



R-PaveTM

The New Permeable Paving Solution

R-Pave™ The New Permeable Paving Solution

R-Pave™ permeable paver grid is the new recycled plastic sustainable drainage system (SUDS) compliant solution.

Using a patent pending design to avoid breakage problems on installation, R-Pave™ is a high performance, durable and virtually maintenance free solution for use with grass or gravel.



Introduction to R-Pave™

R-Pave™ is manufactured from 100% recycled polyolefins and provides a lightweight ground reinforcement system for grass and gravel stabilisation. This type of surface helps to reduce the risk of potholes, rutting or grass damage.

R-Pave™ has been designed to support healthy grass growth, providing a minimum of 3.2cm of available height to allow the grass sufficient height in which to grow.

The system design provides a lightweight strong structure making it easy and quick to install and suitable for a wide range of applications including paths, driveways, car parking areas and access routes.

Correctly installed R-Pave™ has been demonstrated to withstand up to 320 tonnes per square metre.

R-Pave™ offers unimpeded flow to surface water, reducing the rate of run off and potentially saving the costs of drainage installation. R-Pave™ can be effective in:

- Minimising water runoff quantity
- Improving water quality
- Providing clean water for biodiversity

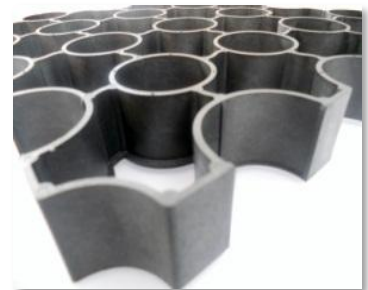
R-Pave™ porous paving grids are connected by a patent pending interference structure and installed on a porous base course. Their role is to transfer loads from the surface to the engineered course base below.

Benefits:

- Fully compliant with new planning requirements surrounding driveways to the front of properties.
- Environmentally Friendly
- Prevents erosion and wear on footpaths
- Interference connections create stronger inter-grid unions
- Strengthens grassed areas
- Minimal dimensional change due to temperature
- Resistant to water, corrosion and cracking
- Holds gravel and prevents rutting
- Strong geometric design ensures high compression strength

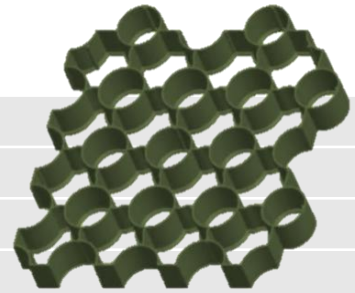
Applications:

- Green parking
- Emergency vehicle access
- Temporary and permanent roadways
- Quick fit shed bases
- Embankments
- Green roofs
- Driveways
- Tree beds
- Golf walkways
- Caravan Parking
- Ménages
- Hard standing



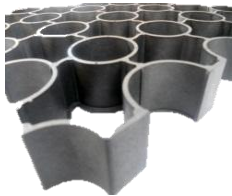


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Product Specification



Dimensions	33 cm x 33 cm x 4 cm
Wall thickness, Wall height	3 mm, 40 mm
Weight per tile	0.57 kg
Weight per m ² :	5,13 kg
Compressive strength:	Up to 10 t axle load in accordance with DIN 1072
Loadbearing capacity:	Up to 320 tonnes per square metre
Natural stability:	Temperature range -50°C up to 90°C
Dimensional changes:	Approx. 0,5 % (at a standard temperature +20°C up to 80°C)
Humidity absorption:	0,01 %
Environmental compatibility:	Harmless, groundwater neutral, weatherproof and UV resistant
Solubility:	Resistant against acid and leaching, alcohol, oil and petrol (strewing salt, ammonia, acid rain etc.)
Installation:	100 m ² per person per hour

R-Pave™ Types

(S)	(M)	(H)
100% recycled with no added colours	98% recycled with colourants to produce a green or black product	95% Recycled using segregated material to produce a consistent colour
		

Environmental Benefits

- SUDS compliant, R-Pave™ porous paving with grass or gravel can improve project ratings in accordance with BREEAM & the Code for Sustainable Homes
- When laid, R-Pave™ offers excellent water permeation through the surface. It reduces the potential for clogging compared to an in situ concrete paving system.
- Durable, non-rotting and weather resistant with an expected product life in excess of 10 years.
- The lightweight interlocking profile design enables ease and speed of installation. Optimal laying time is 100m² per person per hour onto a prepared base
- Load bearing capability at 250-320 tonnes/m², on a correctly specified and compacted sub-base
- Low maintenance & cost effective throughout product life
- NBS Specification support in accordance with Q23 for gravel surfacing or Q30 for seeding/turfing
- R-Pave™ conforms to Part M of the Building regulations and is Disability Discrimination Act compliant when it is correctly laid and maintained
- R-Pave™ is manufactured using 100% UK plastic waste™ and is fully recyclable at the end of its useful life

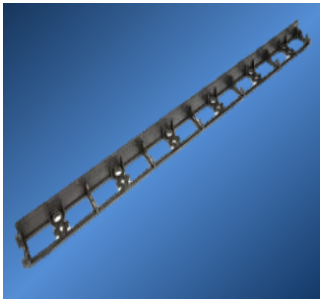
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Product Accessories

B-Gard™ Edge Restraint

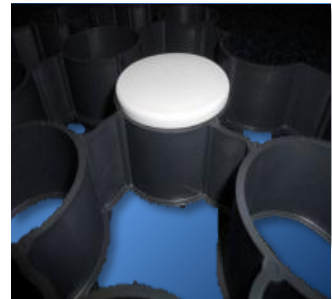
R-Pave™ utilises a patent pending design that uses interference connectors to ensure a strong lateral joint between each grid, removing the risk of connectors breaking during installation. It is necessary to include a substantial edge system when installing R-Pave™ permeable paving with grass or gravel finishes. The edge restraint needs to be sufficiently robust to withstand thermal expansion, vehicular movement, and prevent loss of laying course material. Typical examples of suitable edge restraints include kerbs, channels, existing structures, and rigid abutments such as securely fitter paving blocks.

B-Gard™ edging system to provide suitable edging restraint in areas where alternative support is missing. Made from recycled plastics the strip can be used for straight edges, curves and bends.



Delineators

R-Pave™ has been designed to accept a standard delineator which should be fitted before filling and can be bought in a variety of colours. These can be used to create white lines, shapes or words as required.



Technical Information

Please contact our technical sales team for further technical literature or advice:

- Specification & Installation guidance
- Product data sheets
- Case studies

Available to download online at www.captrad.com

- ✓ Grassed Surface installation
- ✓ Gravel Surface installation
- ✓ 'Reduced Dig' installation