



# CASTACRETE

Beautiful Gardens **Set In Stone**



# Welcome To **Castacrete Limited**

Castacrete Limited has over 50 years of experience within the Landscaping industry. The inexhaustible list of our manufactured own branded products covers a wide spectrum ranging from paving stones to driveway blocks and walling products. Over the years, we have evolved immensely to a point where we are confident we are able to suit all tastes and budgets.

In more recent years, Castacrete recognised and proudly embraced the demand for a more prestigious market in the form of Natural Stone and Porcelain. With Natural Stone from India. Porcelain Stone products sourced from different areas throughout Europe, Castacrete has seen its business grow from strength to strength.



@Castacrete





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## Manufactured Paving Collection

Castacrete manufactured paving has been designed to accommodate a wide variety of tastes whilst making it affordable by all. Styles ranging from traditional through to contemporary, we are confident that we are able to suffice your requirements to create that tranquil and blissful outdoor space. The manufactured paving we offer comes in an array of different colours, sizes and shapes. We have many years of experience in the manufacturing field of decorative concrete products, which has enabled us to produce complementary accompaniments designed to fulfil your desired look.



Mellow Stone



Autumn Gold

# Rutland

The Rutland Paving Range has been designed to re-create the look of Natural Stone at an inexpensive price. The range is available in three colours as well as a choice of either single sized or pre-packed patio packs. The patio packs have been designed to take the hard work out of working out how much you will need to complete your project. It literally is a “patio in a pack”. The patio packs come in four different design patterns. The multiple sizes in the Oakham and Ashwell pattern packs, create an attractive random layout which are easily linked together to extend to any size area.

Colour	Pre-Packed Pattern	m <sup>2</sup> Covered	KG Per Pack
Autumn Gold Mellow Stone Winter Stone*	Oakham	7.2m <sup>2</sup>	500
	Ashwell	6.08m <sup>2</sup>	372
	Langham	9.72m <sup>2</sup>	675
	Hambleton	9.0m <sup>2</sup>	625

\* Not available in Ashwell Pattern.

Colour	Pack/Size Info	KG Per Unit	Pieces Per Pack	KG Per Pack
Autumn Gold Mellow Stone Winter Stone	600mm x 600mm	23.6	33	779
	600mm x 450mm	17.5	33	578
	600mm x 300mm	11.8	66	779
	450mm x 450mm	12	72	864
	450mm x 300mm	8.7	66	574
	300mm x 300mm	5.9	132	779
	300mm x 300mm	5.9	132	779



Autumn Gold



Mellow Stone



Winter Stone

## Pack Specification

Oakham consists: 600mm x 600mm x 12, 600mm x 300mm x 16.

Ashwell consists: 450mm x 450mm x 22, 450mm x 225mm x 16.

Langham consists: 600mm x 450mm x 16, 450mm x 450mm x 16, 450mm x 300mm x 16.

Hambleton consists: 600mm x 600mm x 13, 600mm x 300mm x 18, 300mm x 300mm x 12.



# Courtyard Paving

Courtyard Paving has been designed to give the appearance of the aged foot-worn flagstones that can be seen today in our city streets and courtyards. Its colour and texture, normally only created through hundreds of years of weathering, is now available to both amateur and professional garden designers. The worn stone effect is versatile enough to add atmosphere to the “old world” cottage garden or the more formal Victorian garden. The Old Grey colour has been designed especially to suit the Courtyard Range.

Colour	Pack/Size Info	KG Per Unit	Pieces Per Pack	KG Per Pack
Old Grey	600mm x 600mm	23.6	33	779
	600mm x 450mm	17.5	33	578
	600mm x 300mm	11.8	66	779
	450mm x 450mm	12	72	864
	450mm x 300mm	8.7	66	574
	300mm x 300mm	5.9	132	779
	Oakham Pattern 7.2m <sup>2</sup>			500
	Hambleton 9.0m <sup>2</sup>			625

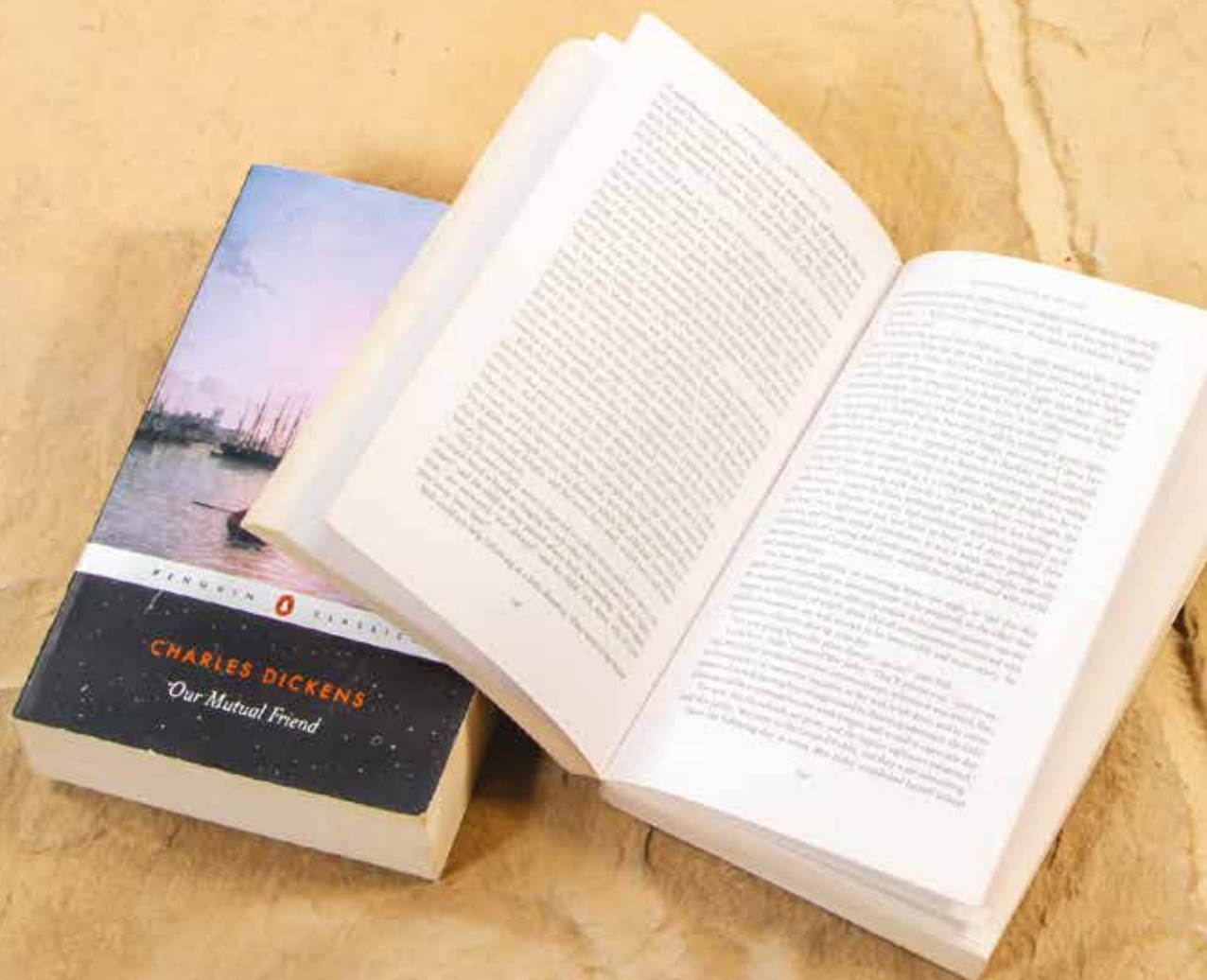


Old Grey

## Specification

Oakham consists: 600mm x 600mm x 12, 600mm x 300mm x 16.

Hambleton consists: 600mm x 600mm x 13, 600mm x 300mm x 18, 300mm x 300mm x 12.



## Traditional Paving

Traditional paving is available in two solid colours:- Stone and Weathered Grey. Having a simulated stone finish that re-produces the attractive appearance of natural stone with a slightly riven face, this product is predominately used to create the more traditional period look but at a fraction of the cost.

Colour	Pack/Size Info	KG Per Unit	Pieces Per Pack	KG Per Pack
Stone, Weathered Grey	600mm x 600mm*	23.6	33	779
	600mm x 450mm	17.5	33	578
	450mm x 450mm	12	72	864
	450mm x 300mm	8.5	66	561
	300mm x 300mm	5.9	132	779
	Oakham Pattern 7.2m <sup>2</sup>			500

\* Only available in stone



Stone



Weathered Grey



## Economy Riven Paving

Economy Riven Paving lends itself to any landscape project. It has a riven texture, muted in colour and has virtually straight sides, which enables you to create a more contemporary look by placing them with minimal joints, or the more traditional paved look by making the joints wider. The more muted colours available in the economy riven available in three colours:- Natural, Stone and Dark Grey.

Colour	Pack/Size Info	KG Per Unit	Pieces Per Pack	KG Per Pack
Natural Stone Dark Grey	600mm x 600mm	23.6	33	779
	600mm x 300mm	11.8	66	779
	450mm x 450mm	12	76	912



Natural



Stone



Dark Grey



## Classic Paving

The Classic Paving Collection has been designed to enable increased versatility of manufactured concrete paving. Available in three colours and two finishes and yet with a 38mm depth this range is set to revolutionise the flexibility of paving stones in not only outdoor but indoor spaces.

Colour	Pack/Size Info	KG Per Unit	Pieces Per Pack	KG Per Pack
Natural Buff Dark Grey	450mm x 450mm	17	60	1020



Dark Grey  
Riven



Natural  
Riven



Buff  
Riven



Dark Grey  
Smooth Texture



Natural  
Smooth Texture



Buff  
Smooth Texture



# Textured Paving

Castacrete's textured paving is an alternative to the popular riven finished paving. The process to manufacturing textured paving results in a shot blasted surface exposing the limestone aggregate within the product. This process also adds a durable slip resistant feature.

