

URBANGRAVEL[®]

Gravel stabilisation grid for urban areas



Watco URBANGRAVEL is a honeycombed grid without geotextile designed to consolidate and retain gravel. With a vertical resistance (filled) of 800 T/m² which equates to 40 full lorries, it's ideal for use in car parks, access roads and heavy traffic areas in industrial or commercial environments.

Easy to install, URBANGRAVEL has an intergrated and interlocking system, which prevents the tile from moving or separating. The surface is slip resistant and water permeable, ensuring a safe surface and excellent natural drainage.



Areas of use:

- Car parks
- Access roads
- Heavy traffic areas in industrial or commercial environments

Features:

- Excellent natural drainage - 100% water permeable
- Integrated anchoring and assembly system prevent grids from moving or separating
- Can be installed on slope with up to 15% incline for traffic areas
- Slip resistant
- Eliminates ruts and puddles
- Resistance to temperatures from -30°C to +60°C
- UV and frost resistant

Colours



Need help? Speak to the experts

Our dedicated and professional team are here to help you get the best results for your project. They will talk you through the preparation and application stages when using **URBANGRAVEL**.

Call our expert team on: 01483 418 418 (Weekdays 8:00am - 5:30pm. Saturday 9:00am - 12:00pm)



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Recommendations

- Do not use with hot mixed asphalt.
- Use protective glasses and safety gloves.

1 Site preparation

Where required, create edging or kerbs to form the desired shape, using a laser level to align the heights.
N.B.: Tiles can be cut using a hand or power tool to fit around kerbs or other obstacles.

2 Preparing the sub-base

- Excavate soil to the required depth from 40 to 70 cm according to the use. The depth of the subbase will vary depending on the use:
 - Carpark : from 40 to 50 cm.*
 - Trucks : from 60 to 70 cm.*
- *Values may be adjusted according to the nature of the soil.

- Compact with a vibrating plate.

N.B: It is important to check at least the load-bearing capacity of the soil and its permeability. Also check if the ground is prone to rising groundwater. We recommend that these important considerations are professionally assessed by means of a geotechnical survey carried out by structural engineers.

3 Laying the geotextile membrane

Lay a non-woven geotextile membrane of at least 120g/m² weight.

4 Draining foundation

- Lay a draining foundation layer of 40/80 crushed stone to 30-50 cm depth.
- Compact with a vibrating plate.

N.B: The drainage layer is optional. A drainage layer is recommended where:

- The sub-base is not permeable enough to absorb runoff water
- The sub-base is prone to rising groundwater.

This layer can act as a buffer, and should allow access water to drain away. In some situations, drainage can be improved by running pipes through the drainage layer.

5 Sub-base

- › On top of the draining foundation, lay a sub-base of mixed of crushed 0/31.5 gravel to a depth of 20-30 cm.
- › Compact with a vibrating plate.

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6 Levelling layer

Lay a levelling layer of 5 mm-to-dust to a depth of 1-4 cm. This layer provides a clean surface and corrects any variation in level.

7 Install URBANGRAVEL

- Lay the URBANGRAVEL[®] modules, and lock them together using the integrated clip system.
- Lay the 'male' module with the projecting tab towards you, and clip the slot of the 'female' tile over it.

8 Filling

- Fill the cells to the top using crushed aggregate graded to between 5 mm (min.) and 10 mm (max.).
- Spread the gravel evenly.

9 Laying on a slope

- Can be used on slope up to 15 % for driving areas.
- Use the 4 integrated anchoring pins.
- Cut the ties.
- Place the pins at the dedicated holes on the back of Urbangravel[®].

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Specification

Composition	Recycled polyethylene.
Finish	Grey or white. Cell structure: Hexagonal (honeycomb) / internal diameter 60mm.
Usage Interior/ Exterior	Exterior.
Suitable For	Car parks, heavy traffic areas.
Pack Size	Pallet of 104 parts / 23.2336 m ² per pallet / Tiles are assembled by 4 (stackable).
Coverage	Usable dimensions: 591 mm x 378 mm x 40mm Usable area: 0.2234m ² (4.4763 tiles per 1m ²) Overall dimensions: 600mm x 390mm x 40mm
Weight	0.890kg per tile.