

WATER MANAGEMENT
PRODUCT OVERVIEW

Wavin AquaGrid 40

Pervious Paving System



AquaGrid 40

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We see water management differently

Until recently, water has been taken for granted. Without worrying about the amount we use – or waste.

Now it's starting to matter how efficiently water is managed, and that's why Wavin is thinking differently. We've redefined our view of each application needed in the water cycle.

It helped us identify better ways to capture, control, convey and conserve water. To secure its supply and improve its usage and discharge. Innovations that can make a lasting difference.

With Wavin AquaGrid 40, we're helping to improve management of captured rain and stormwater. Contributing more directly to water conservation, and easing pressure on local mains drainage, by providing an alternative to impermeable surfaces.

Immediate capture and controlled release of surface water

Sustainable drainage. It means achieving and maintaining control of rain and surface water, particularly during extreme storm events, and ensuring its safe onward management.

Without it, there are significant risks. Local drainage infrastructure can quickly become overloaded. Flooding may follow, with damage to property and danger for residents. And the precious water may go to waste.

Avoiding the hard surface option

Continuing residential and commercial development means an increase in hard standing impermeable surfaces. The consequences are inevitable. Less ground where natural drainage is still possible. More rainfall to be managed by other means. And more pressure on traditional drainage.



Capturing rainwater at source is a vital element to good sustainable drainage design.

Enabling infiltration at source

Now there's a useful alternative to the hard surface option that provides an immediate and sustainable solution for any rain that falls on it - the AquaGrid 40 pervious paving system from Wavin.

The solution

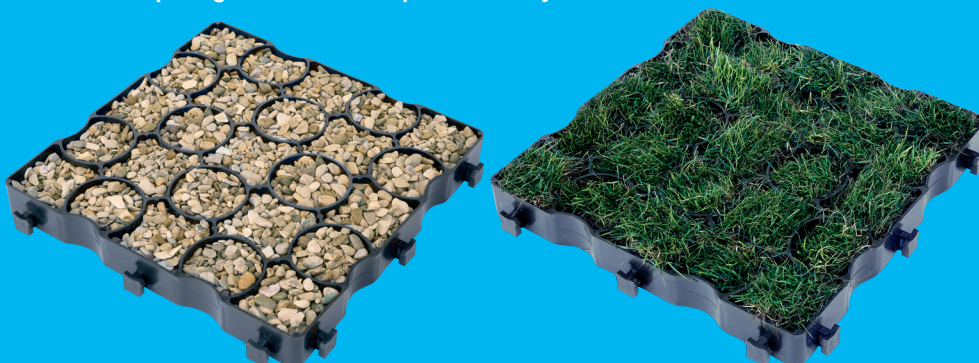
330 x 330mm (nominal) modular square sections of recycled plastic grid, designed to receive pervious infill material for surface water drainage.

Serving the need

For the capture and direct infiltration of rainfall, either into the underlying ground, or into an underground attenuation structure. Suitable for use on driveways and car parks (where a suitable sub-base has been installed) and for landscaped areas.

May be used in conjunction with AquaCell Stormwater Management Systems.

Pervious paving solution that is quick and easy to install.



AquaGrid 40 with gravel infill.

AquaGrid 40 with grass infill.

AquaGrid 40 units interlink together. No need for separate locking pins.



Delivering the difference

- ⌚ Lightweight, but strong and trafficable
- ⌚ Quick and very easy to install
- ⌚ Interlocking units to ensure full system stability and integrity
- ⌚ Up to 90% of surface area is available for water permeation through pervious infill: gravel or soil and grass
- ⌚ Made from recycled plastic
- ⌚ Tested for strength, loading and durability

Applications

- ⌚ Alternative to hard, impermeable surfacing
- ⌚ For use on driveways and car parks (where a suitable sub-base has been installed) and for landscaped areas
- ⌚ May be used in conjunction with AquaCell attenuation/infiltration structures

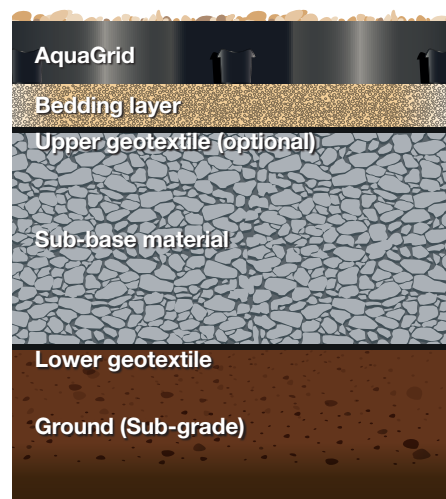
Bedding Specifications

AquaGrid 40 can be trafficked by cars, vans and vehicles up to 30,000kg (30 tonnes) including intermittent use by bin lorries, fire engines and emergency vehicles, when installed in accordance with the bedding specifications below:

| Product Specification | |
|---|--|
| Cat Code: | 0AG540 |
| SAP Code: | 3091261 |
| Nominal unit size: | 330mm x 330mm x 40mm |
| Colour: | Black |
| Weight: | 508g |
| Nominal grids per m²: | 9 |
| Material: | Recycled high density polyethylene |
| Axle weight loading: | 14 tonnes |
| Load bearing: | Up to 392 tonnes/m ² filled with gravel |
| Locking method: | Via interlocking lugs, no separate pins required |
| Pack qty: | 450 (1 pallet) |
| Pallet size: | 1200 x 1000 x 2100 |
| No. pallets/full load: | 26 |

