



**STRATA**  
natural stone  

---

EXTERIORS



ISSUE 13

[stratastones.co.uk](http://stratastones.co.uk)





Strata Stones is the UK division of Stone Age, India's leading producer and exporter of ethically sourced natural stones

Strata Stones is part of the Stone Age Group



## WHO ARE WE?

Strata stones is the UK arm of the Stone Age Group of companies, based in India, where we operate our own quarry and manufacturing operations. As the sole UK supplier of a portfolio of natural stone products from our own quarries in India, we are the stone company of choice with our production and factory operations currently supplying 42 countries across every continent in the world.

We are “the stone people”, as the heart of our process is a deep knowledge of the raw material, gained from decades of expertise in extracting the stone from our own quarries in Kota, Rajasthan, and from our key partners strategically situated across India. Our team of natural stone specialists select the stone blocks on site at each quarry to ensure it is free from faults and imperfections, before transporting to one of our three highly automated manufacturing facilities located near Jaipur, India.



British Association of Landscape Industries



## WHY IS THIS IMPORTANT?

Like most things you make or build, the selection of quality raw materials is fundamental to the quality and durability of the investment you will make, as well as knowing exactly where and how the material used for manufacture is extracted. Only Strata have a team of directly employed specialists who check each stage of the process, from sourcing the stone to the manufacture of the paving you buy to install. This guarantees our products are manufactured to the highest standards, in accordance with the harmonised European standards for manufacturing compliance and material sourcing, and is embraced by the CE mark as standard on all our products.

Strata Stones are also a member of the UK Natural Stone Federation, with whom we work to validate and support the credentials we offer to our customers. In addition all our documentation, procedures and practises are independently audited and comply with ISO9001:2008 and SA8000:2008, by TUV Rheinland, a leading international body for the certification of safety and quality in products, processes and management systems.

Only customers buying Strata products can be assured that the stone they buy is sourced from quarries and manufacturing operations that fully embrace ethical trading standards.



Federation  
stone  
Great Britain







**Our own quarry operations and factory facilities offering multiple natural stone finishes and processes are unequalled by any other UK supplier of Indian natural stone products.**

When you buy stone from Strata, you do so in the knowledge that our Indian based teams are regularly checking the material used, and that the many different finishes shown in this brochure are processed through our own factories, thereby checked by our Quality Assurance teams before dispatch to our customers worldwide.



Due to significant investment in our stone processing factories we are able to offer an extensive range of finishes as you will see in this brochure. This investment enables us to customise products and finishes to produce outstanding statement product for our customers in over 30 countries.

Our attention to quality and extensive range of stone solutions means we are able to supply the UK landscaping market, in addition to the interior and home furnishing markets utilising both traditional sawing and processing techniques for natural stone as well as 21st century CNC computer controlled technology.







## WHY YOU SHOULD CHOOSE STRATA NATURAL STONE

### TOTAL SUPPLY CHAIN MANAGEMENT

We are the only UK company offering total supply chain management, from our own quarries in India\* through to our own manufacturing operations that process and package the full range of textures and finishes that we offer. This includes our own distribution hub in Ipswich, where we stock our natural stone paving and interior tiles on our 7 acre site, and from where we can dispatch all over Europe to meet the specific needs of our customers, whether it be one tile, one crate, or a full 24 ton load.



*\*Where the quarry of origin is not owned by Stone Age, our team of natural stone specialists select the rock prior to manufacture.*



### QUALITY ASSURANCE

The beauty of natural stone is that each product has its own unique signature, through its shading, texture, and the individual aesthetic characteristics that are common with the different types of natural stone that are incorporated in our portfolio.

At Strata exteriors our manufacturing process embraces quality procedure that includes pre-determined range samples and specifications to enable our QA teams to test and measure our products to the specifications we offer to our customers.

Quality is paramount, so we ensure that only the best quality rock is selected for use in the manufacture of our products to ensure that our customers receive paving that is manufactured from only the best quality sandstone, limestone and granites. Soft sandstone sold cheaply tends to suffer from poor compaction and is more susceptible to splitting and surface delamination due to high algae growth. These factors if present in Indian sandstone will undermine the durability of your paving long after installation. All our products comply with the CE mark.

### ETHICAL TRADING AND HEALTH & SAFETY

"All aspects of ethical trading are a way of life at Stone Age and were introduced into the work culture way before this important subject was made public!"

*Sanjeev Agrawal - Executive Chairman*

Our ethical and health and safety policies ensure that our employees' safety is our priority and that safe working practises are employed across the business. No child or forced labour is ever employed by our company.

