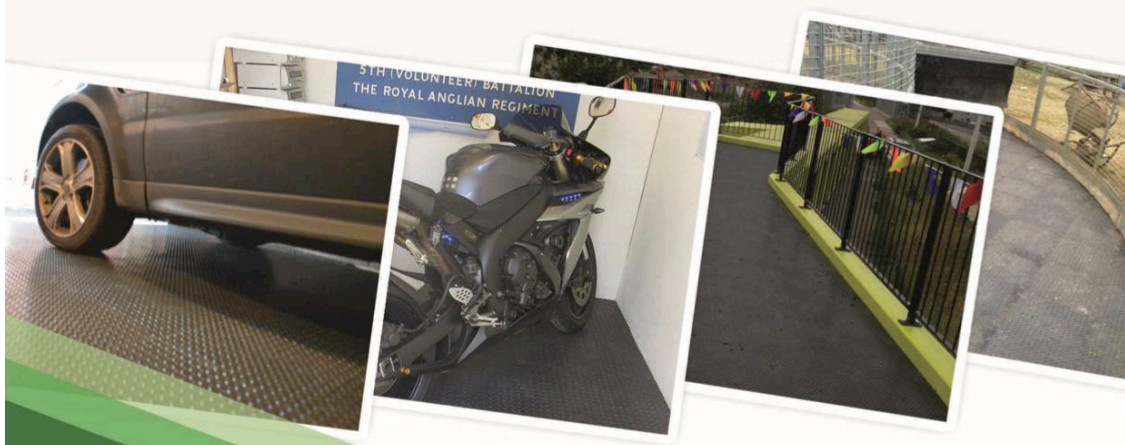
CheckerLok offers a versatile, easy to install solution for just about any application, combining an innovative interlocking design with ultra-durable vinyl.



Combining an innovative interlocking design with ultra-durable vinyl, CheckerLok is engineered to last.

As well as being probably the most versatile product of its type for use on hard, level surfaces, CheckerLok is incredibly competitively priced, making it the perfect all round flooring choice!

CheckerLok's interlocking design makes it very quick and easy to install and means it can be easily dissembled, stored and re-laid for use again and again. The design and material properties have the added benefit of ensuring this product is fully wheelchair-accessible.



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"CheckerLok has vastly improved the look and feel of my garage"

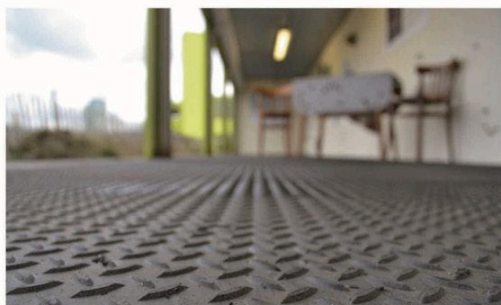
Terry
Sales Director
Land Rover

CheckerLok®

Checkered Design

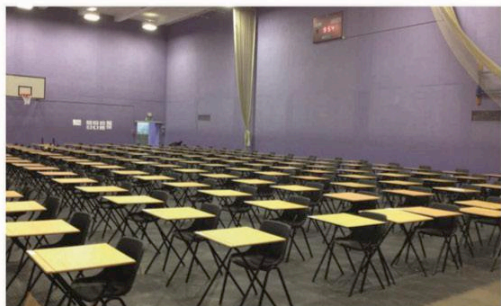
CheckerLok's traction surface provides improved grip for shoes, wheels and furniture whilst still giving an almost seamless surface for sweeping and mopping with ease.

CheckerLok also can be easily cut using just a sharp workman knife. This is handy for those awkward corners.



Insulation Benefits

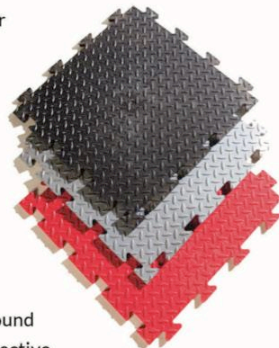
CheckerLok also offers good thermal and acoustic insulation and eliminates hazards caused by dust generated by old concrete floors, which makes it the perfect solution for show rooms, display areas and sports halls.



Variations & Extras

COLOURS

We can offer a selection of different colours to cater for many different needs. Whether it's to create an attractive presentation area or to separate pathways from work areas, we can supply.

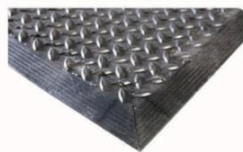


CheckerLok has been used in a number of sports halls and at many events around the U.K. to construct an attractive floor for the promotion of products or just as a fun play area for children. Whatever your indoor need may be, CheckerLok can provide a solution.

