

BODPAVE™ 40

New & improved interlocking porous plastic paving system for grass and ground reinforcement applications



Contents

1. About Terram
2. Porous Paving Systems - Problems & Solutions
3. New Bodpave™ 40 - Porous Paving Grid System
 - Applications
 - SUDS – Source Control
 - Sustainability
4. Bodgrid™ - Geocomposite



Industry leader with *Over 50 years of experience*

At Terram we strive to provide a unique range of value engineered solutions that are extensively used in civil engineering and building due to their many benefits.

Our commitment to research and development, along with quality manufacturing, has resulted in a line of products known for their outstanding safety, durability and performance. Because of this commitment, TERRAM is the most trusted brand in the industry and our products have been instrumental in geosynthetics solutions throughout these 50 years.

Our Values



Partnership



Excellence



Growth



Innovation

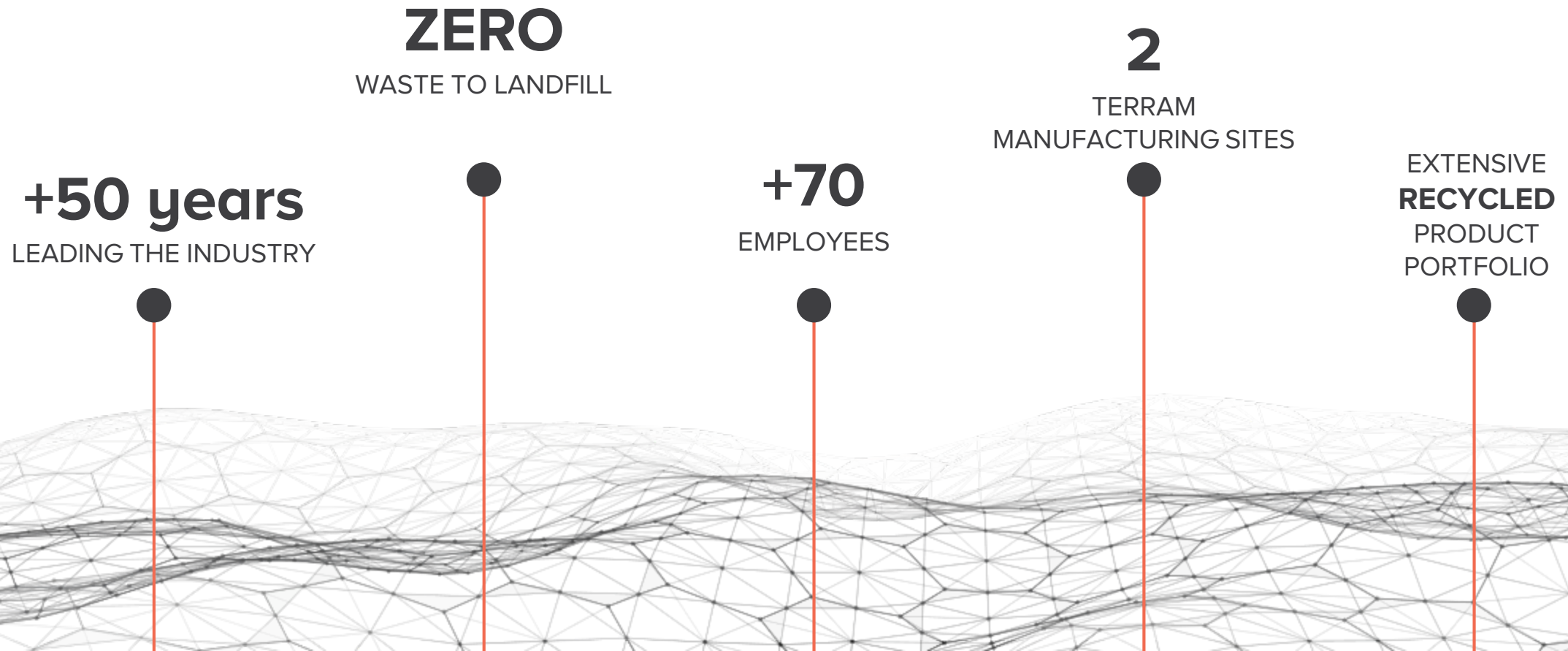


Sustainability



TERRAM *at a glance*

A brand of Berry Global



Porous Paving Systems

Problems & Solutions

PROBLEMS

Common problems

- Without a paving system the ground is liable to deteriorate especially in poor weather conditions
- Lack of correct planning can cause deterioration of roads and driveways
- Lack of sufficient natural drainage solutions can lead to increased flood risk