Stone Age also operates a charitable trust and contributes from its UK and Indian profits to local educational and health establishments, enabling support for local schools in Jaipur and free treatment and medical equipment for the children with thalassemia, a genetic disorder.







## AN INTRODUCTION TO OUR PRODUCTS

Natural stone is recognised as the material of choice in residential and commercial projects all over the world due to the unique beauty of the material, and the unspoken statement of timelessness, quality and prestige that it conveys.

As we are “the stone people”, our concentration and focus is to continually investment in our stone processing factories and ensure we are able to offer an extensive range of finishes and custom solutions for our customers, some of which are shown in our brochure.

Our attention to quality and extensive range of stone solutions means we offer our customers a complementary range of natural stone solutions for the interior and exterior surfaces in any project. This means that our portfolio of products necessitates invest in the traditional sawing and processing techniques for natural stone, as well as 21st century CNC computer controlled technology.

At Strata our portfolio of stone includes many finishes and textures to enable our clients to create different styles and effects, but if you are looking for something unique let us know, and our Design and Technology team will work with you to achieve your objective.

Call our Customer Service team on **+44 (0)1473 917345** and discuss your customised natural stone ideas.



### **HONED FINISH**

This is achieved by sawing a block of stone into tiles and carrying out a secondary mechanical process to hone the surface to create a semi-polished smooth appearance.

### **SANDED FINISH**

In this collection, sawn stone tiles are subjected to a pressurized flow of fine sand resulting in a uniform lightly textured non-slip surface.

### **NATURAL CLEFT SAWN EDGES**

As the title suggests, edges of natural cleft stone tiles are sawn cut to create smooth and straight lines, allowing for tighter grouting joints during installation.

### **TUMBLLED FINISH**

Stone tiles are encased in rotating metal tumbling drums along with ceramic beads, whereby their continuous rubbing motion against the stone gives the surface and edges an “aged” and weathered appearance.

### **TUMBLLED & BRUSHED FINISH**

The surface of the stone is processed with heavy duty, hard bristled brushes to give the appearance of “old” worn and smooth stones often seen in heritage buildings.

### **NATURAL CLEFT HAND CUT EDGES**

These are the terms used to refer to the stone when it has a natural finish, whereby each tile has been split by hand from a large block, along its natural laying seam and then set sized tiles are created using a chisel, slaters axe or hammer to create a very natural look surface and edge.



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HONED FINISH

24 Venetian Paving

SANDED FINISH

38 Salerno Paving  
80 Meridian Cladding  
88 Bull Nosed Steps

NATURAL CLEFT, SAWN EDGES

CHOOSE BY FINISH

30 Amalfi Paving  
34 Sorrento Paving  
56 Paving Setts  
60 Calibrated Block Setts  
84 Coping  
86 Edging

TUMBLED FINISH

20 Historical Paving

THUMBLED & BRUSHED FINISH

42 Whitchurch Paving  
48 Kendal Paving  
70 Classic Circle  
64 Square Setts  
66 Granite Setts  
82 Walling  
92 Stepping Stones