Coloured CheckerLok does come at a premium price which is priced upon application. There may also be a lead time for the factory to prepare orders.

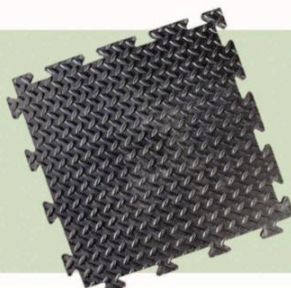
EDGING

We supply male and female edging to reduce trip hazards and to complete the look of the area. Great for use in garage doorways and entry/exit point on paths.



SPECIFICATION

Dimensions: 500mm x 500mm (4 per sq m)
 Thickness: 12mm (14mm including raised grip)
 Weight: 1.7kg (6.8kg per sq m)
 Connection: Quick puzzle lock system
 Material: 100% recycled PVC

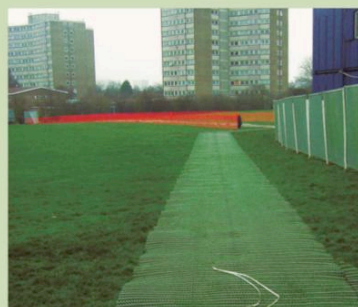


Heavy & Medium-Duty Mesh

This mesh protects high-use grassed areas from becoming a muddy mess, perfect for car parks, pedestrian access routes, equestrian surfaces, caravan parks and light aircraft taxiways.

For a practically invisible reinforced grass surface that is easy to install and easy on the pocket, choose a mesh that delivers up to 97% improved slip resistance compared to other products. The mesh protects high-use grassed areas from becoming a muddy mess, perfect for car parks, pedestrian access routes, caravan parks and light aircraft taxiways. It can also be used for front lawn parking, protecting the garden when needed.

These mesh solutions are the sought-after alternative to paving, suited for budget applications as part of Sustainable Urban Drainage System (SUDS), where planning restrictions apply. Installation is fast and simple, providing a cost-effective solution for projects with a tight budget.



GRASSFORM
GROUP

**"This really is a great product,
very robust and easy to use"**

**Marco Marcucci
Envirolawn Ltd**

Heavy & Medium-Duty

A Strong Hold

For a secure fit, we sell Steel Upins which are reinforced metal bars shaped to give a good 'staple-like' structure for a tight fit in the mesh.

We recommend 3 bags of pins per roll of 2m x 20m as this should be a sufficient amount to allow a tight hold to the ground and work around any undulations that may arise.

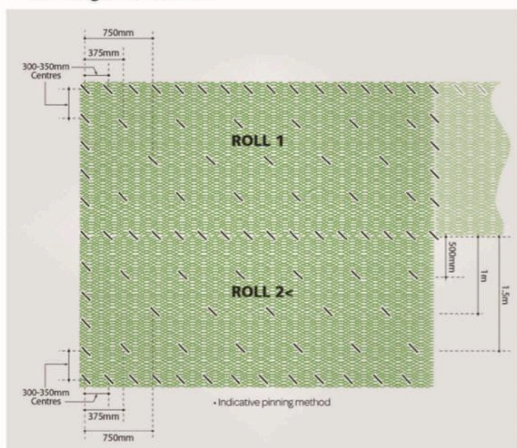


The woven design seen above is great for traction on foot and wheels but also helps to dispel any surface mud. Keeping the mud and water beneath the surface of the mesh aids grass growth and helps protect the crown of the grass, which means that the damaged blades can replenish at a faster rate than if the crown was crushed by traffic.



Installation

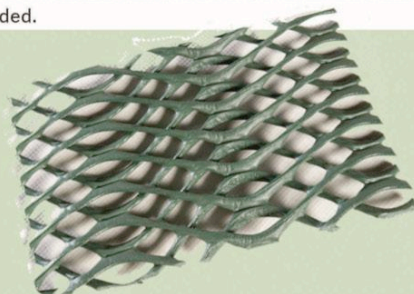
1. The mesh should be installed on a relatively flat and even surface. Any holes and dips should be filled with free-draining sandy soil, then roll and level the ground.
2. It is advised to unroll the mesh and pin at each corner and leave to settle for around 1 hour prior to installation. This will allow the plastic to regain its flat form.
3. Outer edges will require pins at 300mm - 350mm centres, then space the pins out at 500mm spacing across the width of the roll and 750mm spacing across the length of the roll.