A clean, crisp contemporary look can be achieved using textured paving adding the ever popular stylish modern feel. With having straight sides, this enables you to place the slab side by side without any joints if the contemporary look is being achieved. If a more traditional look is required, then simply add a slight space between each slab, which will accommodate and require finishing off with a jointing product of your choice. The textured paving is available in three sizes and four modern colours:-

Colour	Pack/Size Info	KG Per Unit	Pieces Per Pack	KG Per Pack
Natural Dark Grey Red* Yellow	600mm x 600mm	28	33	924
	600mm x 300mm	14	66	924
	450mm x 450mm	14	68	952
	300mm x 300mm	7	132	924
	Oakham Pattern 7.2m <sup>2</sup>		28	560

\* Not available in 300mm x 300mm or Oakham Pattern



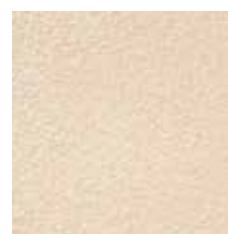
Natural



Dark Grey



Red



Yellow



Burnt Willow Pencil Edge (With Silver Grey Granite Paving)



## Block Paving Collection

Driveways have traditionally been a statement about your home, albeit because it is the first impression you give to the outside world. Over the years, as with most things, styles and trends have changed. Despite the continuous cycles of change regarding tastes in driveway landscaping, there is a legacy towards concrete block paving that has been passed down from generation to generation. Concrete Block Paving is both practical and affordable to all, and can produce the look that you are aiming to achieve, whether it is traditional or contemporary. Castacrete have been manufacturing driveway blocks for many years, and with time comes experience and knowledge. Our ever increasing knowledge has enabled us and continues to enable us to produce a competitive range of blocks, in an assortment of styles, colours and sizes.



# Driveway Block Paving

This format block offers a classic rectangular driveway paver which is both practical and stylish. The block lends itself to unlimited possibilities. Whether it be a driveway, pathway or patio, with the versatility of the block, you are guaranteed to achieve the look you are looking for. With a choice of ten colours, including three multi-coloured blocks, they are undoubtedly suitable for any environment.

Colour	Pack/Size Info	Pieces per Pack	m <sup>2</sup> Covered
Autumn Mix Brindle Charcoal	200mm x 100mm x 50mm	488	9.76m <sup>2</sup>
Red Buff Bracken Natural Ash	200mm x 100mm x 60mm	404	8.08m <sup>2</sup>
Silver Grey Carbon Black	200mm x 100mm x 80mm	308	6.16m <sup>2</sup>



Autumn Mix



Brindle



Charcoal



Red



Silver Grey



Buff



Bracken



Natural



Ash



Carbon Black



# Aged Effect Block Paving

This range has been specifically designed and developed to achieve a clean edge finish, whilst retaining a rustic and aged appearance. Available in 50mm and 60mm with 80mm available on request.

Colour	Pack/Size Info	Pieces per Pack	m <sup>2</sup> Covered
Natural Brindle Charcoal	*Mixed Size Pack*	240mm x 160mm x 50mm = Approx 132 Blocks 160mm x 160mm x 50mm = Approx 144 Blocks 120mm x 160mm x 50mm = Approx 144 Blocks	11.52m <sup>2</sup>
Mellow Stone Autumn Mix Burnt Willow	Single sized Pack (available on request)	240mm x 160mm x 50mm - Approx 296 Blocks	11.37m <sup>2</sup>
Ash Autumn Gold Bracken	Single sized Pack (available on request)	160mm x 160mm x 50mm - Approx 444 Blocks	11.37m <sup>2</sup>
	Single sized Pack (available on request)	120mm x 160mm x 50mm - Approx 588 Blocks	11.30m <sup>2</sup>

\*Pack size will always be 11.52m<sup>2</sup> but individual quantities may differ\*  
Single size packs only available in Brindle, Charcoal, Autumn Mix & Ash

Colour	Pack/Size Info	Pieces per Pack	m <sup>2</sup> Covered
Brindle Charcoal Autumn Mix Ash	*Mixed Size Pack*	210mm x 140mm x 60mm - Approx 160 Blocks 140mm x 140mm x 60mm - Approx 133 Blocks 105mm x 140mm x 60mm - Approx 89 Blocks	8.64m <sup>2</sup>
	Single sized Pack (available on request)	210mm x 140mm x 60mm - Approx 296 Blocks	8.70m <sup>2</sup>
	Single sized Pack (available on request)	140mm x 140mm x 60mm - Approx 444 Blocks	8.70m <sup>2</sup>
	Single sized Pack (available on request)	105mm x 140mm x 60mm - Approx 592 Blocks	8.70m <sup>2</sup>

\*Pack size will always be 8.62m<sup>2</sup> but individual quantities may differ\*



Brindle



Charcoal



Autumn Mix



Autumn Gold



Silver Grey



Ash



Mellow Stone



Burnt Willow



Natural



Carbon Black



# Pencil Edge Block Paving

With the Pencil Edge Collection, whether you aim to achieve a contemporary or traditional finish, you will not be disappointed. This smooth finish, stylish block has been developed to enable either, with the added bonus of affordability.

Available in ten colours and three sizes, the versatility is limitless. 80mm available on request.

Colour	Pack/Size Info	Pieces per Pack	m <sup>2</sup> Covered
Natural Brindle Charcoal Mellow Stone	*Mixed Size Pack*	240mm x 160mm x 50mm = Approx 132 Blocks 160mm x 160mm x 50mm = Approx 144 Blocks 120mm x 160mm x 50mm = Approx 144 Blocks	11.52m <sup>2</sup>
Silver Grey Autumn Mix Burnt Willow	Single sized Pack (available on request)	240mm x 160mm x 50mm - Approx 296 Blocks	11.37m <sup>2</sup>
Ash Autumn Gold	Single sized Pack (available on request)	160mm x 160mm x 50mm - Approx 444 Blocks	11.37m <sup>2</sup>
Carbon Black	Single sized Pack (available on request)	120mm x 160mm x 50mm - Approx 588 Blocks	11.30m <sup>2</sup>

\*Pack size will always be 11.52m<sup>2</sup> but individual quantities may differ\*  
Single size packs only available in Brindle, Charcoal, Autumn Mix & Ash

Colour	Pack/Size Info	Pieces per Pack	m <sup>2</sup> Covered
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	Single sized Pack (available on request)	210mm x 140mm x 60mm - Approx 296 Blocks	8.70m <sup>2</sup>
	Single sized Pack (available on request)	140mm x 140mm x 60mm - Approx 444 Blocks	8.70m <sup>2</sup>
	Single sized Pack (available on request)	105mm x 140mm x 60mm - Approx 592 Blocks	8.70m <sup>2</sup>

\*Pack size will always be 8.62m<sup>2</sup> but individual quantities may differ\*



Natural



Brindle



Charcoal



Mellow Stone



Silver Grey



Autumn Mix



Burnt Willow



Ash



Autumn Gold



Carbon Black







Permeable Charcoal

Permeable Aged Brindle

## Permeable Block Paving

Our Permeable block paving is the perfect solution to help maximise drainage flow rates. Efficient and practical this block will reduce flooding and is available with a regular or aged finish upon request.

Colour	Pack/Size Info	Pack Size Info	m <sup>2</sup> Covered	KG per Pack
Autumn Gold Brindle Charcoal Red Bracken Autumn Mix Buff Natural Silver Grey	200mm x 100mm x 60mm	Pack	8.08	1020

Colour	Pack/Size Info	Pack Size Info	m <sup>2</sup> Covered	KG per Pack
Autumn Gold Brindle Charcoal Red Bracken Autumn Mix Buff Natural Silver Grey	200mm x 100mm x 80mm	Pack	6.16	1090



Driveway Kerb Charcoal With Silver Grey Granite Paving

# Kerbs

Castacrete kerbs have been developed to accompany and enhance our three block paving ranges, although they can be utilised outside of this parameter. Available in two sizes (Kerb Large:- KL and Kerb Small:- KS) and dual purpose (half battered and bullnose).

## Driveway Kerbs

Finish	Colour	Code	Size	Per Linear Metre	KG Per Pack	Pieces per Pack
Driveway Kerbs	Brindle Carbon Black	KL	200x100x127mm	10	1248	215
		KS	125x100x127mm	10	1278	324

\*Sizes subject to change due to manufacturing process. Any changes will be phased in slowly to minimize any disruptions.

## Driveway Kerbs

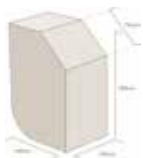


Carbon Black



Brindle

## KL Kerbs



KL Kerb Chamfer



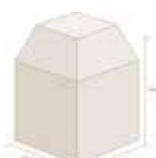
KL Kerb Bullnose



KL Kerb Internal  
Chamfer Corner



KL Kerb Internal  
Bullnose Corner

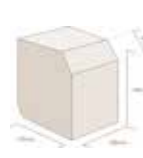


KL Kerb External  
Chamfer Corner



KL Kerb External  
Bullnose Corner

## KS Kerbs



KS Kerb Chamfer



KS Kerb Bullnose



KS Kerb Internal  
Chamfer Corner



KS Kerb Internal  
Bullnose Corner



KS Kerb External  
Chamfer Corner
















KS Kerb External  
Bullnose Corner



## Porcelain Collection

With porcelain becoming increasingly popular and sought after, Castacrete takes great pleasure in expanding its carefully chosen selection of porcelain paving to compliment your project and vision. Increasing our existing portfolio for 2023, We are proud to offer a diverse range from different countries around the world, our enviable and comprehensive range of paving products and co-ordinating accessories is limitless. This exceptionally dense man-made product formed by a mixture of clay, sand and other minerals in a high temperature kiln makes the porcelain paving exceptionally hard-wearing and designed to be easy to clean, thanks to its non-porous finish giving longevity so you can have them looking pristine year on year.

	<b>DRIVE OVER</b>		<b>RESISTANT TO CHEMICALS ACIDS BASES AND SALTS</b>
	<b>RESISTANT TO HEAVY LOADS</b>		<b>STAIN RESISTANT</b>
	<b>RECTIFIED WITH BEVEL</b>		<b>ABRASION RESISTANT</b>
	<b>ANTISLIP</b>		<b>THERMAL SHOCK RESISTANT</b>
	<b>LOW WATER ABSORPTION</b>		<b>FROST RESISTANT</b>
	<b>NO TREATMENTS REQUIRED</b>		<b>COLOUR RESISTANCE TO LIGHT</b>
	<b>EASY TO CLEAN</b>		<b>FIREPROOF</b>
	<b>RESISTANT TO MILDEW AND MOSS</b>		



Anthracite



Beige

# Town

The 600x600 Town is available in four different colours and has been carefully selected to offer a range of solutions to suit all budgets and project styles. Equally still bringing a tasteful low-key tone which will help any space become fresh and modern.

Colour	Pack/Size Info	m <sup>2</sup> Covered	KG Per Pack	Pieces Per Pack
Anthracite Beige Grey Soft Grey	600mm x 600mm	21.60m <sup>2</sup>	1056	60



Anthracite



Beige



Grey



Soft Grey

## Specification

Face: R11 Non-Slip Edges: Sawn Thickness: 20mm



Grey





# Optimal

The 600x900 Optimal is available in four different colours and is a stunning range which is perfect for those seeking minimalism whilst keeping its charm and sophistication. Large enough to create the feeling of open spaciousness whilst not looking oversized for most gardens.

