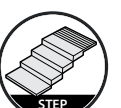


Range	Finish	Plan Size Smallest to largest plan sizes per range				Colours
Drivesys®	Flamed	Mixed size pack (only) 210 x 140 210 x 170 210 x 210 210 x 250 210 x 280				<div>Blue Pennant</div>
<div>Conservation X</div> <div></div>	Smooth	400 x 400 x 50 400 x 400 x 65 450 x 450 x 50 450 x 450 x 70	600 x 200 x 50 600 x 600 x 50	900 x 300 x 50 900 x 600 x 50		<div>Silver Grey - Smooth</div> <div>Charcoal - Smooth</div> <div>Cream - Smooth</div> <div>Blue Grey - Smooth</div>
	Skimmed	400 x 400 x 50 400 x 400 x 65 450 x 450 x 50 450 x 450 x 70	600 x 200 x 50 600 x 600 x 50	900 x 300 x 50 900 x 600 x 50		<div>Silver Grey - Skimmed</div> <div>Charcoal - Skimmed</div> <div>Cream - Skimmed</div> <div>Blue Grey - Skimmed</div>
	Textured	400 x 400 x 50 400 x 400 x 65 450 x 450 x 50 450 x 450 x 70	600 x 200 x 50 600 x 600 x 50	900 x 300 x 50 900 x 600 x 50		<div>Silver Grey - Textured</div> <div>Charcoal - Textured</div> <div>Cream - Textured</div> <div>Blue Grey - Textured</div>
	Textured Riven	160 x 120 x 60 160 x 120 x 80	160 x 160 x 60 160 x 160 x 80	240 x 160 x 60 240 x 160 x 80		<div>Silver Grey - Textured Riven</div> <div>Charcoal - Textured Riven</div> <div>Cream - Textured Riven</div>
<div>Modal</div> <div></div>	Smooth	300 x 200 x 80	400 x 300 x 80	600 x 300 x 80		<div>Light Granite - Smooth</div> <div>Oatmeal Granite - Smooth</div> <div>Charcoal Grey Granite - Smooth</div> <div>Mid Grey Granite - Smooth</div> <div>Silver Grey Granite - Smooth</div>
	Textured	200 x 100 x 80 200 x 200 x 80	300 x 100 x 80 300 x 200 x 80 300 x 300 x 80	400 x 200 x 80 400 x 300 x 80 400 x 400 x 80	600 x 200 x 80 600 x 300 x 80 600 x 600 x 80	<div>Light Granite - Textured</div> <div>Oatmeal Granite - Textured</div> <div>Charcoal Grey Granite - Textured</div> <div>Mid Grey Granite - Textured</div> <div>Silver Grey Granite - Textured</div> <div>Indian Granite - Textured</div> <div>Blush Granite - Textured</div> <div>Anthracite Granite - Textured</div> <div>Light Cream Granite - Textured</div> <div>Mauve Granite - Textured</div>
<div>Perfecta</div> <div></div>	Smooth Ground	400 x 400 x 50 400 x 400 x 65 450 x 450 x 50 450 x 450 x 70	600 x 450 x 50 600 x 450 x 63 600 x 600 x 50 600 x 600 x 63			<div>Natural</div> <div>Buff</div>
<div>Saxon</div> <div></div>	Textured	400 x 400 x 50 400 x 400 x 65 450 x 450 x 50 450 x 450 x 70	600 x 450 x 50 600 x 450 x 63	600 x 600 x 50 900 x 300 x 50 900 x 600 x 50		<div>Natural</div> <div>Buff</div> <div>Charcoal</div>
<div>Myriad</div> <div></div>	Textured	200 x 100 x 80	200 x 300 x 80 600 x 200 x 80			<div>Sunlight</div> <div>Moonlight</div> <div>Morning Light</div> <div>Twilight</div> <div>Midnight</div>
Organa / Rivero	Textured Riven	450 x 450 x 50 450 x 450 x 70	600 x 600 x 50			<div>Cotton</div> <div>Linen</div> <div>Hessian</div> <div>Urban Silver</div> <div>Dark Pewter</div>
<div>Tegula</div> <div></div>	Aged	80 x 80 x 60	160 x 120 x 60 160 x 120 x 80 160 x 160 x 60 160 x 160 x 80	240 x 160 x 60 240 x 160 x 80 240 x 240 x 80 240 x 320 x 80		<div>Traditional</div> <div>Burnt Ochre</div> <div>Harvest</div> <div>Pennant Grey</div> <div>Charcoal</div>
<div>Coppice Priora</div> <div></div>	Lightly Riven	240 x 160 x 80				<div>Oak Blend</div> <div>Cedar Blend</div> <div>Pennant Blend</div>
<div>Keyblok</div> <div></div>	Standard	200 x 100 x 60 200 x 100 x 80				<div>Charcoal</div> <div>Brindle</div> <div>Bracken</div> <div>Burnt Ochre</div> <div>Natural</div> <div>Charcoal Vintage</div> <div>Brindle Vintage</div> <div>Bracken Vintage</div> <div>Burnt Ochre Vintage</div> <div>Natural Pencil Edge</div> <div>Charcoal Pencil Edge</div> <div>Brindle Pencil Edge</div> <div>Bracken Pencil Edge</div> <div>Buff</div>
	Textured	450 x 450 x 35	600 x 300 x 35	600 x 600 x 35		<div>Natural - Textured</div> <div>Buff - Textured</div> <div>Charcoal - Textured</div>
	Riven	450 x 450 x 38 450 x 450 x 50	600 x 300 x 38	600 x 600 x 38 600 x 600 x 50		<div>Natural - Riven</div> <div>Buff - Riven</div> <div>Charcoal - Riven</div>
<div>Standard</div> <div></div>	Pimple	400 x 400 x 50 400 x 400 x 65 450 x 450 x 50 450 x 450 x 70	600 x 300 x 50 600 x 300 x 63 600 x 450 x 50 600 x 450 x 63	600 x 600 x 50 600 x 600 x 63 600 x 750 x 50 600 x 750 x 63	900 x 300 x 50 900 x 600 x 50 900 x 600 x 63	<div>Natural</div> <div>Buff</div> <div>Red</div> <div>Charcoal</div>