4. Work from one corner up the length of the roll, then work from the same corner across one width. Then work at a diagonal across the mesh whilst keeping taut to avoid any undulations.
5. If installing more than one roll, make sure that you overlay the pins along the connecting edges. Do not overlap the mesh as this will create a trip hazard and the mesh will peel much easier.
6. Seed and fertilize the soil before or after installation as needed.

SPECIFICATION

Dimensions:	2m x 20m or 1m x 10m
Thickness:	14mm (2kg) or 11.5mm (1.2kg)
Weight:	2kg or 1.2kg per sq m
Material:	HDPE
Slip Resistance:	>40 (Low)
Tensile Strength:	16kN/m ISO 10319
Yield Point Elongation (MD):	35%



This mesh comes in two different identical products as either Grassprotecta Mesh or Grass Reinforcement mesh.

Light-Duty Mesh (550g & 660g)

We supply the most popular light-duty mesh in the industry. It fills a market gap by being robust but only thick enough for use with very light vehicles and pedestrian traffic and is priced accordingly.

We protect grassed areas and provide a safe non-slip walkway with our light-duty mesh, the cost-effective, easy-install turf reinforcement solution. The extruded mesh design stabilises access routes and grass verges by allowing grass to grow and intertwine with the filaments. The result is a natural grassed finish with excellent traction. In fact, Light-Duty Mesh is up to 97% more slip-resistant than standard grass protection mesh, and suitable for disabled (DDA) access routes.

The large 2m x 30m rolls make it quick and easy to install. There is no groundwork necessary and no need for special tools or skills. This makes it an ideal product for projects on a tight budget. Light-Duty Mesh is also the product of choice for budget applications as part of Sustainable Urban Drainage System (SUDS). The mesh can support light traffic such as ride-on mowers and golf buggies. However, for car parking applications we recommend using the heavier-duty mesh.



**"Excellent service, excellent product,
nothing but good to say"**

Paul Firth - Director

Malc Firth Landscapes Ltd

**GRASSFORM
GROUP**

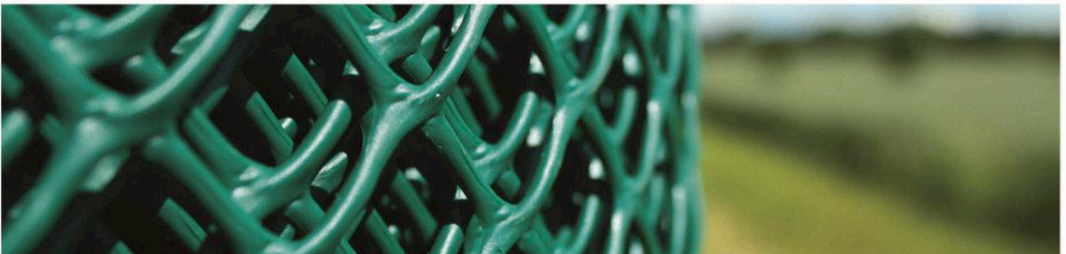
Light-Duty Mesh

More variety, more features

- **Anti-slip:** With up to 97% more slip resistance than standard meshes, our mesh guarantees grip where other products can't.
- **Available in two grades and colours:** The partly recycled UV Stabilised polyethylene material is available in black or green and Standard 550g/m² or Premium 660g/m² to suit light use and heavier use applications



- **Ideal alternative to paved surfaces:** This mesh can be used in planning sensitive areas and is suitable as part of a Sustainable Urban Drainage System (SUDS).

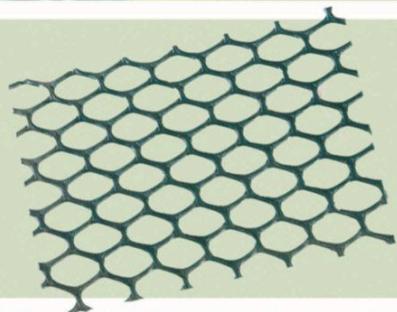


Installation

1. Cut the grass short and remove surface debris including excess grass clippings. Fill any depressions with a sandy topsoil, level and firm.
2. Unroll the mesh onto the prepared surface and fix one end using metal U-Pins. Whilst pulling the mesh taut, pin about every 1m down either side of the roll, ensuring the mesh lies flat to surface.
3. Lay adjacent rolls and overlap at 150mm and repeat the fixing process.
4. Secure overlaps and all external edges every < 1m. Use additional pins where any bridging or rippling of the rolls is evident. About 75-100 pins per roll will be required.
5. Brushing a dressing of good quality sandy topsoil over the mesh to cover the ribs and fill the apertures will help promote early root growth around the mesh and promote stability. Dressing by more than 10mm is not recommended.
6. Apply a suitable grass seed dressing over areas which were previously bare of grass or which have received more than 10mm covering of sandy topsoil.
7. Pedestrians and traffic should be kept off the treated areas until the grass has become fully established over the mesh. This may take up to one growing season, depending on the time of year.