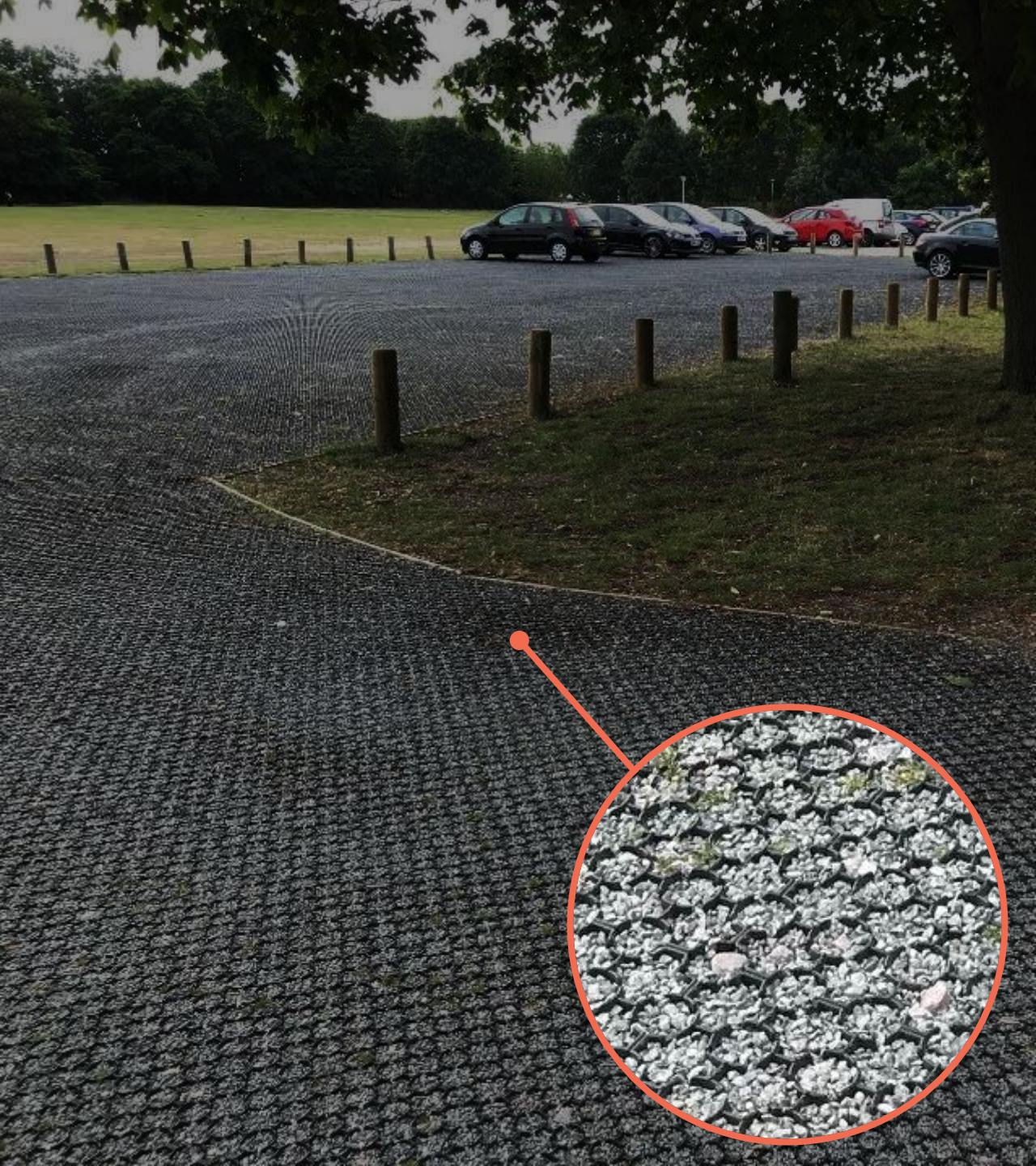
Traditional methods

- Cause surface water run off, removing natural drainage. In cities up to 90% of surface water is directed to drains rather than surface drainage causing high peaks and overflow of drainage systems
- May require landscaping of a large surrounding area, which can be costly and unnecessary

Other plastic paving systems

- Many porous plastic pavers may come apart over time: 5-10% of 40mm paver projects often need areas relaying due to connection failures