For further information on the concrete paving ranges featured in this guide please visit:

[www.marshalls.co.uk/commercial/paving](http://www.marshalls.co.uk/commercial/paving)





# PAVING GUIDE



**Marshalls**

*Creating Better Spaces*



## Accessories & Ancillaries

Our extensive range of accessories and ancillaries are designed to provide physical or visual delineation, separate surfaces, reduce maintenance and create containment of your pavement construction.



### Kerbs

Every kerb has a function to fulfil – Marshalls offer an extensive range of functional units, including British Standard kerbs and specialist kerb systems, which are designed to deal with heavy impact whilst providing a safety barrier for pedestrians and vehicles. We also offer a wide range of aesthetic kerbs to enable a high-quality finish that is full of character, without compromising on durability.

Please visit Marshalls Kerb page to discover our full ranges  
[www.marshalls.co.uk/commercial/kerb](http://www.marshalls.co.uk/commercial/kerb)



### Pedestals for Roof Decks and Balconies

To make paving balconies and roof decks easy for our customers, Marshalls have a suite of pedestals and accessories to support our range of concrete, porcelain and natural stone paving products. These post-supports create a structurally robust 'floating floor' system that can be easily lifted or re-laid at the end of the pavement's life.

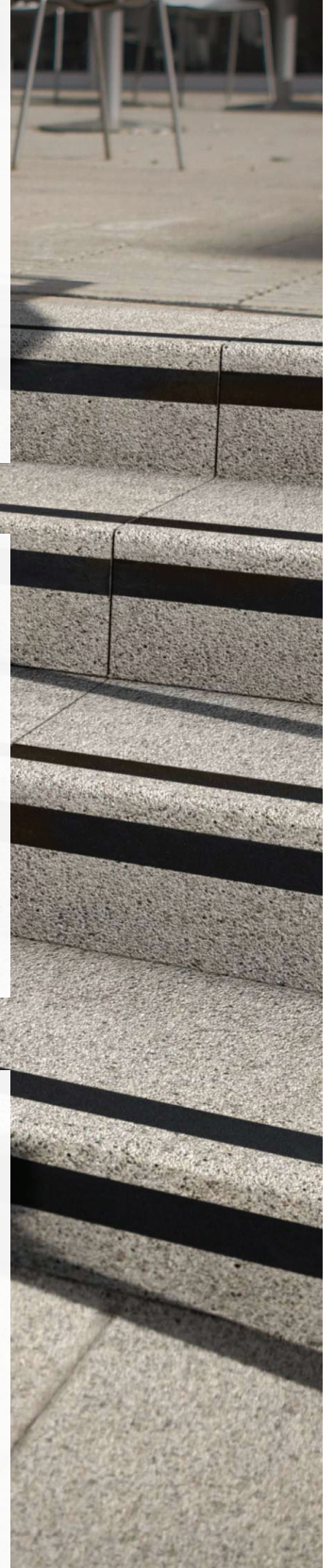
For more information please visit  
[www.marshalls.co.uk/commercial/pedestals](http://www.marshalls.co.uk/commercial/pedestals)