SPECIFICATION

Dimensions:	2m x 30m rolls
Thickness:	3mm
Weight:	550g or 660g per sq m
Material:	UV Stabilised HDPE
Colours:	Green or Black
Tensile Strength:	Light 5.9/7.1 or Heavy 6.2/7.5
Yield Point Elongation (MD):	40%

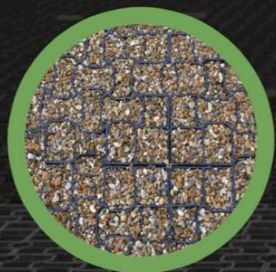


Our light-duty mesh comes in two different products, Turfprotecta Mesh and Turf Reinforcement Mesh.

GeoGrid®

Cellular paving system

The fast & safe way forward



Tough, flexible ground reinforcement for semi-permanent or permanent applications, GeoGrid is strong enough to support a 25 tonne axle load and durable enough to resist harsh wear and tear. The versatile nature of the grids makes this product perfect for a wide range of uses, from rooftop gardens to livestock paddocks, private airfields and construction sites. Simply install, then fill with grass or decorative gravel. Minimal maintenance is required.

The lightweight design reduces handling and transportation costs, and the large interlocking tiles make GeoGrid quick and easy to install over a large area, offering further cost efficiency. Constructed from 100% recycled polyethylene that is UV, weather and frost-resistant, you can trust GeoGrid to provide a crackproof, non-expanding dimensionally stable surface with natural drainage – ideal for installations that require SUDS compliancy.



- Semi or permanent ground reinforcement
- Patented strengthend design
- Prevents gravel migration
- Fast and simple to install
- Durable and light-weight
- Non-slip and weather-proof
- Grass or gravel Infill

“We have used GeoGrid on lots of jobs throughout Essex, and it's getting increasingly popular as it gives a sturdy and attractive finish.

Chris Bailey
cbaileyandsons.com

GRASSFORM
GROUP

Get in touch with our experts now!

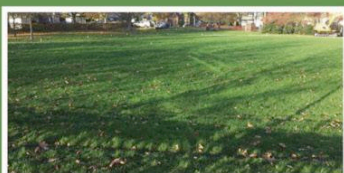
GeoGrid®

THE TRANSFORMATION

GeoGrid has many applications, such as field entrances, driveways and footpaths. However, the most common application is for creating large car parks. This is because as well as gravel car parks becoming more and more popular, consumers and companies are seeking a more natural grassed finish and the attractiveness of having an environmentally friendly alternative to Tarmac.

GeoGrid can quickly transform soft, rutted ground into a self-permeable attractive car park.

Prior to renovation the grass was soft and could not be driven upon.



The area was excavated and a geotextile was laid. MOT Type 1 is then laid and levelled.



A sand layer is added and levelled, then the grids are laid and delineation markers are inserted.



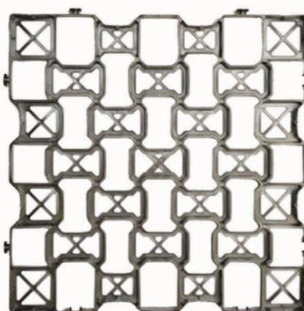
The gravel is in-filled and rolled. The car park is ready to use!



Cost-effective: Large, light grids weighing just 4kg per sq metre, and measuring 495mm x 495mm with a 40mm depth, ensure a quick, easy and cost-effective installation.

Ultra durable: GeoGrids are made from non-slip, crack-proof, weather-proof, frost and UV-resistant material.

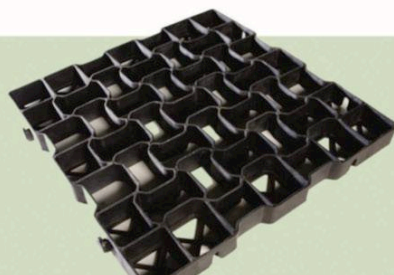
Totally stable: The grids are non-expanding and can be cut to size for dimensionally stable surface reinforcement able to support an axle load of up to 25 tonnes.



Multiple applications: Suitable for construction sites, access roads, commercial parking, private driveways, agricultural facilities, helicopter landing pads, embankment stabilisation, infiltration basins, green roofs, and more.