Colour	Pack/Size Info	m <sup>2</sup> Covered	KG Per Pack	Pieces Per Pack
Anthracite Beige Grey Graphite	600mm x 900mm	16.20m <sup>2</sup>	729	30



Anthracite



Beige



Grey



Graphite

### Specification

Face: R11 Non-Slip Edges: Sawn Thickness: 20mm



Dover



Grey

# Pietra

Our 600x1200 Pietra creates a sense of space and openness thanks to its rectangular shape, allowing you to make the most of even the smallest spaces. Whether you have a contemporary or classic style, our choice of four neutral but striking colours makes the Pietra the perfect choice for any garden.

Colour	Pack/Size Info	m <sup>2</sup> Covered	KG Per Pack	Pieces Per Pack
Cream Grey Anthracite Dover	600mm x 1200mm	21.6m <sup>2</sup>	1025	30



Cream



Grey



Anthracite



Dover

### Specification

Face: R11 Non-Slip Edges: Sawn Thickness: 20mm



Dark Grey



Light Grey



Moka

# Etna

The Etna Range has been carefully selected for its durability, serviceability in conjunction with its charming natural characteristics. With its natural looking Stone effect properties and selection of colours, whether it be a traditional or contemporary look you are aiming for, there is no doubt that you will be enchanted by the result. Available in one size and three complimentary colour combinations this range will undoubtedly generate praise and admiration.

Colour	Pack/Size Info	m <sup>2</sup> Covered	KG Per Pack	Pieces Per Pack
Etna Dark Grey Etna Light Grey Etna Moka Etna Anthracite	800mm x 400mm	17.28m <sup>2</sup>	1000	54



Dark Grey



Light Grey



Moka

## Specification

Face: R11 Non-Slip Edges: Sawn Thickness: 20mm Bespoke Sizes Available on Request



Castello Grey



Castello Beige



Castello Anthracite

# Castello

Castello, was inspired by the elegance and grace of ancient Italy tumbled stone, adding an image of classical antiquity. Castello can be used whether you are creating a traditional rustic feature or a clean crisp contemporary look. It provides a smooth riven finish with slight anti-slip properties. It is available in three naturalistic complimentary colours.

Colour	Pack/Size Info	m <sup>2</sup> Covered	KG Per Pack	Pieces Per Pack
Castello Beige Castello Grey Castello Anthracite	600mm x 600mm	23.04m <sup>2</sup>	1050	64



Beige



Grey



Anthracite

### Specification

Face: R11 Non-Slip Edges: Sawn Thickness: 20mm Bespoke Sizes Available on Request



Colosseo Gialla



Colosseo Marrone



Colosseo Grigioni

# Colosseo

The Colosseo range exudes opulence and excellence. It has a classic yet contemporary feel. Its versatility has no limits. Available in three contemporary colours. The natural slight textured face creates the ability to provide a non-slip property to the collection.

Colour	Pack/Size Info	m <sup>2</sup> Covered	KG Per Pack	Pieces Per Pack
Colosseo Grigioni Colosseo Marrone Colosseo Gialla	600mm x 600mm	21.60m <sup>2</sup>	1000	60



Grigioni



Marrone



Gialla

## Specification

Face: R11 Non-Slip Textured Edges: Sawn Thickness: 20mm Bespoke Sizes Available on Request



## Calanca Plank

Calanca has been inspired by the original stone found in the Swiss region of Calanca. Available in plank form makes it versatile and adaptable to any project. It is available in three colours with a size of 1200mm x 400mm to each plank. With a slightly textured surface, this gives the collection natural non-slip properties. The elongated look to the Calanca Plank range makes for an ultra-stylish, seamless modern choice for a project, inside or out or even both.

Colour	Pack/Size Info	m <sup>2</sup> Covered	KG Per Pack	Pieces Per Pack
Calanca Dark Calanca Light Calanca Beige	1200mm x 400mm	23.04m <sup>2</sup>	1000	48



Dark



Light



Beige

### Specification

Face: R11 Non-Slip textured Edges: Sawn Thickness: 20mm







Travertino Beige

# Duomo

With its smooth finish and a slight granular texture to the surface, giving it a natural non-slip property, this range of exquisite porcelain lends itself to the contemporary or traditional market with the added bonus of safety in mind. Available in five different colours and one size the potential when creating your vision is limitless.

Colour	Pack/Size Info	m <sup>2</sup> Covered	KG Per Pack	Pieces Per Pack
Duomo Mint Duomo Jura Grey Duomo Jura Beige Duomo Travertino Beige Duomo Monviso Grey	600mm x 900mm	25.92m <sup>2</sup>	1125	48



Mint



Grey



Beige



Travertino Beige



Monviso Grey

## Specification

Face: R11 Non- Slip Edges: Sawn Thickness: 20mm



Duomo Beige



Duomo Monviso Grey



Porcelain

Duomo Mint



Duomo Grey



## Arena Holz

This range of Italian Porcelain has been designed to re-create the subtle timber plank look whilst incorporating opulence and unquestionable quality. Available in three different colours and one size. Whether you are looking to produce a contemporary, traditional or rustic finish, this can be achieved by using the colours individually or collectively.

Colour	Pack/Size Info	m <sup>2</sup> Covered	KG Per Pack	Pieces Per Pack
Grigio Marrone Noce	1200mm x 400mm x 20mm	23.04m <sup>2</sup>	1000	48



Grigio



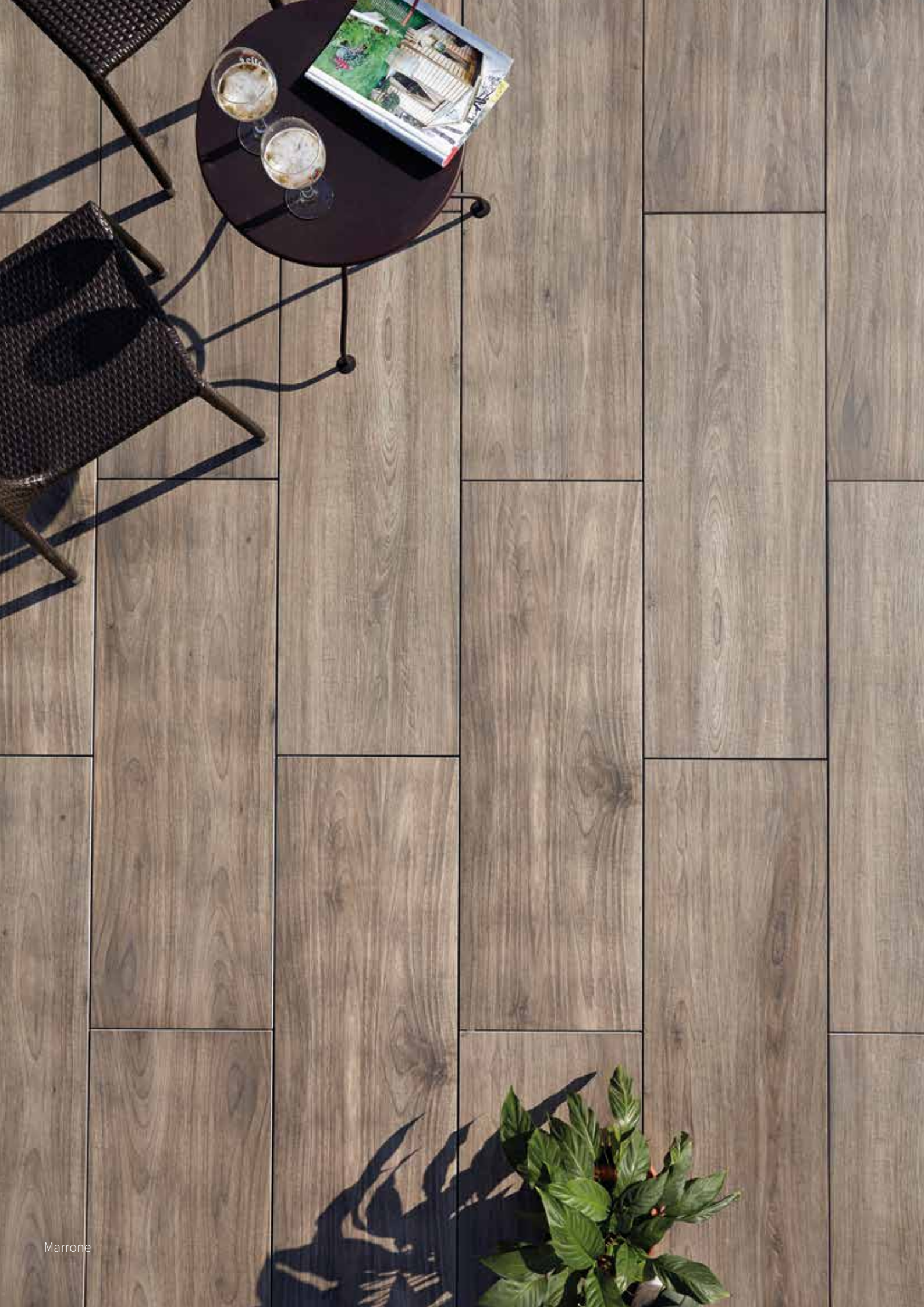
Marrone



Noce

### Specification

Face: R11 Non-Slip Edges: Sawn Thickness: 20mm





Porcelain

Noce



Light



Axis Cream



Dark

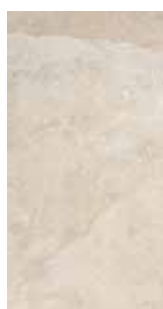
# Blacksheep

With a very slight mottled and riven textured finish, the rustic look can easily be achieved. Available in three colours and 1200mm x 600mm pieces the versatility of this product is limitless.

Colour	Pack/Size Info	m <sup>2</sup> Covered	KG Per Pack	Pieces Per Pack
Light Axis Cream Dark	1200mm x 600mm	19.28m <sup>2</sup>	928	27



Light



Axis Cream



Dark

## Specification

Face: R11 Non-Slip Edges: Sawn Thickness: 20mm

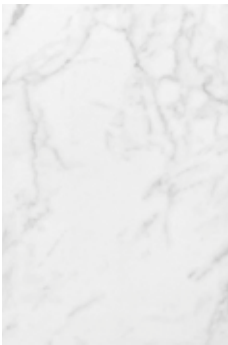


Marble

# Arpeggio

Bursting with character offering an authentic individual look that still has the benefits of a porcelain tile. Vibrant and effortless with a luxurious finish.

Colour	Pack/Size Info	m <sup>2</sup> Covered	KG Per Pack	Pieces Per Pack
Marble	600mm x 900mm	25.92m <sup>2</sup>	1260	48



Marble

**Specification**

Face: R11 Non-Slip Edges: Sawn Thickness: 20mm



Dark



Grey



Light

# Woodgrove

The Woodgrove range has been carefully selected for its sustainability, functionality and above all else captivating features. The composition of the Woodgrove range with its natural looking woodgrain effect surface and combination of colours, this product cannot fail to recreate the more traditional rustic yet contemporary aged timber flooring effect that is becoming increasingly popular.

