



# X-Grid

## Ground Reinforcement Grid

Designed and manufactured in the UK from **100% recycled plastic**, X-Grid is the ultimate in ground reinforcement and gravel retention grid. With a load capacity of up to **428 tonnes per square metre** and yet weighing only just over 5kg per square metre, X-Grid is the ideal product for use when creating a solid, durable and low-maintenance surface. As the cells can be filled with any number of different materials, there's sure to be a final finish suitable for practically any project. Grass roads, farm gateways, livestock areas and domestic or commercial parking are just a few uses for one of the **most versatile** building and surfacing products available on the market.

- RUBBER GRASS MATS
- RUBBER PLAY TILES
- BELT CONVEYORS
- STEEL FIXING PINS
- PLASTIC FIXING PEGS
- LAWN & BORDER EDGING
- FORCED ACTION MIXERS
- WATER STORAGE CRATES
- RESIN BOUND GRAVEL
- RUBBER GYM MATTING
- GRASS PROTECTION MESHES
- GRASS REINFORCEMENT MESHES
- GROUND REINFORCEMENT & GRAVEL RETENTION GRID
- SUBMERSIBLE COMBI PUMPS
- RECYCLED PLASTIC DECKING
- RECYCLED PLASTIC LUMBER
- LANDSCAPING & WEED CONTROL MEMBRANES



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This document was produced in April 2019 and the reliability and accuracy of this data should be checked by the reader prior to design or purchase.



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## KEY FACTS

- » Load Capacity: **428 Tonnes/m<sup>2</sup>**
- » Panel Size: **330x330x40mm**
- » Colour: **Black/Green/Natural**
- » Panel Weight: **574g**
- » Void Ratio: **93%**
- » Operating Temp: **-50 to +90°C**
- » Connection: **Integral Slot & Peg**
- » Material: **Recycled Polypropylene**
- » Wall Thickness: **3mm**
- » Panels/m<sup>2</sup>: **9**
- » Lifespan: **Up to 25 years**
- » Max Gradient: **12%**
- » Rate of Installation: **100m<sup>2</sup>/person/hour**