SOLUTIONS

Benefits of using Bodpave™ 40

- Market leading connection strength
- Improved stability of low-load bearing unpaved ground
- Ground resistance for pedestrian and vehicle trafficking requirements
- Natural and discrete appearance for grassed and gravel applications
- Bodpave provides a quick and cost effective solution to maintain natural drainage but with stability and confidence that the area will withstand all round weather conditions
- Natural surface drainage has been proven to have a significant effect in reducing surface run off and surges in drainages systems

Bodpave™ 40

*100% Recycled Plastic Porous Paving System
for Grass & Gravel Applications*



NEW Bodpave™ 40

New & improved design based on Bodpave™ 85

The new and improved Bodpave™ 40 is an interlocking plastic porous paving system for grass and ground reinforcement. Designed for applications where there is **regular pedestrian or vehicle use**, made from **100% recycled plastic**.

The improved design, based upon Bodpave™ 85, incorporates 4 pre-clipped pavers with **250% stronger connections**, that help **reduce installation time by 25%**.

The product is not only stronger, it is also better at transferring loads, reducing connection failures and lifting risks. All of this results in **improved durability**, ensuring less failures and a longer service life.

NEW Bodpave™ 40

Features & Benefits



+250% Stronger Connections

Increased strength combined with more efficient transfer of load between pavers, ensures it does not lift as easily and provides a longer service life.



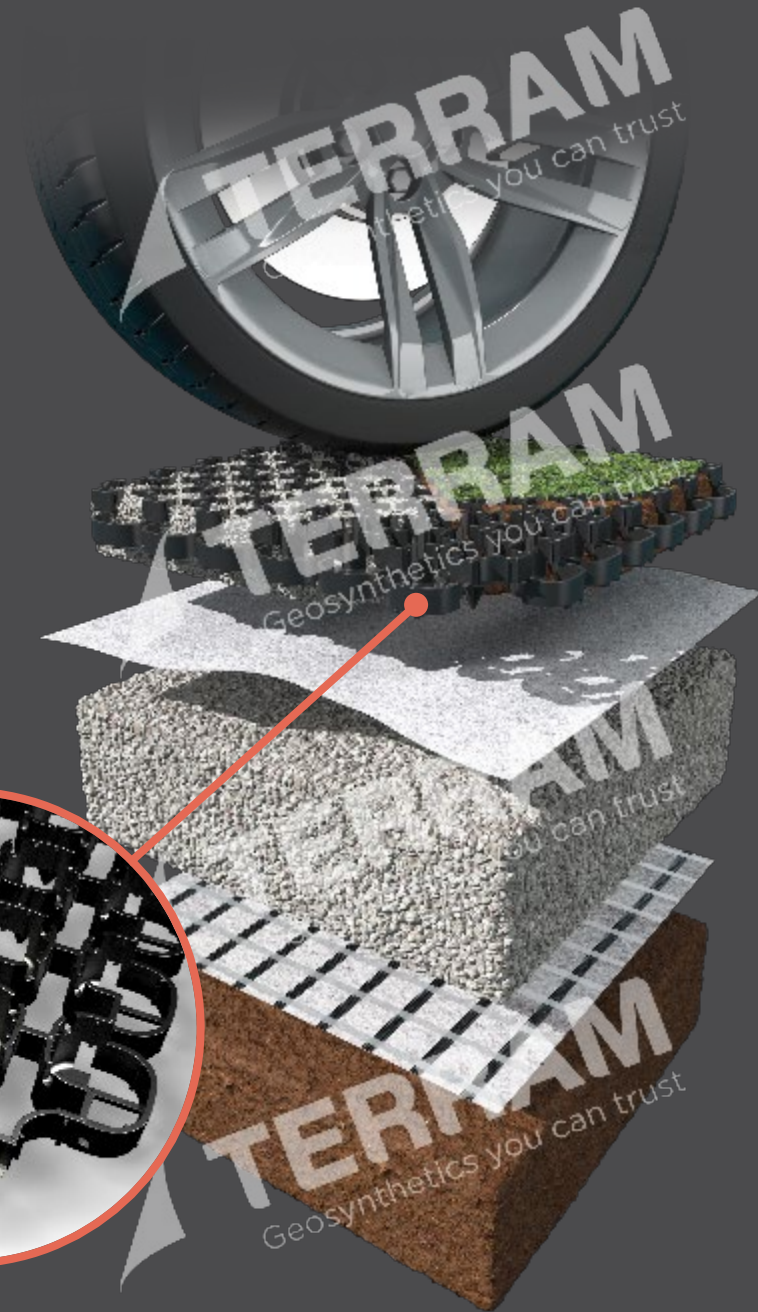
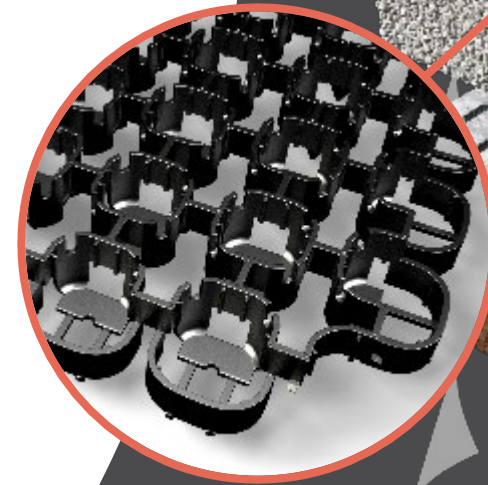
+25% Faster Installation