Colour	Pack/Size Info	m <sup>2</sup> Covered	kg per pack	Pieces per Pack
Grey Beige Dark Light	1200x300x20mm	23.04m <sup>2</sup>	992	64
	1200x200x09mm	43.2m <sup>2</sup>	916	180



Grey



Beige



Dark



Light

## Specification

Face: R11 Non-Slip Edges: Sawn



## York Stone

This unique look inspired by honed natural stone however with the durability provided with the porcelain is sure to make your garden stand out with its golden and grey contrast.

Colour	Pack/Size Info	m <sup>2</sup> Covered	kg per pack	Pieces per Pack
York Stone	900x600x20mm	21.6m <sup>2</sup>	968	40
	1200x600x20mm	21.6m <sup>2</sup>	1026	30



York Stone

### Specification

Face: R11 Non-Slip Edges: Sawn



Black

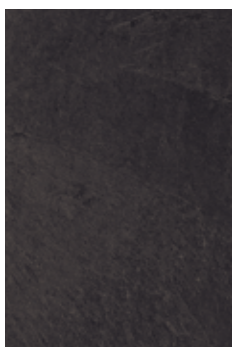


Grey

# Mustang

Coming in slick grey and striking black our Mustang range offers performance and style with a slight textured looking finish at an affordable price.

Colour	Pack/Size Info	m <sup>2</sup> Covered	kg per pack	Pieces per Pack
York Stone	900x600x20mm	21.6m <sup>2</sup>	968	40
	1200x600x20mm	21.6m <sup>2</sup>	1026	30



Black



Grey

## Specification

Face: R11 Non-Slip Edges: Sawn



Silver



Nero

## Country

Coming in two sizes and two colours this versatile porcelain can provide a modern and fresh look at an affordable price.

Colour	Pack/Size Info	m <sup>2</sup> Covered	kg per pack	Pieces per Pack
Nero Silver	900x600x20mm	21.6m <sup>2</sup>	968	40
	1200x600x20mm	21.6m <sup>2</sup>	1026	30



Nero



Silver

### Specification

Face: R11 Non-Slip Edges: Sawn



# Italia

Inspired by the authentic natural stone and made with Italian class, gives a luxurious modern look bespoke to the Mediterranean in your own home.

Colour	Pack/Size Info	m <sup>2</sup> Covered	kg per pack	Pieces per Pack
Italian Kandla Grey Italian Kandla Anthracite Italian Camel	900x600x20mm	25.92m <sup>2</sup>	1120	48

## Specification

Face: R11 Non-Slip Edges: Sawn



# Orient

With its clean, contemporary and luxurious appearance, this range of exquisite porcelain comes in 2 colours which are sure to enchant.

Colour	Pack/Size Info	m <sup>2</sup> Covered	kg per pack	Pieces per Pack
Grey Beige	900x600x20mm	16.2m <sup>2</sup>	1056	30



Grey



Beige

## Specification

Face: R11 Non-Slip Edges: Sawn



Light Grey

# Pizarra

New for 2023 this 1200x600 sized porcelain will help your garden stand out. Coming in two different colours this bold and strong porcelain is an ideal choice for those looking for a contemporary vision.

Colour	Pack/Size Info	m <sup>2</sup> Covered	kg per pack	Pieces per Pack
Grey Dark	600X1200X20	24.48m <sup>2</sup>	1025	34



Dark Grey



Light Grey

## Specification

Face: R11 Non-Slip Edges: Sawn



# Earthcore

Providing to be popular across 2022 the Earthcore Grey is able to blend charcoal, dark and light grey to provide a suave look which is as desirable as it is durable.

Colour	Pack/Size Info	m <sup>2</sup> Covered	kg per pack	Pieces per Pack
Earthcore Grey	900x600x20mm	21.6m <sup>2</sup>	968	40
	1200x600x20mm	21.6m <sup>2</sup>	1026	30



Grey

## Specification

Face: R11 Non-Slip Edges: Sawn



Grey



Crema



Sky

# Limestone

Taking its style from natural Limestone, however without the same level of maintenance. Limestone porcelain is perfect for those with an eye for contemporary style aligning itself with a vibrant and alfresco vibe.

Colour	Pack/Size Info	m <sup>2</sup> Covered	kg per pack	Pieces per Pack
Sky Grey Crema	900x600x20	21.6m <sup>2</sup>	968	40
	1200x600x20	21.6m <sup>2</sup>	1026	30



Sky



Grey



Crema

## Specification

Face: R11 Non-Slip Edges: Sawn



# Kandla

Kandla Grey Porcelain has the perfect look to offers a classic and stylish solution to creating a contemporary space. Available in Patio Packs 600x900mm, the Kandla Grey offers a non-slip surface; ensuring safety and practicality are at the forefront of beautiful design.

Colour	Pack/Size Info	m <sup>2</sup> Covered	KG Per Pack	Pieces Per Pack
Kandla Grey	Patio Pack	18.36m <sup>2</sup>	1050	60
	600mm x 900mm	21.6m <sup>2</sup>	1050	40

## Pack Specification

Patio Pack 18.36m<sup>2</sup> comprising:

895x595mm x 16 , 595x595mm x 16, 295x595mm x 16, 295x295mm x 12

## Specification

Face: Non-Slip Edges: Sawn Thickness: 20mm



Grey



Beige

# Valle

The Valle Porcelain range combines simplicity and style with a slightly mottled texture and look. Available in beige and grey the Valley collection can be used to create an eye-catching centrepiece in any outdoor setting.

Colour	Pack/Size Info	m <sup>2</sup> Covered	KG Per Pack	Pieces Per Pack
Beige Grey	900x600x20mm	21.6m <sup>2</sup>	1010	40

## Specification

Face: R11 Non-Slip Edges: Sawn



Oxide



Grey

## Stone

The clean and smooth look of the Stone Porcelain range makes for a modern and sleek addition to any space. All made with a shaded marble effect, this collection can help create either a bold and powerful area, or an understated and tranquil space.

Colour	Pack/Size Info	m <sup>2</sup> Covered	KG Per Pack	Pieces Per Pack
Grey Oxide	900x600x20mm	21.6m <sup>2</sup>	1010	40

### Specification

Face: R11 Non-Slip Edges: Sawn



## Serena Stone

The coloured Serena Stone Porcelain range effortlessly mirrors the classic patio paving look, with added touches of elegance and grace. With a choice of three neutral colours in 600x900mm, and an added non-slip surface, this range easily combines practicality and safety, with no compromise on style.

Colour	Pack/Size Info	m <sup>2</sup> Covered	KG Per Pack	Pieces Per Pack
Serena Stone Antracite Serena Stone Beige Serena Stone Grey	600mm x 900mm	25.92m <sup>2</sup>	1125	48



Antracite



Beige



Grey

### Specification

Face: R11 Non- Slip Edges: Sawn Thickness: 20mm



# Total Stone

The Total Stone Italian Porcelain range recreates a classic and timeless look. A smooth blend of varying shades and a slight texture with non-slip properties create a look reminiscent of natural stone. Available in three neutral colours and one size (600x900mm), the Total Stone collection is perfect for creating an understated yet elegant outdoor space.

Colour	Pack/Size Info	m <sup>2</sup> Covered	KG Per Pack	Pieces Per Pack
Total Stone Avorio Total Stone Grafite Total Stone Grigio	600mm x 900mm	25.92m <sup>2</sup>	1125	48



Avorio



Grafite



Grigio

## Specification

Face: R11 Non- Slip Edges: Sawn Thickness: 20mm



Sawn Six Sides & Honed - Two Tone



## Natural Stone

Castacrete pride themselves on the extensive knowledge and experience cultivated over time in the business of importing Natural Stone from India. Our ever increasing supplier database has enabled us to be able to offer an extensive range of Natural Stone for outdoor use as well as offering an assortment of styles, colours and more importantly affordability for all markets. As a family orientated group, we are passionate about maintaining sustainable ethical practices with our suppliers abroad. This improves the lives and working conditions of our suppliers and their co-workers.



## Calibrated Sandstone and Limestone Paving

This Calibrated Sandstone and Limestone Collection offers a choice of fourteen attractive colours in natural hand cut finish, that have been selected to provide you with a wide array of choice. All the stone is packed at our supply facilities in India and comes from their own approved quarries. This not only assures a top quality product but also a stone that has been ethically sourced and produced.

Colour	Pack/Size Info	m <sup>2</sup> Covered	KG Per Pack	Pieces Per Pack
Raj Sandstone	Patio Pack	15.25m <sup>2</sup>	820	48
Grey Sandstone	900mm x 600mm	21.10m <sup>2</sup>	1150	38
Camel Sandstone				
Mint Sandstone	600mm x 600mm	14.14m <sup>2</sup>	750	38
autumn brown Sandstone				
Black Limestone				



Raj Sandstone

Grey Sandstone

Camel Sandstone

Mint Sandstone

### Specification

Face: Natural split riven Edges: Handcut Thickness: Sandstone 22mm Calibrated, Limestone 25mm  
 Calibrated Patio Pack; 15.25m<sup>2</sup> comprising: 900mm x 600mm x 13, 600mm x 600mm x 13,  
 600mm x 290mm x 13, 290mm x 290mm x 9  
 Bespoke Sizes and accessories available on request.  
 Coverage shown is obtained when laid with 10mm joints



Grey Sandstone



Camel Sandstone





Black Limestone

### Calibrated Sandstone and Limestone Paving Collection

Colour	Pack/Size Info	m <sup>2</sup> Covered	KG Per Pack	Pieces Per Pack
Black Limestone	Patio Pack	15.25m <sup>2</sup>	950	48
	900mm x 600mm	21.10m <sup>2</sup>	1355	38
	600mm x 600mm	14.14m <sup>2</sup>	900	38
	600mm x 290mm	18.67m <sup>2</sup>	1170	102
	290mm x 290mm	18.36m <sup>2</sup>	1130	204
Blue Limestone	Patio Pack	15.25m <sup>2</sup>	950	48



Black Limestone

### Specification

Face: Natural split riven Edges: Handcut Thickness: Sandstone 22mm Calibrated, Limestone 25mm Calibrated Patio Pack; 15.25m<sup>2</sup> comprising: 900mm x 600mm x 13, 600mm x 600mm x 13, 600mm x 290mm x 13, 290mm x 290mm x 9 .

Bespoke Sizes and accessories available on request.

