



**X-GRID®** is the sustainable ground grid built for strength, speed, and reliability.

Made in the UK from 100% recycled plastic, it's tested to 428 tonnes per m<sup>2</sup> and designed to handle everything from cars and vans to foot traffic and wheelchairs.

Its permeable, SuDS compliant design helps reduce surface water run-off and supports flood mitigation.

Easy to lay by hand, X-Grid installs up to 100m<sup>2</sup> an hour with minimal waste. Once in place, the unique open-cell structure locks gravel or other fill in position, keeping the surface level and tidy over time.



PROPERTIES	
Material	100% recycled plastic
Dimensions (L x W x H)	330 x 330 x 40mm (per tile)
Coverage	9 tiles = 1m <sup>2</sup>
Compressive Strength	Tested to 428 tonnes/m <sup>2</sup> by Lloyds British Testing Ltd
SuDS Compliance	Permeable design, helps with drainage
Weight	5Kg/M <sup>2</sup> ~0.57kg/tile
Installing	No specialist tools required
Connection System	Integral slot & peg interlocking
Load Rating	Suitable for cars, vans, wheelchairs, pedestrians

## RECOMMENDED EXCAVATION DEPTH

APPLICATION	BULLBASE DEPTH MM	MOT TYPE 3 DEPTH MM	SUB-BASE DEPTH MM	RESIN DEPTH MM	EXCAVATE DEPTH TOTAL MM
<b>Urban Path</b> Occasional vehicle use	6	150	50	15	<b>221</b>
<b>Rural Path</b> Pedestrian only use	6	150	50	18	<b>224</b>
<b>Domestic Drive</b> Light vehicles	6	200	50	21	<b>277</b>
<b>Car Parking</b> Cars & LGVs	6	250	50	25	<b>331</b>
<b>Car Parking</b> Heavy Use/HGV	6	300	50	30	<b>386</b>

## Resin Bound Stone X-Grid® TECHNICAL SPECIFICATION & INSTALLATION GUIDANCE

It prevents migration, ruts and mess, helping to cut down on maintenance.

Whether it's for a new build or a retrofit, X-Grid helps create long-lasting surfaces that meet today's drainage needs without the environmental cost of traditional materials.

Ideal for driveways, car parks, paths, event access and even grass reinforcement, it's also a perfect sub-base for resin bound surfacing.

It's available in black, white or green to deliver strong, stable surfaces without concrete or compromise.