For a typical Bodpave40 project this will result in a saving of £2k** in labour alone.



100% Recycled & up to 50% Lower CO² Footprint

Low impact solution that can help transition to a circular economy. By transporting less weight and natural resources Bodpave 40 is creating a lower impact on the planet.



250% Stronger Connections

4 pre-clipped pavers with fully interlocking connections

- 24 ground spikes
- 36 overlapping loop and snap fit clips



Bodpave™ 40

Product Specifications

| TERRAM Prt. No. | Product Name | Colour | Size | Coverage | Weight (Nominal) | Quantity/Pack |
|--------------------|-----------------|---------|---------------------------|-------------|---------------------|-------------------|
| 151516 | Bodpave™ 40 | Black | 500mm x 500mm x 40mm* | 4 units/SQM | 4.4kg/SQM | 60SQM (240 units) |
| 113804 | Bodpave™ 40 | Green** | 500mm x 500mm x 40mm* | 4 units/SQM | 4.4kg/SQM | 60SQM (240 units) |
| 123759 | BP40 Markers | White | 48mm diameter x 32mm deep | n/a | 1.5kg/box | 100 pieces/box |

| TERRAM Prt. No. | Product Name | Composition | Compressive Strength** | Connection/Joint Strength*** |
|--------------------|--------------|-----------------------|---------------------------|---------------------------------|
| 151516 | Bodpave™ 40 | 100% Recycled plastic | <250 tonnes/SQM | 7kN/m |
| 113804 | Bodpave™ 40 | 100% Recycled plastic | <250 tonnes/SQM | 7kN/m |
| 123759 | BP40 Markers | Plastic | n/a | n/a |