Coverage shown is obtained when laid with 10mm joints



# Calibrated Sandstone and Limestone Circle

Our natural stone circle collection has been specifically selected to complement our natural stone paving collection flawlessly. An appealing addition that adds character and finesse to any project. The circles come complete with a squaring off kit and are available in seven tasteful colours, of which co-ordinate with our existing Natural Stone products.

Colour	Pack/Size Info	Diameter	KG Per Pack
Camel Sandstone Mint Sandstone Raj Sandstone Grey Sandstone Black Limestone Sandstone	1 Per Pack	2.85m	465



Camel Sandstone



Mint Sandstone



Raj Sandstone



Grey Sandstone



Black Limestone

## Specification

Face: Natural split riven Edges: Handcut

Thickness: 22mm Calibrated

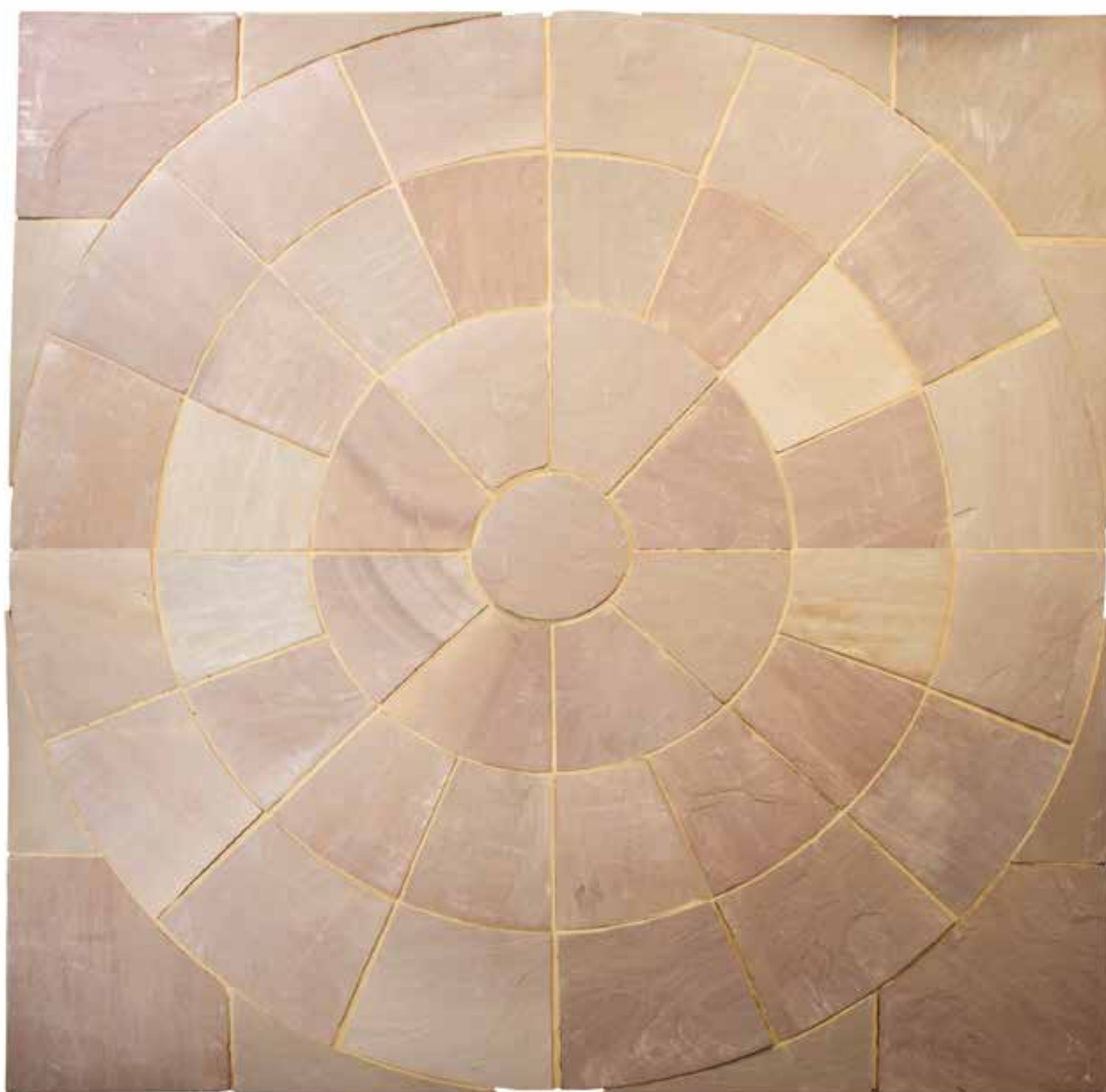
Coverage shown is obtained when laid with 10mm joints



### Circles Continued

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Camel Sandstone 2.85m circle shown below with squaring off kit.





Black Limestone



Camel Sandstone

# Handcut Setts

Our natural handcut setts can all be used to create borders, paths, features and driveways, or just border a lawn to give definition and contrast. Available in two sizes and seven colours, these setts will complement our extensive range of paving stones.

Colour	Pack/Size Info	KG Per Pack	Pieces Per Pack
Raj Sandstone Mint Sandstone Camel Sandstone	200mm x 100mm	1200	600
Grey Sandstone Black Limestone	100mm x 100mm	1000	850



Raj Sandstone

Mint Sandstone

Camel Sandstone



Black Limestone

Grey Sandstone

## Specification

Face: Natural split riven Edges: Handcut Thickness: 40mm-60mm  
Coverage shown is obtained when laid with 10mm joints



Raj



Mint



Grey

## Sandstone Walling

The splendour and authenticity of our Sandstone Walling is undoubtedly in keeping with our Natural Stone Products. It has been designed to enhance any outside space. Whether you want to use it in conjunction with our additional natural stone products or independently, the outstanding quality of this product will undoubtedly culminate a wall of distinction. With a choice of three colours, you can match the colour like for like or go for a total contrast. Ideal for a traditional or contemporary project.

Colour	Pack/Size Info	m <sup>2</sup> Covered	KG Per Pack	Pieces Per Pack
Raj Mint Grey	325mm x 100mm	5.28m <sup>2</sup>	1155	210
	275mm x 100mm	5.13m <sup>2</sup>	1155	240
	215mm x 100mm	5.15m <sup>2</sup>	1155	305



### Specification

Face: Natural split riven Edges: Handcut Thickness: 55mm - 75mm  
Coverage shown is obtained when laid with 10mm joints





## Decorative Aggregate Collection

Decorative aggregates can be utilised in a multitude of ways to create additional colour, dimension and character to any outdoor space. Available in an array of colours and sizes, decorative aggregates are an affordable natural product derived from limestone, stone, flint and granite. With sizes available from 6mm up to 50mm the versatility is limitless.

# Aggregates

Colour	Midi Bag	Bulk Bag
All decorative aggregates are available in the following	63 Bags per pallet	1 Bag per pallet

Scottish Pebbles 20mm - 30mm



Red Granite 14mm



Plum Slate 40mm



Moonstone 20mm



Lakeland Grey 14mm



Black Ice 20mm



Black Granite 14mm



Green Granite 14mm



Green Slate 40mm



Golden Gravel 20mm



Flamingo 14mm



Cotswold Buff 20mm



20mm Pebbles

10mm Pebbles



Golden Gravel 10mm

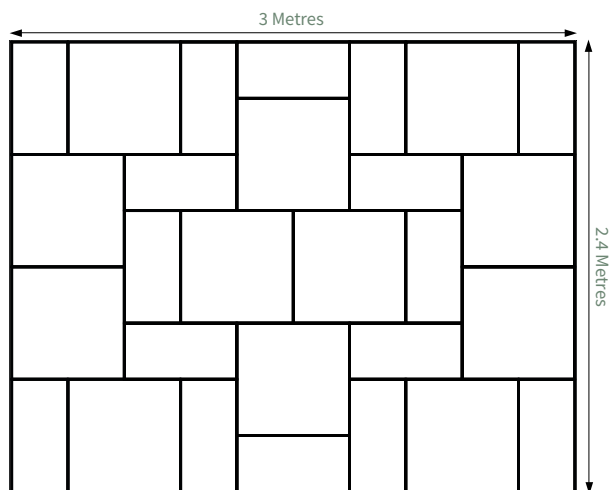


Scottish Cobbles \*bulk bags only



# Rutland Pre-Packed Patterns

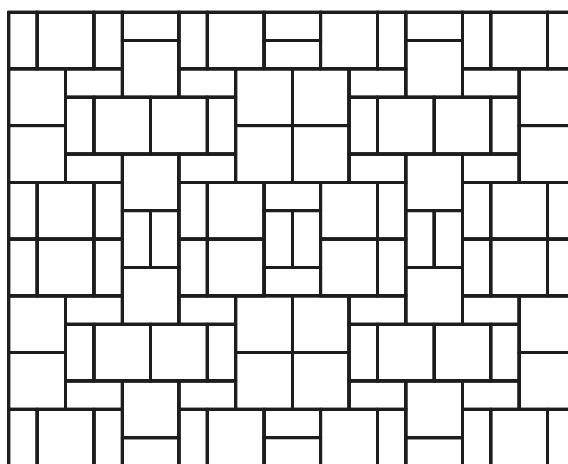
## Oakham Pattern



**Coverage: 7.2m<sup>2</sup>**

Pack contains: 600mm x 600mm x 12 off and 600mm x 300mm x 16 off

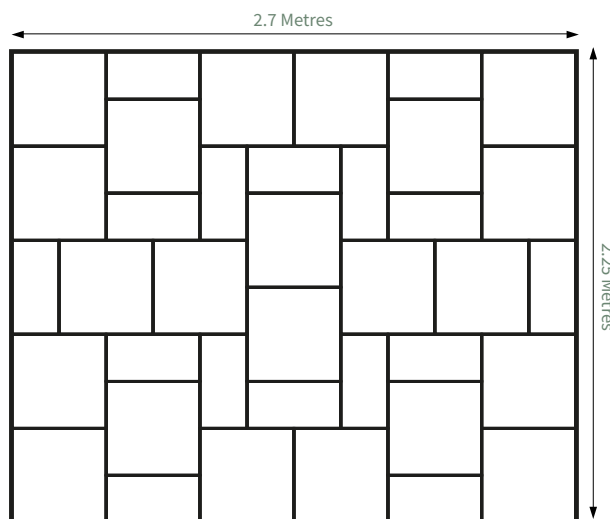
## Oakham Extended Pattern



**4 Packs joined together: Coverage: 28.8m<sup>2</sup>**

Pack contains: 600mm x 600mm x 48 off and 600mm x 300mm x 64 off. Four Oakham packs have been added together, showing how the straight lines between each pack can be broken up by turning certain slabs, shown in the darker shade.