## APPLICATIONS



### GOLF & LEISURE

Bunkers, buggy paths, marinas, jetties, fishing swims, racetracks



### LANDSCAPING

Paths, walkways, grass roads, embankments



### HOT TUBS

Strong enough to take the weight of a hot tub or swim spa of any size



### GARDEN BUILDINGS

Sheds, log cabins, summerhouses & greenhouses can be placed on X-Grid



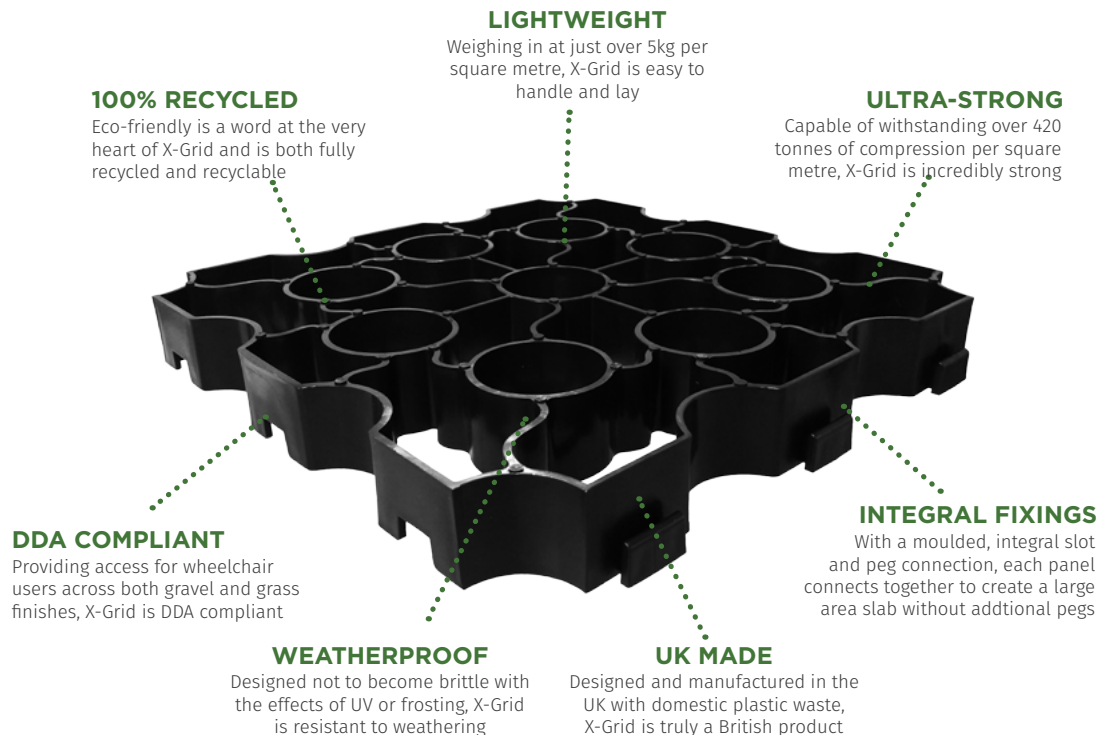
### DRIVEWAYS

Creating gravel or grassed driveways is simple with X-Grid's unique design



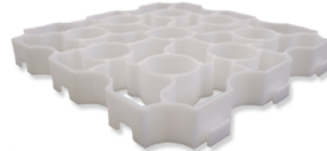
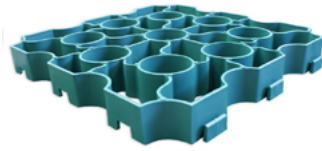
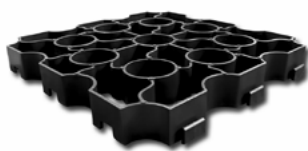
### EQUESTRIAN & FARM

Farm gateways, exercise areas, paddocks, tracks and feed areas



## Installation Instructions

- 1.** Mark out the area to be excavated and dig down to an appropriate depth according to the intended use. Typical dig depth is around 200mm to allow for MoT hardcore layer, levelling sand and grid depth.
- 2.** Install perimeter edging which is substantial enough to retain the grid installation, such as 150mm pin kerb edging, timber edging, stone setts or bricks. This will help to eliminate lateral movement of the surface.
- 3.** Backfill by compacting MoT type 1 or 3 in layers of 50mm to achieve a final depth of 150mm.
- 4.** Lay and secure a sheet of geotextile membrane across the MoT sub-base area. You must ensure that the membrane is flat to the surface by securing it into the ground using fixing pegs or pins as required.
- 5.** With the membrane in place, lay a 5-10mm thick layer of sharp sand to the entire area to level it out and create a granular bedding for the grid to sit on.
- 6.** On to the fully formed, well consolidated sub-base, begin laying your X-Grid ground reinforcement grids. Start in one corner, lay one panel at a time and simply connect any neighbouring X-Grid panels using the slot and peg snap connection. Repeat the process of lay and connect until the area is covered.
- 7.** If needed, X-Grid can be cut using a hand or power saw to fit into your specified area or to navigate around obstructions and curves. We recommend avoiding the use of cut pieces of X-Grid which are less than half of the original size of the panel. Your X-Grid panels can then be firmed in place using a light vibrating whacker plate if you require. Edges which require a panel less than ~150mm can simply be backfilled against the edging without grid.
- 8.** Once installed, fill your X-Grid with a gravel or aggregate. Preferably a 10-20mm diameter, well graded, clean and angular material. Fully rounded 'pea shingle' is not recommended due to probable migration of the gravel.
- 9.** You can compact the surface of your X-Grid using a light vibratory whacker if required.
- 10.** If you find you have any low areas, refill these spots with your gravel and compact again until you are happy with the finish.
- 11.** Your X-Grid gravel surface is complete and can be used immediately.



**X-Grid**<sup>®</sup>

PRODUCT CODE	COLOUR	DESCRIPTION	DEPTH (mm)	DIMENSIONS (mm)	PACK SIZE	PALLET QTY	UNIT WEIGHT (kg)
XG40B-001	Black	X-Grid Black Single Panel	40	330x330	1	450	0.574
XG40G-001	Green	X-Grid Green Single Panel	40	330x330	1	450	0.574
XG40N-001	Natural	X-Grid Natural Single Panel	40	330x330	1	450	0.574
XG40B-009	Black	X-Grid Black Square Metre	40	990x990	1	50	5.17
XG40G-009	Green	X-Grid Green Square Metre	40	990x990	1	50	5.17
XG40N-009	Natural	X-Grid Natural Square Metre	40	990x990	1	50	5.17
XG40B-450	Black	X-Grid Black Full Pallet	40	990x990	50	-	259
XG40G-450	Green	X-Grid Green Full Pallet	40	990x990	50	-	259
XG40N-450	Natural	X-Grid Natural Full Pallet	40	990x990	50	-	259