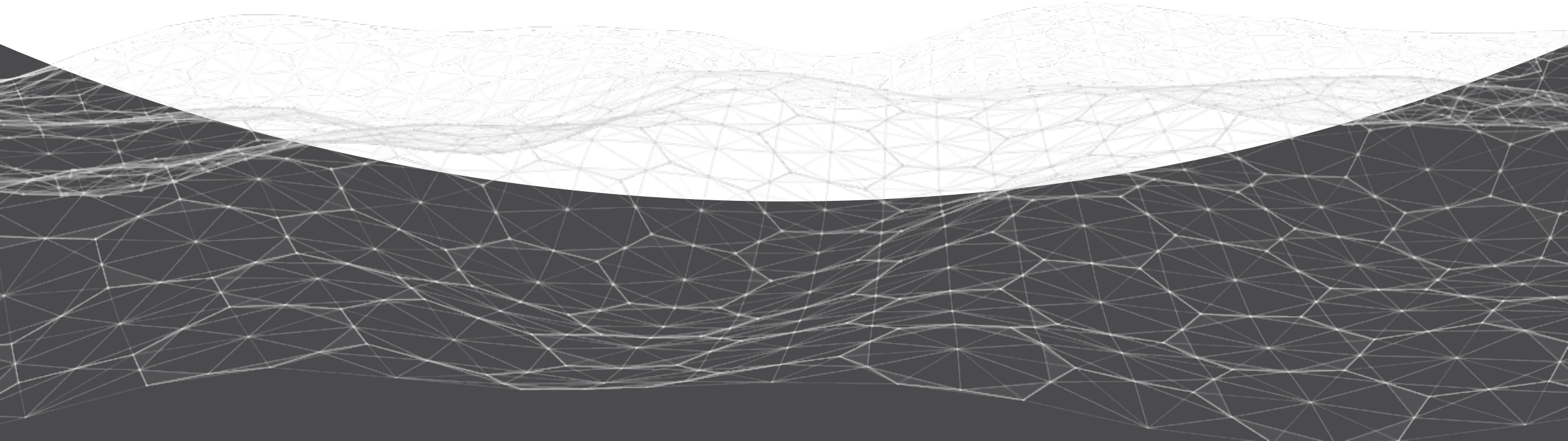
*Plus 20mm ground spike

**Bodpave™ 40 Green is a made to order product. Please enquire for pricing and lead times.

***Compression testing undertaken when units are filled with aggregate.

***Connection/joint testing of unfilled units.

Applications





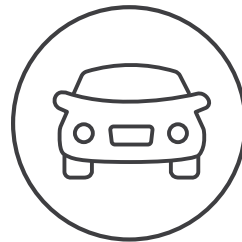
Applications

Recommended for Bodpave™ 40

With decades of experience and hundreds of successful project Installations, Terram Bodpave™ is the original interlocking cellular porous plastic paving grid system for ground reinforcement which can be installed with either a grass or gravel filled surface.

Bodpave™ 40 is designed for areas with regular traffic and vehicle use. The 24 snap fit connections per paver give excellent lateral transfer of dynamic traffic loads.

Loading





BODPAVE™ 40

Applications

For areas of regular traffic and vehicle use.



Car and light vehicle parks



Overflow grass car parks



Walkways, disabled access routes and buggy paths



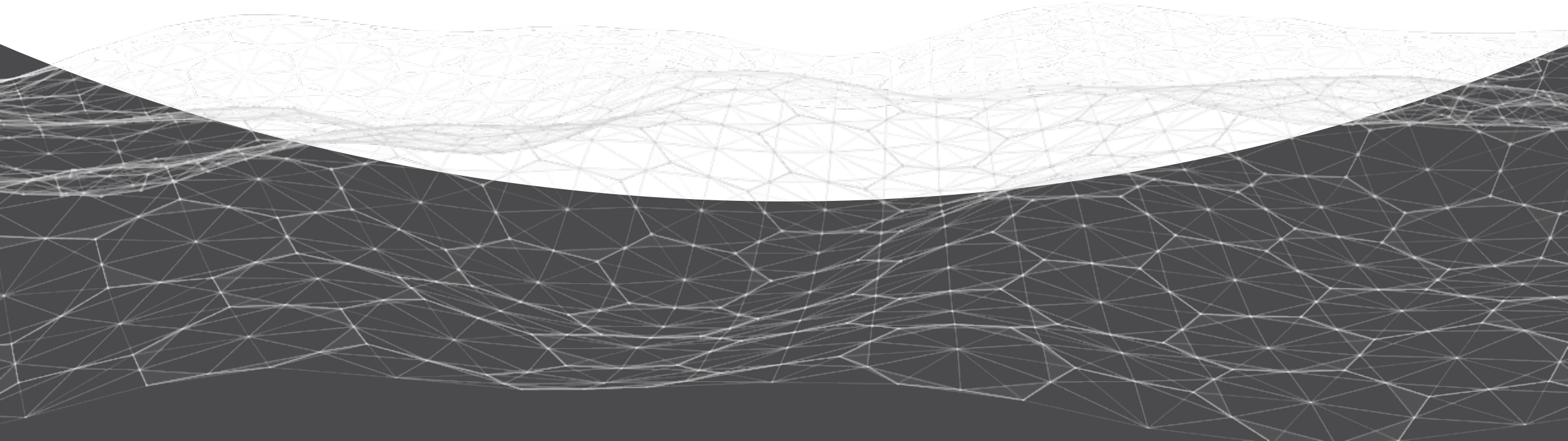
Driveways and residential lawn parking



Sustainable Urban Drainage Solutions

SUDS Source Control

Sustainable Urban Drainage Systems





SUDS

Sustainable Urban Drainage Systems (SUDS) are a collection of water management practices that aim to align modern drainage systems with natural water processes.

SUDS contribute to sustainable development and improve the spaces where we live by balancing the different opportunities and challenges that influence urban design and the development of communities.