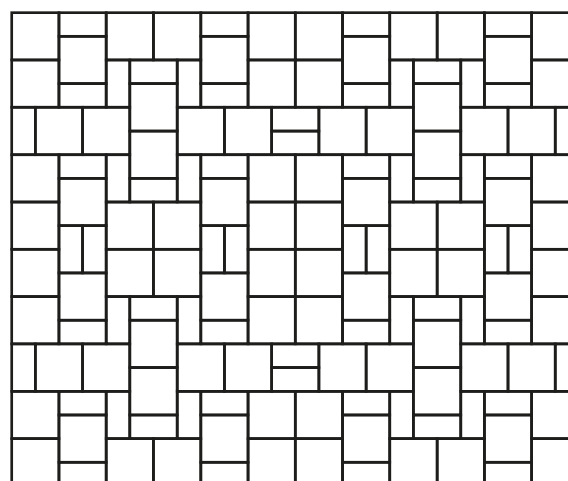
## Ashwell Pattern



**Coverage: 6.08m<sup>2</sup>**

Pack contains 600mm x 450mm x 15 off and 450mm x 300mm x 15 off

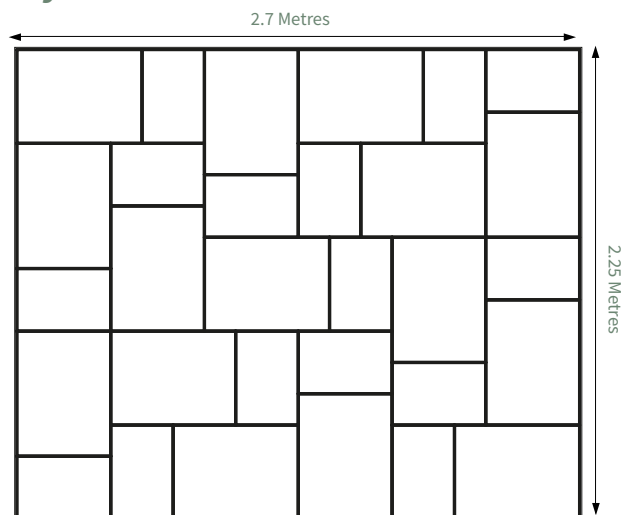
## Ashwell Extended Pattern



**4 Packs joined together: Coverage: 24.3m<sup>2</sup>**

Pack contains: 450mm x 450mm x 88 off and 450mm x 225mm x 64 off. Four Ashwell packs have been added together, showing how the straight lines between each pack can be broken up by turning certain slabs, shown in the darker shade

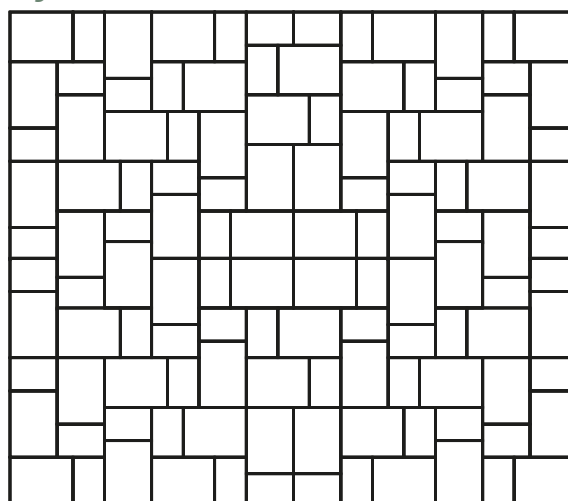
## Ryhall Pattern



**Coverage: 6.08m<sup>2</sup>**

Pack contains 600mm x 450mm x 15 off and 450mm x 300mm x 15 off

## Ryhall Extended Pattern



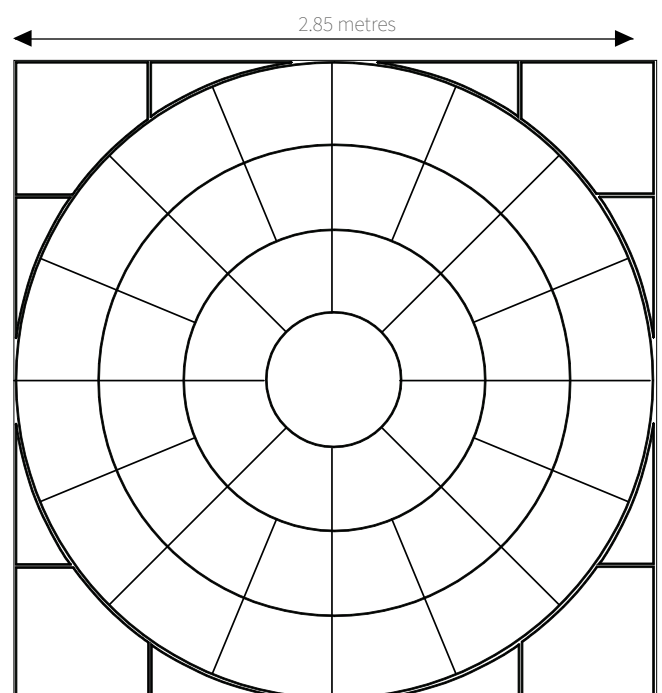
**4 Packs joined together: Coverage: 24.3m<sup>2</sup>**

Pack contains: 600mm x 450mm x 60 off and 450mm x 300mm x 60 off. Four Ryhall packs have been added together, showing how the straight lines between each pack can be broken up by turning certain slabs, shown in the darker shade.

# Circle Patterns

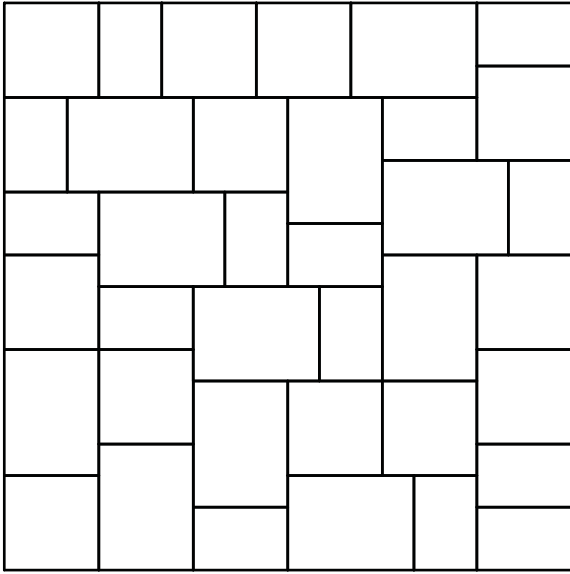


## 2.85 Meter Diameter Circle pack with Squaring off Kit



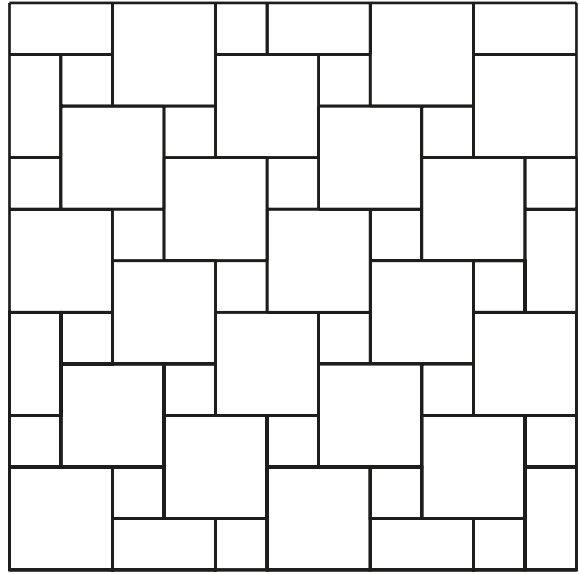
# Laying Patterns

## 7.29m<sup>2</sup> Random Pattern



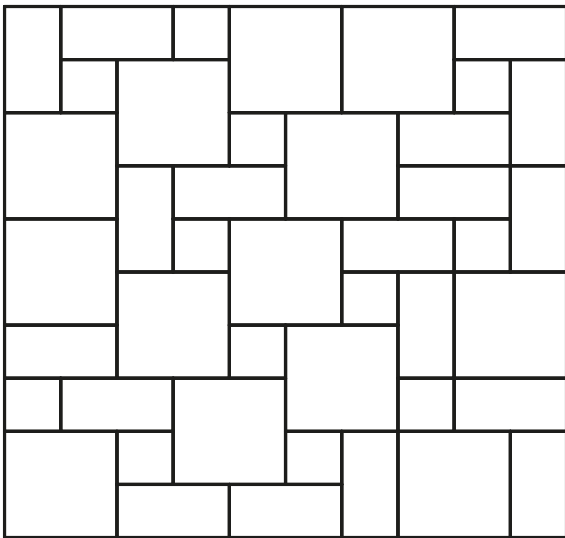
2.7m x 2.7m comprising:- 600mm x 450mm x 11 off, 450mm x 450mm x 12 off, 450mm x 300mm x 14 off. Can be created using Rutland, Courtyard and Traditional Paving

## 10.89m<sup>2</sup> Old Dutch Pattern



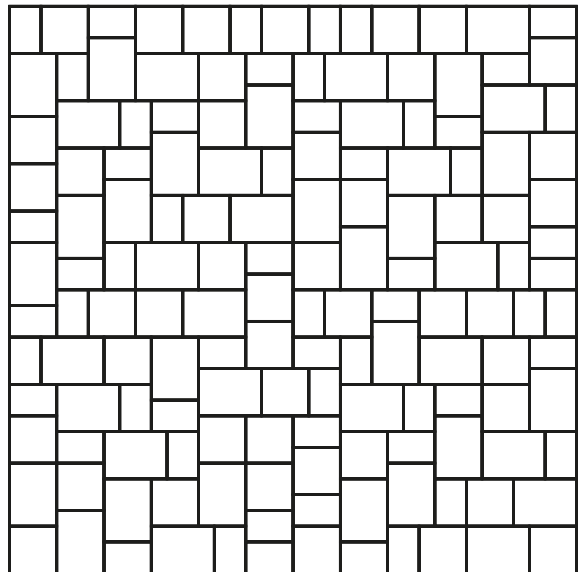
3.3m x 3.3m comprising:- 600mm x 600mm x 20 off, 600mm x 300mm x 9 off, 300mm x 300mm x 22 off. Can be created using Rutland or Courtyard Paving

## 9m<sup>2</sup> Hambleton Pattern



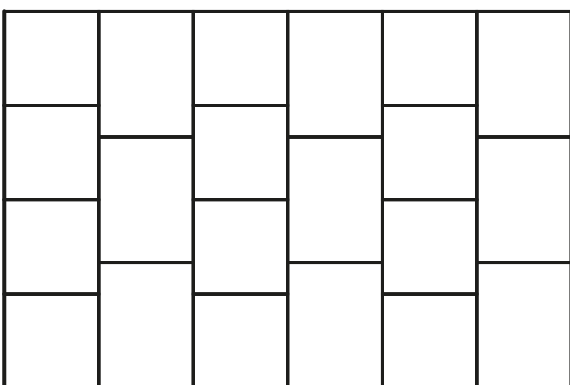
3m x 3m comprising:- 600mm x 600mm x 13 off, 600mm x 300mm x 18 off, 300mm x 300mm x 12 off. Can be created using Rutland or Courtyard Paving

## 29.16m<sup>2</sup> Large area Random Pattern



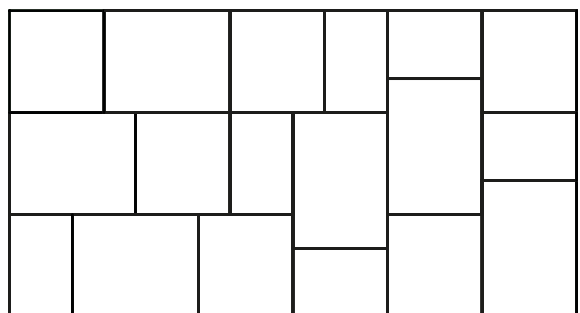
5.4m x 5.4m comprising:- 600mm x 600mm, 600mm x 300mm and 300mm x 300mm x 12 off. Can be created using Rutland or Courtyard Paving.