Eco-friendly: GeoGrids are constructed from 100% recycled polyethylene, and the natural drainage makes them SUDS-compliant. The design prevents soil erosion and gravel migration.

Aesthetically pleasing: A grass or decorative gravel infill transforms any area where GeoGrid is installed into an aesthetically pleasing installation.



SPECIFICATION

Dimensions: 500mm x 500mm (4 per sq m)
 Thickness: 40mm
 Weight: 4kg per sq m
 Connection: Interlocking male and female lugs
 Material: 100% Recyclable HDPE



GRASSFORM GROUP

Ground Protection Specialists

Case Study: Car Parks Customer: Trueform Product: Geogrids

Grassforms experienced installation crew got to work on excavating the car parking areas and removing the material from site. Once the bulk earthworks were completed, specialist materials were imported and Grassforms installation crew set to work putting the car parking area together in record time, finishing two days ahead of a tight deadline that was agreed at the start of the project.

Simon Dunning, Grassforms Contracts Director:
"Our install team on this Premium Geogrid Car Park have pulled out all the stops to ensure our client had this facility operational as quickly as possible, although installed in quick time our experienced crew has maintained a quality finish with a quality Geogrid product for a quality client."

Trueform: "We have to commend Grassform Group on the installation of our new Geogrid Car Parks, due to their diligence and hard work they have delivered prior to expectations and we would like to thank them for completing our new parking areas to such a high standard in such a good timeframe. It will ease our parking issues and we would be happy to recommend them to anyone considering a project of this type."

From this



To this



Grassform Group Ltd Terms & Conditions of Sale

Prices

Prices quoted in our price guide are correct at the time of going to publication. Goods will be invoiced at prices ruling at the time of despatch.

Settlement

Strictly nett within 28 days of invoice. Interest will be charged on outstanding accounts at 2% above the current bank rate.

Small Order Surcharge

Orders under the value of £50 nett value, excluding VAT, will be subject to a surcharge of £20 together with carriage, unless otherwise stated.

Cancellations

Goods returned after 30 days will only be accepted at Grassform's discretion and are subject to a 50% handling charge.

Value Added Tax

All prices are exclusive of VAT.

Goods

On receipt these should be examined by the consignee. When this cannot be done they must be 'unexamined'. If a clear signature is obtained for 'Goods received in a good condition' no claims can be considered.

Damaged Goods

Claims for damaged goods must be notified to the company's head office by telephone, fax or email within three days of delivery. Claims after this period will NOT be entertained.

Non-Delivery

Non-delivery must be notified within five days of receipt of the invoice and confirmed in writing, otherwise no liability will be considered.

Limited Warranty

Grassform will only honour main manufacturer's warranties. Main manufacturers warrant their products to be free from defects in materials and workmanship. The manufacturer's obligation will be to repair, replace or refund to its buyer the price of the defective product or component.

Disclaimer of Other Warranties

The foregoing limited warranty is in lieu of all other warranties expressed or implied, including merchantability or fitness for a particular purpose. In no event shall Grassform be liable for indirect, consequential or special damages of any nature whatsoever.

Title of Goods

Title of the goods remains with the seller until full payment has been received by the company.

a) Should the buyer default in any payment when due, the seller will be entitled to repossess all the goods held by the buyer which are still the seller's property (without prejudice to any other right or remedy arising out of such default in payment) and for this purpose the seller will be entitled to enter upon the land or buildings on/in which the goods may be situated and to remove the same. All costs incurred by the seller in repossessing the goods shall be borne by the buyer.

b) Any goods so repossessed shall be sold and the proceeds of the sale set off against the amounts due to the seller by the buyer. Any balance remaining of the proceeds of sale shall be paid to the buyer. If the said proceeds of sale are not sufficient, the buyer shall remain liable to pay the seller the amount remaining due together with any interest accruing therein.

Definitions:

The Seller: Refers to Grassform

The Buyer: The organisation / person purchasing the goods

Please Note:

All of Grassform's suppliers have a policy of continual improvement; therefore we have to advise that weights, sizes, measurements and colours shown in any of our publications or on our website are nominal only and changes to designs, specifications and equipment may occur at any time without notice and without incurring any obligations. The precise specification of any article will always be given, if requested, on application.

N.B

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GRASSFORM
 **GROUP**

Need Ground Protection? We've Got You Covered

Construction Sites

Pedestrian Access



**GRASSFORM
GROUP**

Car Parks

Event Flooring

UK Leading Ground Protection Specialists

www.grassform.co.uk

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