### BENEFITS

100% Recycled Plastic

420+ tonnes per m<sup>2</sup>

High Loading Capacity

Fully Permeable SuDS Compliant

Frost & Weatherproof

Quick Interlock System

Can Be Cut To Fit Curves

Lightweight 5kg/M<sup>2</sup>

Durability of Up to 25 Years

## INSTALLATION COMPONENTS

**Existing Substrate**  
Check and prepare solid ground layer

**BullBase**  
Base reinforcement mesh grid

**MoT Type 3**  
Recycled stone with low fines content

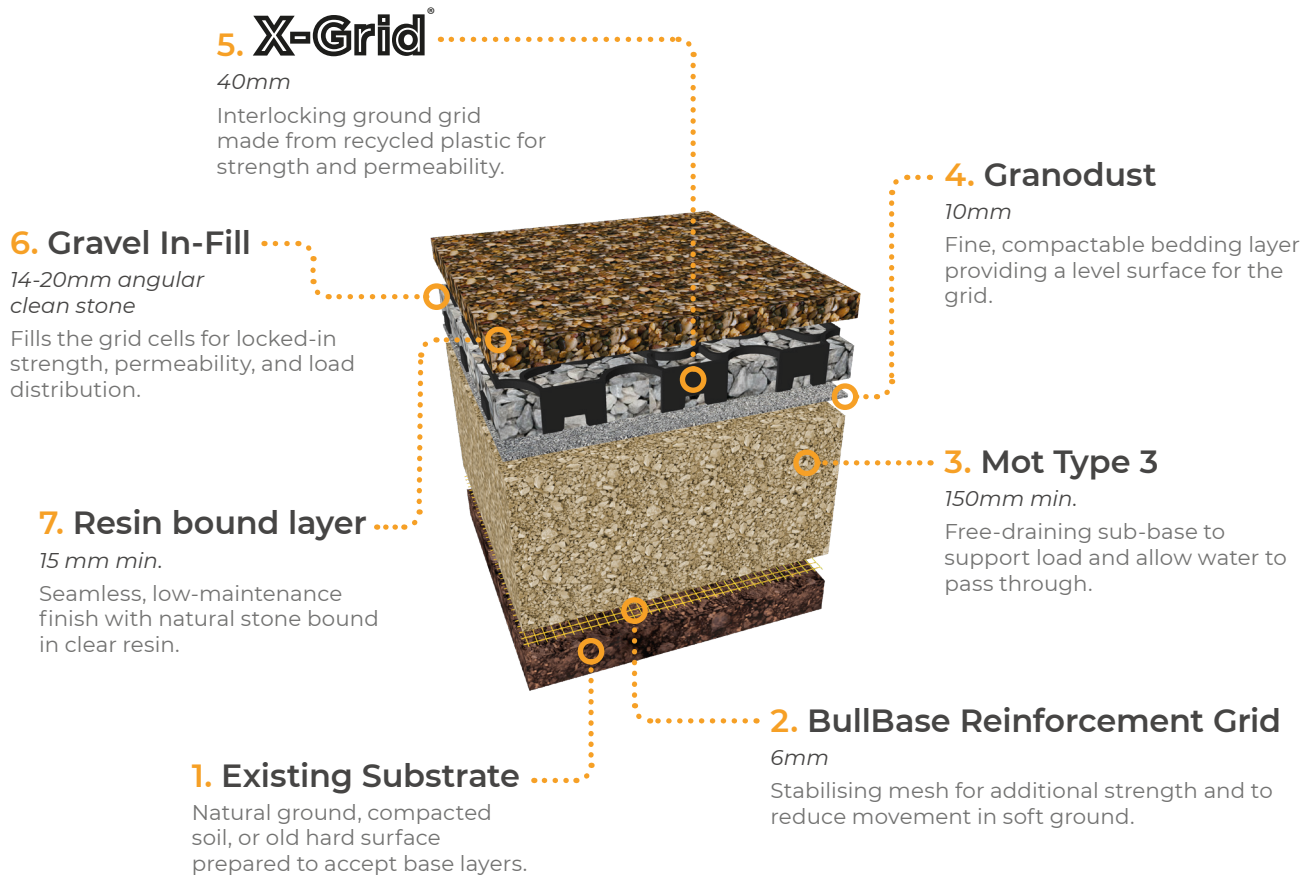
**Granodust**  
Coarse levelling aggregate

**X-Grid**  
Fast-fit surface reinforcement grid

**Gravel In-Fill**  
Decorative stone placed in X-Grid

**Resin Bound Kit**  
Aggregate and binder

## RECOMMENDED BUILD-UP



## INSTALLATION STEPS

### TOOLS REQUIRED

- ✓ Shovel or digger
- ✓ Rake
- ✓ Compactor plate or roller
- ✓ Spirit level
- ✓ Wheelbarrow

### 1. GROUND PREPARATION

**Excavate:** Dig to 100–250mm depending on expected traffic load.

**Install edge restraint:** Timber, steel, or plastic edging to retain surface and provide a clean edge.

**Lay sub-base:** Use MOT Type 3 aggregate, well compacted in layers.

- **Light use:** ~100mm
- **Driveways & cars:** ~150mm
- **Heavy use (vans etc):** ~250mm

**Add bedding layer:** Lay 10mm of compacted Granodust to create a smooth, level surface ready for the grid.

### 2. LAYING THE GRID

Lay X-Grid® directly onto the levelled and compacted sub-base. Interlock tiles using the slot & peg system. Use a handsaw to trim for edges or curves if needed.

### 3. FILLING THE GRID

**Gravel:** Use 14–20mm angular clean stone for best lock-in and permeability. Brush into the cells until full and level with the top of the grid. Check surface is even and stable before applying the next layer.

### 4. RESIN BOUND SURFACE

Apply a resin bound layer at a minimum 15mm depth over the filled grid. Trowel to a smooth, seamless finish. Ensure correct curing conditions (dry weather, surface temperature etc.). For a full resin bound install guide, refer to manufacturer instructions and consider a full PERMABOUND installer training.

### 4. MAINTENANCE

Check regularly and top up gravel if needed to keep the grid full. Resin bound surfaces should be swept to remove debris. Clean with suitable products to maintain appearance and permeability.



**X-GRID®  
REVIEW**