## 4.86m<sup>2</sup> London Bond Pattern



2.7m x 1.8m comprising:- 600mm x 450mm x 9 off, 450mm x 450mm x 12 off. Can be created using Rutland, Courtyard or Traditional Paving.

## 3.65m<sup>2</sup> Random Pattern

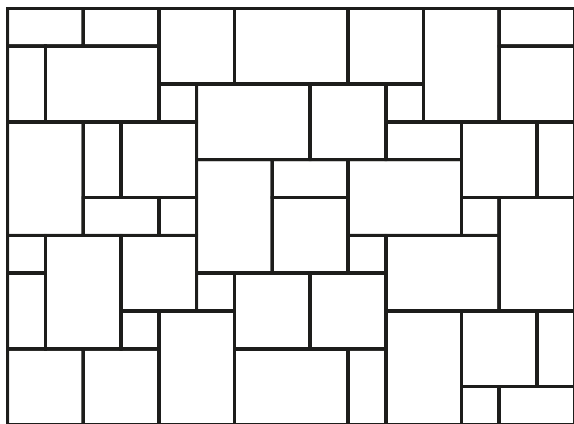


2.7m x 1.35m comprising:- 600mm x 450mm x 6 off, 450mm x 450mm x 6 off and 450mm x 300mm x 6 off. Can be created using Rutland, Courtyard or Traditional Paving.

# Laying Patterns

**14.85m<sup>2</sup>/15.25m<sup>2</sup>**

## Natural Stone Patio Packs



15.25m<sup>2</sup> pack comprises:- 900mm x 600mm x 13 off, 600mm x 600mm x 13 off, 600mm x 290mm x 13 off and 290mm x 290mm x 9 off. Available in Tumbled Collection, Calibrated Sandstone Collection and Calibrated Limestone Collection. 14.85m<sup>2</sup> pack comprises:- 900mm x 600mm x 13 off, 600mm x 600mm x 13 off, 600mm x 295mm x 13 off and 295mm x 295mm x 9 off. Available in Sawn Edge Collection and Granite Collection.

## Kandla Grey Porcelain 18.36m<sup>2</sup> patio pack



Sagar Black Calibrated - Image supplied by Westcrete

**Castacrete would like to extend a hand of gratitude for the generous contribution of images supplied by:**

### RW Paving & Landscaping Limited

Harrogate, North Yorkshire

### GH Brooks Limited

Harrogate, North Yorkshire

### Greenbird Gardening Limited

Portishead, Bristol

### Wythall Landscape Centre

Wythall, Birmingham

### Westcrete Landscaping & Building Materials,

Axminster, Devon

And for the photography carried out by

### Nigel Standerline Image & Branding

Chichester

# Guidance and Tips

## Product guide manufactured and natural stone paving

Choosing to have a new patio or paved area installed is a long-term investment and needs careful planning. All Castacrete paving products need correct installation, protection and maintenance to help retain their natural character and beauty and the long-term integrity of the area

The following is a guide only, which is applicable to both manufactured and natural stone paving. We would recommend you seek advice from a professional contractor.

### Choosing your paving

Be sure that the product you have chosen is suitable for the project you are planning before ordering and more importantly before laying of the paving has commenced.

### Things to Consider when ordering your paving

Check quantities required and then check again. Order all materials to complete your project at the same time. To avoid delays to your project once it is underway, do not start work until you are sure all materials you require are with your supplier. NB: All sizing is nominal sizes (imperial sizes where quoted are approx.).

- Please check suitability of the product before purchasing and laying.
- If you have received a sample please be aware this is an indication of colour mix and is only a small representation of the blends that can be present.
- When ordering we recommend an extra 10% to allow for breakages or cutting
- Order all materials to complete your project at the same time.
- If using more than one pack, please ensure that you lay the product at random from all packs to minimize any unavoidable shade variations.
- Consider where you will be laying the product. If the area is shaded it is more likely to attract organic growths that result in stains. Additionally, some products may fade if situated for long periods in direct sunlight
- Always lay paving to the correct falls to avoid water pooling on the paving
- Always inspect the paving before installation
- Deliveries to site/residential addresses will be delivered kerbside from our merchants. It is important the driver has easy access when delivering.
- Deliveries made via a Pallet service have a maximum weight of 1200kgs (1000kgs if a tail lift is required).
- No claims can be entertained once the product has been laid.
- Castacrete recommend that all products are laid by a professional contractor.

### Laying the paving

TIPS AND SUGGESTIONS FOR LAYING BOTH MANUFACTURED CONCRETE AND NATURAL STONE PAVING PRODUCTS.

This is not a comprehensive step by step guide, only a recommendation! Always seek professional advice.

The paving you have chosen should be seen as the 'top dressing' to your patio, but the key to achieving the visual result that enhances your garden is to get the preparation, installation and finishing correct. This will ensure that your new paved area will give you many years of use and pleasure. Choose products and methods suitable for your project, non-professionals should seek advice.

### Preparation and Drainage

Always allow sufficient drainage when siting the patio and in preparation of the base. Poor drainage may lead to water retention which could affect the weathering and performance of the paved area.

- Drain away from the house, wherever possible. If the design of the area does not allow this, then drainage channels along the length of the property must be installed.
- Paving should be laid with a fall of 1:80.
- Surface level of the paving should be two courses below the Damp Proof Course of the property.

### Laying

- All flags need to be laid on a full mortar bed, with no gaps or voids beneath.
- Do not "Dot & Dab" any stone or concrete product.
- Mortar to be mixed to the ratio of 5:1 sharp sand and cement. Light coloured paving could suffer from discolouration, so we would recommend a silver sand and white cement.
- Full mortar bed to be a 35mm-55mm depth.

- Check levels constantly while you work.
- BEWARE Natural stone is laid with the narrowest surface facing the ground, making an inverted 'V' joint.
- When laying Natural Stone, the jointing gap will typically be 10mm measured at the upper face, depending on the laying pattern selected and the finish on the flags edge.
- On concrete paving, the gap between slabs should be sufficient enough to allow a key for the jointing mix. NB: Some manufactured paving has a sloping side, making a 'V' joint. The base of these slabs must not be touching.
- There are many different ways to join your paving. Using a building sand and cement mix to the ratio of 3:1 is the traditional technique. There are a number of resin/polymeric based brush in products on the market that are just as effective. Castacrete recommends Joint-Ex and Joint-Ex Extra Fine Permeable Jointing products.
- If you decide to butt joint Natural Stone this can potentially cause a number of issues once the stone is laid like spalling where the stone starts to chip due to direct contact with other slabs and it also encourages delamination where the stone starts to chip and flake
- Brush of any excess mortar or grouting from the stone before it dries taking care not to stain the surface.
- Refrain from using a new patio for the first 24-36 hours, so the mortar can set. After 3-5 days, the patio should be ready for full use.

### Cutting

- Avoid cutting concrete paving wherever possible. If absolutely necessary, it is advised that the slab is cut with an angle grinder and diamond cutting blade. Always try to cut in a straight line and avoid cutting angles.

## Characteristics of manufactured paving

Our Concrete paving products are designed for decorative use and enjoyed in a domestic garden environment. They are subjected to all extremities of weather and general wear and tear. Concrete is a natural material and it will react with its environment. The reactions seen, particularly on a newly laid concrete patio area, will not be detrimental to the long term use if the paving has been used in an appropriate manner. The following are some points to be aware of:-

### Dark Patches

Darker or lighter areas, often appearing in the centre of the paving slab, but can also be seen as uneven patches over the whole surface. The occurrence of this chemical reaction is determined by environmental conditions, such as the amount of the shade or sunlight the area receives, or dampness from surrounding areas, rainfall frequency etc., Their appearance is therefore spasmodic, unpredictable and unavoidable. They will weather out as the slab dries naturally and incidences will reduce as the paving matures in its environment. If a blemish free area is required, alternative materials may need to be considered.

### Surface Marks

Scratches or scuff marks on the surface caused in storage and in transit. Surface blemishes caused in transit cannot be avoided and do not affect the long term performance of the concrete. These will fade and weather through normal use.

## Characteristics of natural stone paving

### Finish and Sizing

As part of the production process, natural stone will contain blemishes, veining, small chipping and small holes. All of which are natural characteristics of the stone. Most chips will not be visible once installed and pointed. Order an extra 10% for wastage, cuts and pieces that you may not wish to use.

Natural Stone varies in colour, texture, markings and touch. These variations are what give natural stone its uniqueness and add to its appeal. Small samples will not always give an accurate reflection of how the patio will look once finished. Therefore, we recommend you visit one of our stockists who will be more than happy to advise you. These variations are accepted as unavoidable within the landscaping industry. Natural Stone will have a dimension tolerance of +/- 5mm.

### Colour Variations

All natural stone contains a variation in colour, veining, shading, may contain

# Guidance and Tips

blemishes and other natural characteristics. These are all perfectly normal and not a sign of any fault in the product. Natural shade variations need to be evenly distributed across the paved area. If multi packs are ordered, open and sort all crates so a good colour mix can be achieved.

Grey Sandstone contains natural iron and this may oxidise and show as brown markings. This is inherent in the stone and should not be seen as a fault. Black Limestone may lighten as a result of natural light and weathering. Please contact your stockist or speak with a professional contractor for advice. Castacrete cannot be held responsible or accept liability for natural characteristics within the stone.

