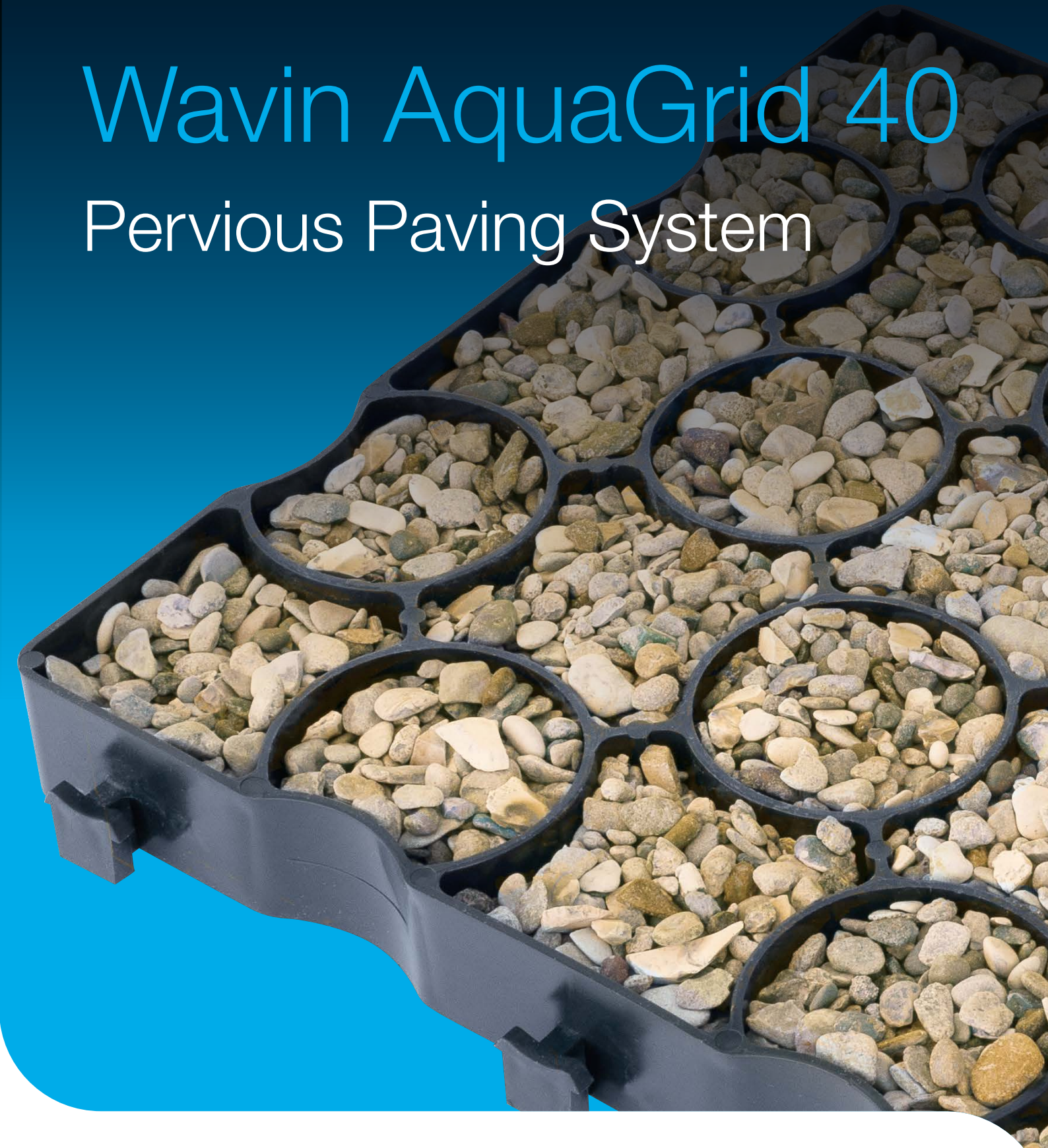
WATER MANAGEMENT
PRODUCT OVERVIEW

Wavin AquaGrid 40

Pervious Paving System



wavin

AquaGrid 40

Pervious Paving System

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 need 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 – AquaGrid 40 pervious paving system from Wavin.

