



# RITE PAVE GROUND STABILISATION SYSTEM



# Introduction

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Any area of ground subject to pedestrian, animal or vehicular traffic is subject to erosion of some description, prevention of which requires some sort of surface reinforcement.

Traditionally, this has been done using concrete, tarmac, or block paving. If a reinforcement system of description is omitted, rutted, boggy, slippery, and unsightly conditions occur which can be dangerous for all means of traffic. Traditional solutions are not environmentally friendly and contribute to the growing problem of urban hot spots which cause concern to the ozone layer and carry the necessity for the implementation of extra drainage systems.

These problems apply not just to traffic areas but parking areas, temporary access routes and roof tops, all of which are contributing to rising temperatures and increasing flood risk zones.

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Another benefit of using porous surfaces is that they can greatly enhance the appearance of any area particularly when filled with decorative stone or plant growing medium for grass or sedum.

## The RITE PAVE Solution

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RITE PAVE reinforcement systems are designed for long term use, providing a porous substrate support system which holds earth, grass, or gravel.

This permeable coarse will significantly reduce heat reflection and help the sustainable urban drainage systems (SUDS).

Manufactured from 100% recycled HDPE, RITE PAVE products are designed to easily join to form a structure that can handle thermal expansion within itself. The design is also perfect for supporting health grass growth within the cell which keeps the finished installation looking good.

## Key Benefits

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- Environmentally friendly manufactured from 100% recycled materials helping keep waste plastics from landfill
- High load bearing capacity up to 350 tons/m<sup>2</sup>
- Ability to withstand thermal expansion
- Anti-slip top surface with raised pimples
- Excellent laying rates, up to 120m<sup>2</sup> per man hour
- Suitable for a wide range of applications
- Cost effective solution to traditional surfacing methods
- Tried and tested in Europe for many years
- Fully supports grass growth
- Prevents compaction of earth or gravel infill which assists better drainage
- Suitable for use as slope stabilisation product
- Easily transported
- Easily cut
- Can be used with a variety of infill materials such as gravel, stones, grass, bark chippings, sand, and rubber crumb

## Common Applications

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- Car parking areas temporary and permanent
- River side towpaths
- Embankment stabilisation
- Residential driveways
- Golf course pathways
- Caravan Hardstanding
- Helicopter landing pads
- Cycle routes



# Installation Guidelines

1. Mark out and excavate the area to the following depths depending on the application.

Project	Typical Depth
Patios, Garden Paths	75-100mm
Driveways, Public Footpaths	100-150mm
Heavy Uses	150-225mm
Highways	150mm+

2. Proceed to install the subbase material, compact the entire areas to be as level as possible using a vibrating plate or vibrating roller for larger projects.
3. A thin 40mm layer of sharp sand/soil mix can now be applied to the surface of the subbase.
4. Interlock and lay the paving modules, if you need to cut any measure prior to installation and where possible cut in a way to leave complete cells along the outer area edge. With the area completely laid and positioned correctly, the whole area can be lightly compacted.
5. Back fill the area with the medium. If using gravel, we recommend 10mm or less gravel, we would recommend using a 70/30 rootzone mixture which is a mix of topsoil and sharpsand. The cells should be filled to approximately 10mm below the top surface of the module.

Code	C528
Material	MDPE
Colour	Black or green
Module size	500x500 MMS
Module depth	40 MMS
Modules per SQM	4
Weight per module	1.4 KGS
Cell size	70 X70 MMS
Cells per SWM	196
Min wall thickness	3.2 MMS
Available area for infill	90%
Load capacity	350 TE/M2
Axel weight	14
Temperate range	-50 To + 65 DEGREES
Installation time	120 M2 per hour
Linear expansion rate	0.061 MMS/ METER/C
Max incline gradient under load	11 DEGREES
Min radius to ground contour	5.1 METERS
Meters per pallet	56 M2

## Notes

An optional weed suppressant membrane can be used on top of the sub base prior to the sand being installed this prevents weed growth and provides the grass seed with a better chance of survival but allows for natural drainage of rain water to the ground.