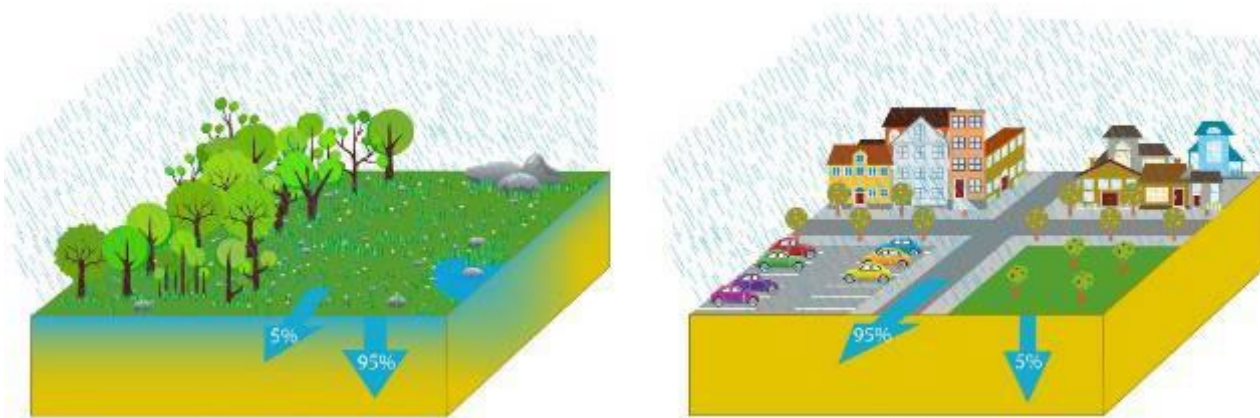
Management practices, control structures and strategies designed to efficiently and sustainably drain surface water, while minimising pollution and managing the impact on water quality of local water bodies.

Sustainable Urban Drainage Systems (SUDS)

Benefits of using Bodpave™ 40

When a natural environment is developed, an important part of the surfaces became impervious, altering the natural water cycle and producing large volumes of runoff and higher peak flow. Preventing rain from infiltrating the ground and recharge aquifers, and polluting water.

SUDS allow to **replicate as closely as possible the natural drainage** from a site before development. They allow to **collect, transport, treat, retain, infiltrate and drain rainwater in a sustainable way.**



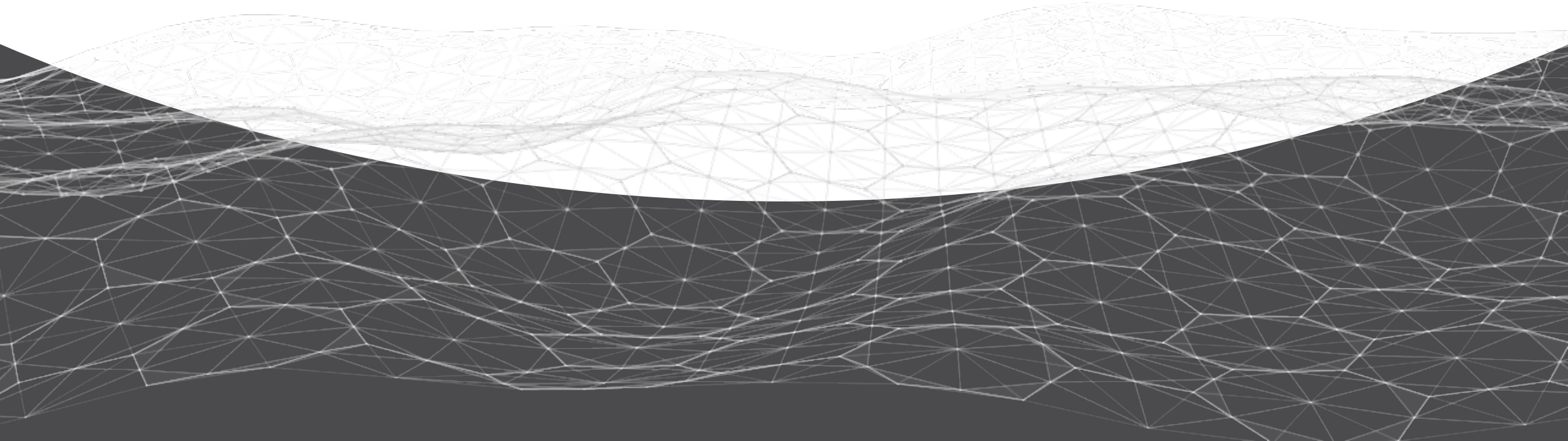
Before

After



Sustainability

100% Recycled & Recyclable Plastic





**100%
RECYCLED &
RECYCLABLE PLASTIC**

A Low Impact Solution

Bodpave™ 40 is manufactured with 100% recycled plastic, and can be recycled afterwards. Bodpave™ 40 is a low impact solution that can help transition to a circular economy