The solution

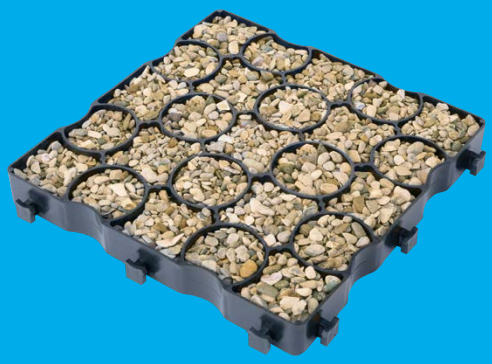
330 x 330mm (nominal) modular square sections of recycled plastic grid, designed to receive pervious infill material for surface water drainage.

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
- Contributing to Sustainable Drainage Systems (SUDS): supporting the aims of Part H of the Building Regulations

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

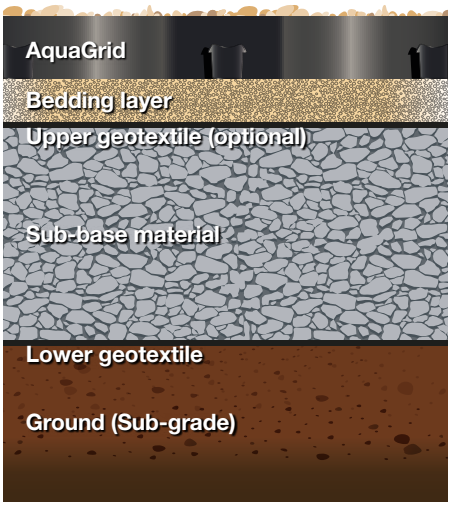
Bedding Specifications

AquaGrid 40 can be trafficked by cars, vans & the occasional bin lorry for example (vehicles up to 30,000kg GVW) 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/m² 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

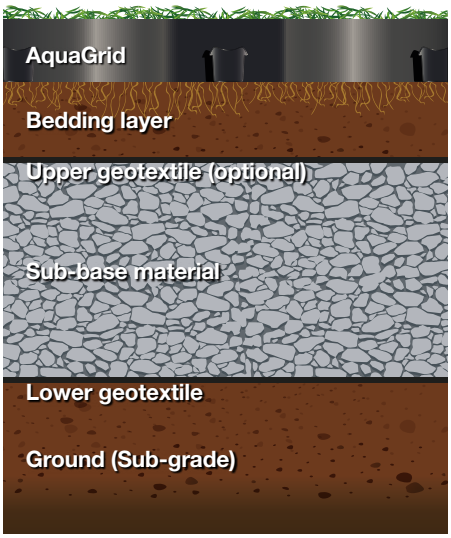
Gravel	
Cell infill material	Clean, angular aggregate: 3-14mm particle size and in accordance with BS 7533-13
Bedding layer	20mm thick Coarse sand or angular aggregate: 3-14mm particle size and in accordance with BS 7533-13
Upper geotextile filter/separation layer (optional)	Non-woven geotextile: 1.1mm thick, 120g/m²
Sub-base layer	150mm thick DTp Type 3 open graded granular aggregate (with CBR greater than 5%)
Lower geotextile filter/separation layer	Non-woven geotextile: 1.1mm thick, 120g/m²
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/m²
Sub-base layer	150mm thick DTp Type 3 open graded granular aggregate (with CBR greater than 5%)
Lower geotextile filter/separation layer	Non-woven geotextile: 1.1mm thick, 120g/m²
Sub-grade	Trimmed, lightly compacted and level

Grass infill



Discover our broad portfolio at www.wavin.co.uk

Water management
Water and gas distribution
Plumbing and heating
Datacom
Waste water drainage

orbia
Advancing life together

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.

wavin

Wavin Limited | Registered Office | Edlington Lane | Doncaster | DN12 1BY
Tel. 0844 856 5152 | www.wavin.co.uk | info@wavin.co.uk

AQG100 – October 2021