## Characteristics of granite stone

Granite is natural rock; it's innately filled with imperfections such as veining, chips and variations in color. Dark or solid colored granite shows natural imperfections, dings and spills more easily than lighter granite. There is a difference between a "crack" and a "fissure." Fissures (veins) occur naturally in the stone and are created during the rock's formation. This is not considered a fault in the product, but an inevitable feature that often adds to the natural beauty

## Maintenance and aftercare of concrete and natural stone

To keep your patio in its best condition, regularly sweep and clean normal garden detritus immediately to prevent staining. DO NOT use harsh acid base chemical cleaners or power washers to clean decorative paving. Sufficient cleaning can be achieved by the occasional wash with mild soapy water and thorough rinsing.

## Sealing

Sealants will often change the look of the paved area and it is the owner's choice whether to do this. We suggest you take the advice of your installer. If the decision is taken to seal we advise that the area should be clean and perfectly dry before the commencement of sealing. Use an impregnator that will penetrate deep into the stone. This will inhibit water and oil passing through the surface and help prevent staining. Always follow the manufacturer's installation advice on any product applied to our products.

Regularly clean with a light jet wash each season. We recommend waiting at least 30 days before you jet-wash your new paving to avoid any issues and always use a market leading brand of stone cleaner to keep your stone looking brand new. DO NOT use acid-based cleaners.

## De-icing

Do not use any form of salt, especially rock salt to de-ice paving. This may cause immediate and irreparable damage and regular application of salts will undoubtedly cause long term breakdown of the concrete. NB: Castacrete wet cast concrete paving products are designed for domestic use only and whilst they are fit for purpose under normal weather conditions, they cannot be guaranteed for use in areas which regularly experience prolonged dampness or occasional temperatures of below -15°C.

## Efflorescence

The Castacrete Group of Companies cannot accept any liability for the temporary effects of the natural phenomenon of efflorescence. This can occur in both concrete products with a high cement content and some types of Natural Stone. This white powdery like substance is extremely common on both un-laid and laid concrete products. It ranges from a mild bloom which gives the appearance of colour loss to large white blotches on the surface. Its appearance can be very spasmodic and unpredictable, but is not detrimental to the performance of the concrete. It can also show itself as streaks or a mottled or spotted effect. Although most commonly associated with concrete paving products, efflorescence can also affect natural stone when it is laid on a full mortar bed. Limestone products can be particularly susceptible. This is a temporary phenomenon caused by the chemical reaction between water and cement, which will weather out naturally and does not damage the paving. There are many efflorescence removers available for purchase on the market, but we recommend it is left to weather out naturally to avoid any damage to the surface of the paving. Efflorescence is not a fault of the manufactured or natural stone.

## Moss, Lichen, Algae & Weeds

It's recommended that the following be removed by scraping out the joints. Weeds however should be removed by hand. Then treat the area with a weed or moss killer. It's best to be applied in dry weather. After being applied it

should take a few days to be fully effective. Once growths have been killed, they can easily be brushed off. Anti-moss and weed killer can also leave a residue in the sand joint which will assist the likelihood of re-growth. The manufactures instructions should always be followed with any cleaning agent.

## Green & Black Staining

There are a variety of causes for staining on paving. These are shaded areas that cannot dry, poorly drained areas where water can sit. Fallen leaves which have been left and generally damp areas and can encourage black lichen to feed off the minerals and eventually being absorbed into the paving over time making difficult to remove. The best remedy is to regularly sweep your paved area to avoid growths. Use a soft bristled brush as wire can scratch the surface

## Other Stains & Iron Imperfections

Clean accidental stains immediately with a proprietary cleaner specifically formulated for the job and following the manufacturer's instructions for use. Very rarely some Natural Stones and the natural aggregates used in concrete manufacture contain small particles of iron or lignite. When exposed, the iron oxidises and the lignite may cause a reddish-brown stain. Clean with a product specially formulated for rust or lignite removal. Some weed killers and grass treatments contain chemicals that stain concrete and stone. If they come into contact with the paving, clean immediately (see above MAINTENANCE). Do not leave any metal garden furniture on paving for long periods of time. Regularly move the furniture and clean the paved area. A choice of specialist concrete cleaners is available through builders' merchants and good DIY outlets.

## 5 Top Tips

- Prepare and plan
- Always use a full mortar bed when laying the flags. Point all choices of paving.
- When using multiple packs, open all packs and randomly select flags from each pack to blend colour variances.
- DO NOT use acid based cleaners on any of our products. These will severely damage your paving. Use a mild detergent instead.
- Visit your local stockist to view the paving in full. Brochure prints & small samples will not always give accurate colour variations.

## Health and Safety

- Store packs on level/even ground
- Open packs at ground level
- Stand to one side when removing strapping and wrapping
- Support leaning slabs as necessary.
- We recommend gloves are worn when handling product
- Some products are an awkward shape or weigh more than 25kgs. If lifting any such products we recommend more than one person assists, or that suitable lifting equipment is used
- Please ensure that suitable eye protection and respiratory protection is worn to avoid inhalation of dust particles.

## Disclaimers

Castacrete Limited Concrete Products are made from high quality aggregates, cement and inorganic pigments and are specifically designed for domestic use. We are continually improving the quality and service we provide; therefore, information may be subject to change without prior notice. Although we take every care that the information given in our brochures or on our website is accurate and up to date, no liability of any kind (including liability for negligence) will be attached to the company or their representatives. Colours and finish of products shown in this brochure are as accurate as the printing process will allow, but we strongly advise that you view the actual product before purchase. All sizing is nominal (imperial sizes where quoted are approximate). No responsibility is accepted for use of the product other than that intended by the manufacturer. Please note that the products shown in this brochure does not guarantee availability. Although not affecting your statutory rights, please note that the company cannot accept liability in respect of any costs incurred as a result of uplifting and relaying defective product, if, upon inspection it is proven that the defect ought to have been evident prior to laying. Products, sizes and quantities are correct at the time of printing. Any technical information provided by Castacrete in relation to any product (before or after order) is provided by way of guidance only

NB: Castacrete Limited does not offer a garden design or advisory service for laying paving.

# Top Tips For Installing Porcelain Paving

- All porcelain paving tiles vary in size and colour. Matching of batch numbers can reduce the variance when purchasing multiple quantities.
- We recommend installing your porcelain paving on a wet mortar bed of 6:1 sand/grit and cement mix.
- It is strongly recommended to coat the back of each porcelain tile with slurry primer. The slurry primer acts as an additional adhesive agent that will help the tile to form a stronger bond bridge between the wet bed and the paving.
- When laying the paving, to avoid edges from chipping, we recommend you do not butt joint the tiles, it is also recommended to use tile spacers, which will aid you to form consistent spacing throughout.
- Use a permeable jointing product. Our JointEx products are suitable for this.
- A mild detergent cleaner is more than sufficient to clean porcelain paving, although there are many specific porcelain cleaners on the market.
- When cutting, it is recommended to have a continuous water flow applied. This is to reduce the chance of cracking the tile. A suitable good quality diamond cutting blade is advised.
- We recommend keeping a record of the 'batch colour code' of porcelain in case any further stock is required. This can be found on the box the porcelain is packed in.

Castacrete supplies porcelain paving tiles in a thickness of 20mm, which renders it suitable to be laid on several bed types.

## Installation on a wet bed

This being the most popular bed for porcelain paving tiles. Preparing a 40mm-60mm depth bed of a 6:1 sand/grit and cement mix as evenly as possible over the area to be paved with the use of a shovel, leaving a smooth and level surface. It is advisable to allow up to two weeks for the bed to completely dry out before adding an additional 15mm mortar mix, which allow a weight bearing capacity of approximately 38Kg m<sup>2</sup>. Place the slurry primer treated porcelain tiles onto the newly prepared mortar mix with a twisting and sliding motion which will assist the tiles to bond to the mortar mix. Once satisfied with the placement, the tiles can be left to set/dry.

## Installation on a concrete bed

When installing the paving on a concrete bed, if the concrete bed has been laid specifically for the tiling to be applied, it is recommended that it is left for up to a period of 3-4 weeks to allow it to dry out completely in preparation to apply the paving. To adhere the tiling to the cured concrete bed, we recommend the use of a flexible tile adhesive. Spread the adhesive evenly to the prepared concrete bed and underside of the tile, using a notched spreading tool. When satisfied that enough adhesive has been applied to both areas, place the tile into the desired location using a twist and slide motion. Leave to set as per instructions on the adhesive packaging.

## For use as stepping Stones

Due to versatility and durability of the porcelain, they can be sunken into a lawned area and used as stepping stones. To achieve this look, you will need to carry out the correct preparation, to minimise movement. To do this, an approximate depth of 50mm plus the depth of the tile will need to be dug out. Place 50mm of 4-8mm sized gravel into the area as a base for the tile to sit on. Place the tile onto the gravel base. Dependant on soil movement, the tile should compact down.

## Applying to pedestals and walls

The tiles can be applied to add interest and texture to pedestals and walls. To carry out this method, the original structure to be covered must be structurally sound and solid, as the added weight of the tiles could destabilise an already unstable area. The advised maximum fixing height for applying porcelain tiles is 3.6m. Anything above this height, it is advised to seek professional advice as mechanical fixings may need to be used. To adhere the tiles to the pedestal/wall surface it is advised a suitable wall tile adhesive/mortar is used.

Characteristics	Technical Features	Specification	Values Required	L'Altra Pietra Values
Regularity Characteristics	Length & Width	ISO - 10454-2	0.6% = 2mm(+/-)	In Accordance
	Thickness	ISO - 10454-2	5.0% = 5mm(+/-)	In Accordance
	Squareness	ISO - 10454-2	0.5% = 2mm(+/-)	In Accordance
	Straightness of Edges	ISO - 10454-2	0.5% = 1.5mm(+/-)	In Accordance
	Flatness of Surface	ISO - 10454-2	0.5% = 2mm(+/-)	In Accordance
Structual Characteristics	Water Absorption	ISO - 10545-3	0.50%	0.10%
	Breaking Strength	ISO - 10545-4	1300 N	13000 N
	Breaking Load Class	EN 1339		U11 / T11
Surface Characteristics	Resistance to deep abrasion	ISO - 10545-6	175mm <sup>3</sup>	145mm <sup>3</sup>
Thermal & Hygrometric Characteristics	Linear thermal expansion	ISO - 10545-8	Test available	6.6x10 Deg C
	Thermal shock resistance	ISO-10545-9	Test available	Guaranteed
	Frost resistance	ISO-10545-12	Required	In Accordance
Chemical Characteristics	Chemical resistance	ISO - 10545-13	Test available	Guaranteed
	Resistance to staining	ISO - 10545-14	Test available	Guaranteed
Safety Slip Characteristics	Dynamic slider	BCRA	Test available	0.4
		ASTM-C1028	Test available	
	Inclined platform	DIN 51130	Test available	R11





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