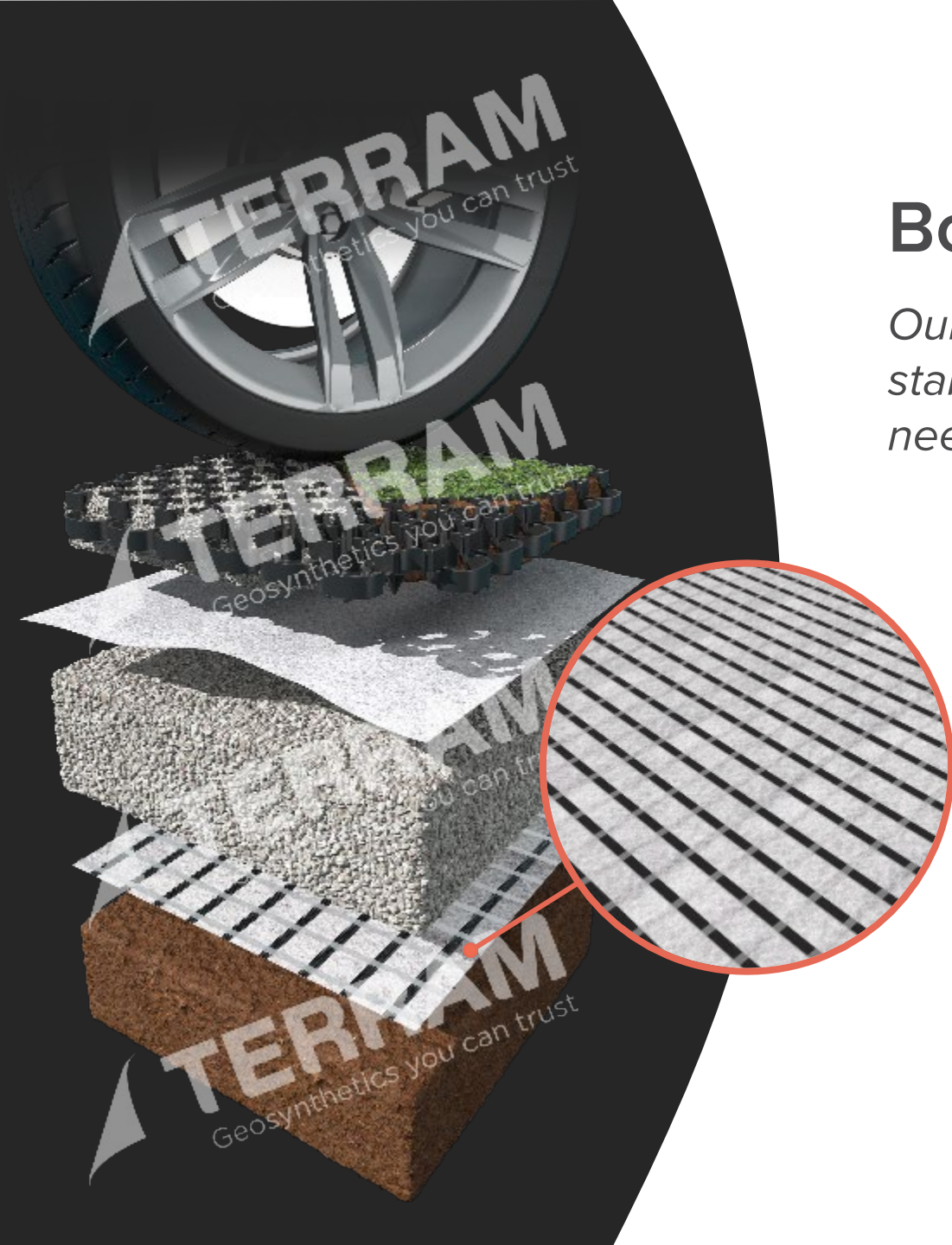
By transporting less weight and natural resources Bodpave™ 40 is creating a lower impact on the planet; with a reduced up to 50% carbon footprint* compared to traditional construction methods.



*Versus traditional construction methods. Based on a project size of 6k m2.