### Steps

To ensure a seamless aesthetic, we offer a variety of easy-install concrete step solutions that complement our most popular paving ranges. Whether you require single solid step units or step-treads and risers, our step range comes in a number of finishes and sizes. We're happy to also provide a bespoke step solution and can discuss your requirements on an individual basis.

Please visit Marshalls Step page to discover our ranges  
[www.marshalls.co.uk/commercial/paving/steps](http://www.marshalls.co.uk/commercial/paving/steps)





# LOADING REQUIREMENTS

## How do I determine the Loading Requirement?

For the surface to perform for years to come, it is vital to consider what kind of loading the area will be subjected to during its lifetime and whether your construction will be rigid or flexible.

The British standard has six loading categories, and in 2011 **Marshalls** recognised that these weren't appropriate for common schemes. We worked with world-renowned structural engineer, John Knapton, to define 11 different loading categories, meaning your design could be even more prescriptive than ever before and is less likely to be over-engineered.



## MARSHALLS LOADING CATEGORIES



CAT 1  
Pedestrian and Domestic Driveways



CAT 2  
Car and Light Vans



CAT 3  
Traffic up to 7.5 tonnes



CAT 4  
Emergency Large Goods Vehicles only (100 standard axles cumulative)



CAT 5  
One Large Goods Vehicle per week (0.015 msa)



CAT 6  
Ten Large Goods Vehicles per week (0.15 msa)



CAT 7  
100 Large Goods Vehicles per week



CAT 8  
1.5 to 4 msa



CAT 9  
4 to 8 msa



CAT 10  
1000 Large Goods Vehicles per week (8-12 msa)



CAT 11  
Heavy Duty Pavements for Ports and similar industries

designteam  
Marshalls

Your sub-base and loading requirements are directly linked and will determine the longevity of your installed system. To understand what's needed for your design, contact the **Marshalls Design Team** and tell us your choice of paving product, what loading it will be subjected to and the ground conditions on site. With this information, our team can help you avoid over-engineering your system (saving you time and money) as well as suggesting the most appropriate sub-base design that's covered by our design warranty when installed with our products.

Email [design.team@marshalls.co.uk](mailto:design.team@marshalls.co.uk) to find out how we can provide you with the best sub-base design to suit your requirements.



# designnteam



## DESIGN TEAM

The **Marshalls Design Team** are a committed group of enthusiastic experts who can share their knowledge and experience to help bring your vision to life.

Whether you need a full suite of technical advice or just some additional knowledge to complement your own in-house capability, they can offer as much or as little support as you need, whenever you need it.

**Best of all, these services are free of charge to Marshalls customers.**

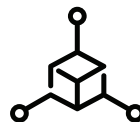
Email [design.team@marshalls.co.uk](mailto:design.team@marshalls.co.uk) to find out how you can save time, money and carbon on your next project.



PAVEMENT ENGINEERING



NATURAL STONE DESIGN



BIM MODELS



VISUALISATION



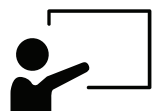
PERMEABLE PAVING DESIGN



DRAINAGE



DESIGN TOOLS



CPD





## CONCRETE PAVING

Concrete paving technology has come a long way from standard sizes and colours, and **Marshall's** have decades of experience producing a wide range of concrete options that are not only robust and durable, but vary in styles and designs that deliver long-lasting quality.

**Marshall's** are a member of Made in Britain and 100% of all our manufactured commercial ranges are made in Mainland Britain\* using high-quality equipment and materials. With our multiple UK-based manufacturing sites and large delivery fleet, it means we have great availability and deliverability on all of our concrete ranges, as well as a lower carbon footprint compared to imported products.