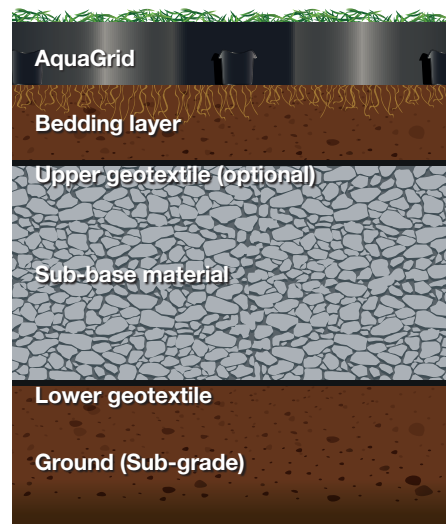
| Gravel | |
|---|---|
| Cell infill material | Clean, angular aggregate: 3-14mm particle size and in accordance with BS 7533-13 |
| Bedding layer | 20mm thick coarse sand or angular aggregate: 3-14mm particle size and in accordance with BS 7533-13 |
| Upper geotextile filter/separation layer (optional) | Non-woven geotextile: 1.1mm thick, 120g/m ² |
| Sub-base layer | 150mm thick DTp Type 3 open graded granular aggregate (assuming sub-grade CBR > 5%) |
| Lower geotextile filter/separation layer | Non-woven geotextile: 1.1mm thick, 120g/m ² |
| Sub-grade | Trimmed, lightly compacted and level |

Gravel infill



| Grass | |
|---|---|
| Cell infill material | 30mm thick grass seeded 60:40 sand/soil rootzone blend |
| Bedding layer | 50mm thick 60:40 sand/soil rootzone blend |
| Upper geotextile filter/separation layer (optional) | Non-woven geotextile: 1.1mm thick, 120g/m ² |
| Sub-base layer | 150mm thick DTp Type 3 open graded granular aggregate (assuming sub-grade CBR > 5%) |
| Lower geotextile filter/separation layer | Non-woven geotextile: 1.1mm thick, 120g/m ² |
| Sub-grade | Trimmed, lightly compacted and level |

Grass infill



Discover our broad portfolio at www.wavin.ie

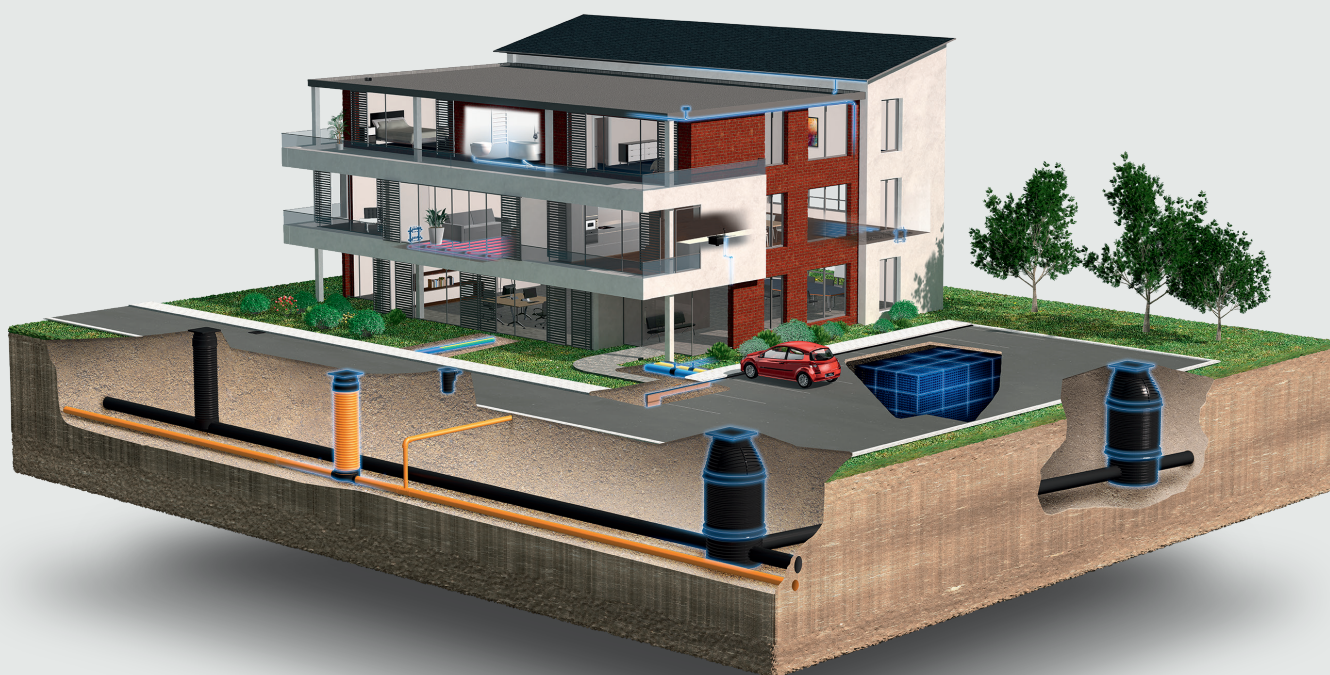
Water management

Plumbing and heating

Waste water drainage

Water and gas distribution

Datacom



Wavin is part of Orbia, a community of companies working together to tackle some of the world's most complex challenges. We are bound by a common purpose: To Advance Life Around the World.



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