Bodgrid™

*Geocomposite layer designed for use
with Bodpave™ 40 porous paving system.*

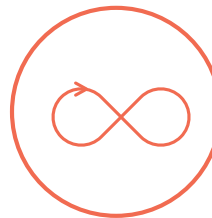


Bodgrid™

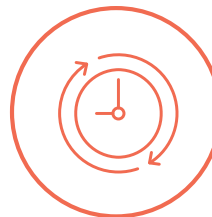
Our new geocomposite consisting of a stiff biaxial soil stabilising geogrid thermally bonded to a nonwoven needle punched Terram geotextile filter and separator.



Single layer enables **reduced installation time and costs by 50%** versus alternative solutions

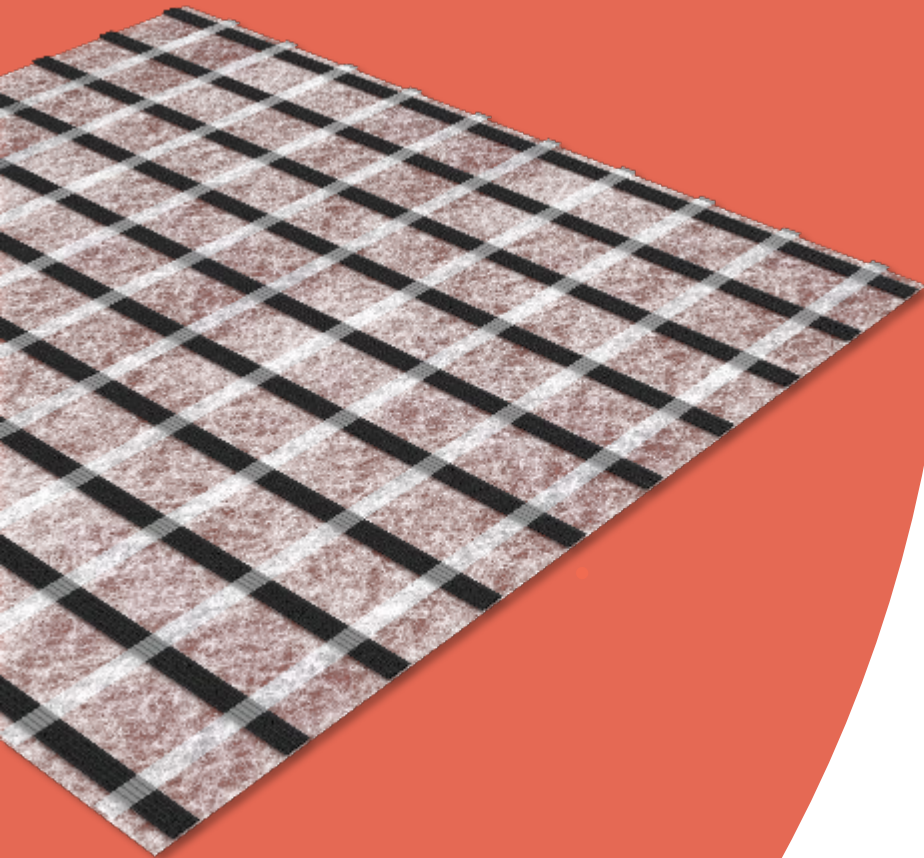


Reduce sub-base thickness and **extends design life**



Long term **durability** in all soil types

**50% Reduced
Installation Time**



Bodgrid™

Product Specifications

| TERRAM Prt. No. | Product Name | Colour | Size | Coverage | Weight (Nominal) | Quantity/Pack |
|--------------------|-----------------|--------|------------|----------|---------------------|-----------------|
| 172641 | Bodgrid™ GC30 | - | 4.8m x 50m | n/a | 96kg | 1 Roll |
| - | Bodgrid™ GC30 | | 4.8m x 50m | n/a | 875kg | Frame (9 rolls) |

| TERRAM Prt. No. | Product Name | Composition | Tensile Strength | Geogrid Aperture |
|--------------------|-----------------|-----------------------------|---------------------|---------------------|
| 172641 | Bodgrid™ GC30 | Terram T1300 + Geogrid (PP) | 30kN # | 37mm x 40mm |
| - | Bodgrid™ GC30 | Terram T1300 + Geogrid (PP) | 30kN # | 37mm x 40mm |

Cross direction and machine direction

Thank you

How else can we help? Get in touch with us



+44 (0) 1621 874200



info@terram.com



www.terram.com

Follow Terram on **LinkedIn**