With multiple sizes, depths, textures, colours, designs, permeable options and ancillaries to choose from, we have a great number of hard-wearing concrete options to suit any budget and style.

Visit [www.marshall's.co.uk](http://www.marshall's.co.uk) to view our case studies, request a quote, order a sample or track your delivery. If you need any specific help on a project, you can contact us through the website or call

**0345 302 0600.**

\*Based on 2020 figures and covers UK-based Marshall's businesses



Samples



Delivery tracking



Quotes







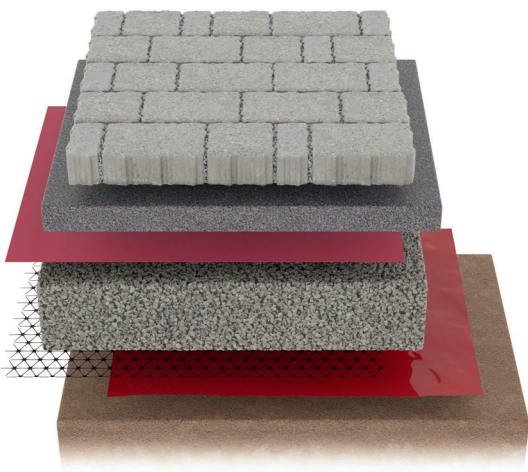
## WATER MANAGEMENT

There are many techniques you can use to manage surface water, each of which offer different advantages.

**Marshalls** offers a wide range of water management solutions ranging from permeable paving SuDS systems through to robust, high capacity underground tanks.

In addition, our team recognises the importance of Green Infrastructure for the multiple benefits it brings.

This means that we're unique in the way we can offer the best solution for your scheme, blending a variety of different products and techniques to balance performance, aesthetic and cost.



### Marshalls Water Management solutions:

- Our linear drainage range has been organised into simple categories of hydraulic capacity and loading requirements – leaving you free to select the right aesthetic for your drainage project.
- The long-trusted Beany Block system combines the traditional aesthetic of a kerb with a high-flow channel system, saving both time and money.
- Our market-leading Piora range offers excellent SuDS performance, managing water run-off at the source to improve water quality as well as removing excess surface water.
- Driveline Drain® is our patented and innovative concrete drainage system, which is designed to help reduce the risk of flooding and surface water on domestic schemes.

Visit our full Water Management range at  
[www.marshalls.co.uk/watermanagement](http://www.marshalls.co.uk/watermanagement)





## PAVING DESIGN

**Marshalls** have years of experience in designing hard landscaping projects. Combined with the confidence we have in our products, we can go beyond the British Standards to rationalise sub-base designs.

These shallower systems (on both permeable and standard pavements) require less excavation, less muck away and less sub-base aggregate.

Engaging early with our design team can help you save cost, time and carbon on your next project. Email [design.team@marshalls.co.uk](mailto:design.team@marshalls.co.uk) to find out more.

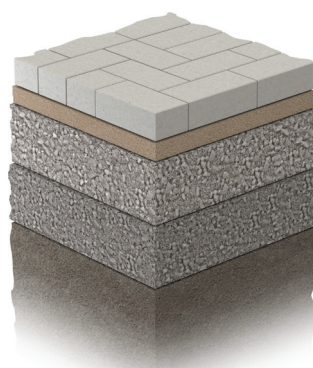
## Shallower systems mean:

Less **COST**

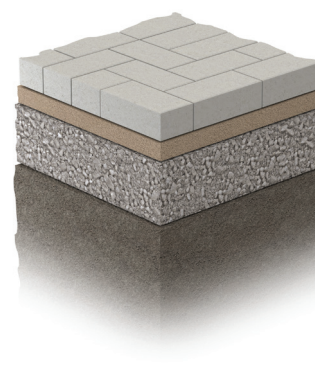
Less **TIME**

Less **CARBON**

BRITISH STANDARD DESIGN



NEW MARSHALLS DESIGN



31% shallower than the BS design



Registered Office:  
Marshalls Mono Ltd,  
Landscape House,  
Premier Way,  
Lowfields Business Park,  
Elland HX5 9HT

**0345 302 0600**

[www.marshalls.co.uk/commercial/paving](http://www.marshalls.co.uk/commercial/paving)

**Aesthetic | Performance | Cost**



**Marshalls**

*Creating Better Spaces*