NATURAL CLEFT, HAND CUT EDGES

CHOOSE BY CATEGORY





Honed finish

14 ELEGANCE PAVING



Honed finish

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Tumbled and brushed finish

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NEW

Sanded finish

24 VENETIAN PAVING



NEW

Tumbled finish, hand cut edges

30 AMALFI PAVING



Tumbled finish

34 SORRENTO PAVING



Natural cleft, sawn edges

38 SALERNO PAVING



Natural cleft, hand cut edges

42 WHITCHURCH PAVING



Natural cleft, hand cut edges

48 KENDAL PAVING



Polished finish

52 PORCELAIN TILES



STRATA  
natural stone

EXTERIORS

# GARDENS & PATIOS

CATEGORY

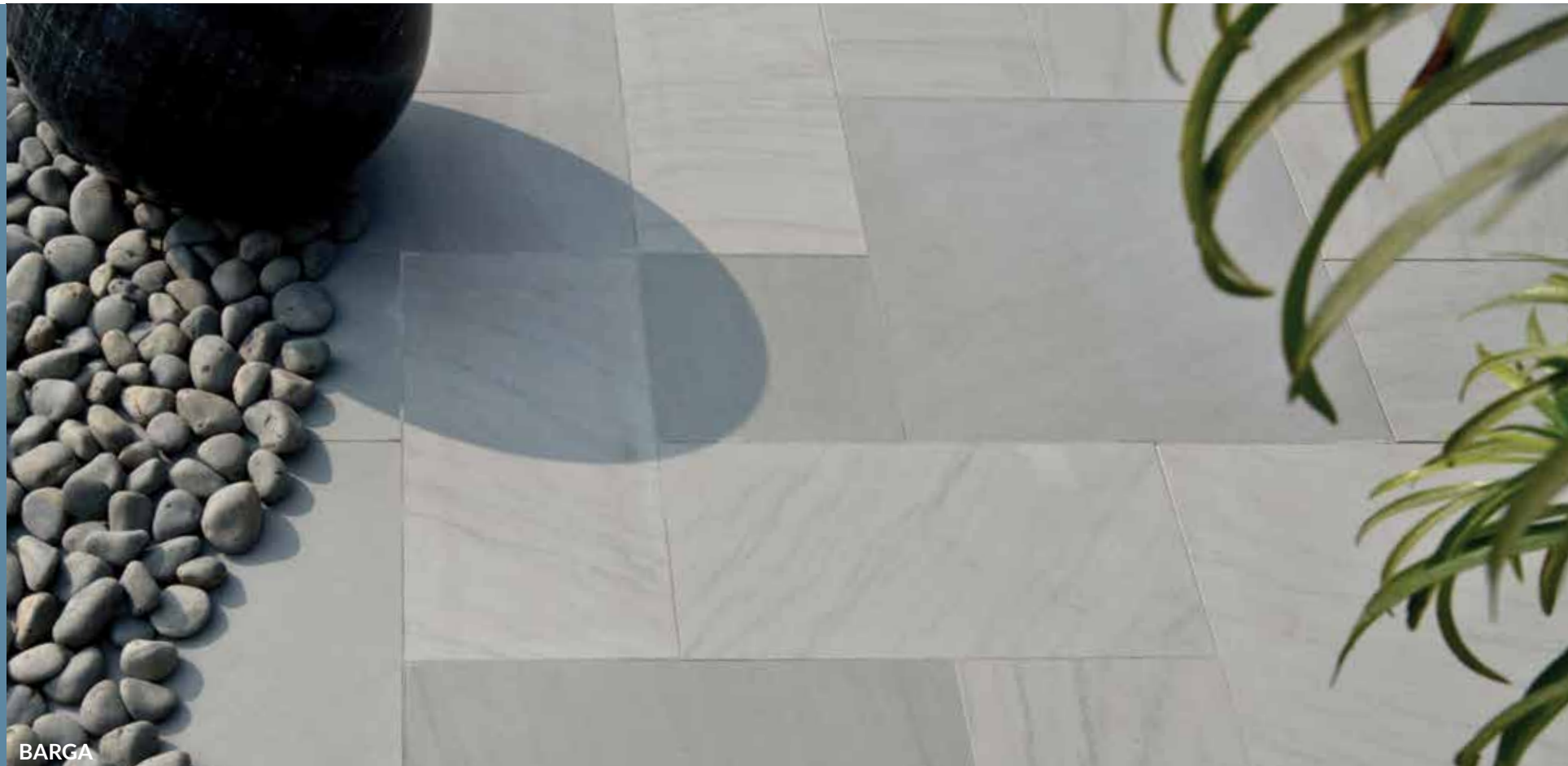




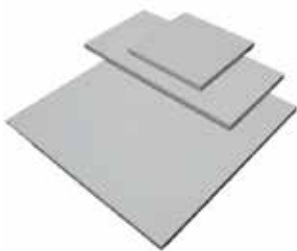
# ELEGANCE

## PAVING

This stylish honed sandstone is available in five unique colours providing you with an attractive, smooth paving that can be used on its own or in conjunction with our planked paving. The sawn edges and surface of this paving will give a contemporary ambience to any design.



BARGA



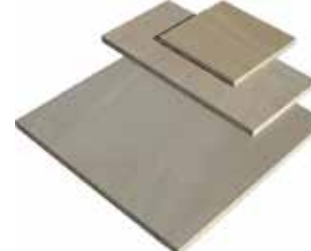
BARGA (Sandstone)		
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
300 x 300 x 20	12 each	11.52
600 x 300 x 20	26 each	
600 x 600 x 20	16 each	
600 x 600 x 20	42 each	15.12



SIENA (Sandstone)		
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
300 x 300 x 20	12 each	11.52
600 x 300 x 20	26 each	
600 x 600 x 20	16 each	



RIMINI (Sandstone)		
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
300 x 300 x 20	12 each	11.52
600 x 300 x 20	26 each	
600 x 600 x 20	16 each	
300 x 300 x 20	168 each	15.12
600 x 300 x 20	84 each	15.12
600 x 600 x 20	42 each	15.12
600 x 900 x 20	42 each	22.68



FORLI (Sandstone)		
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
300 x 300 x 20	12 each	11.52
600 x 300 x 20	26 each	
600 x 600 x 20	16 each	



RUFINA (Sandstone)		
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
300 x 300 x 20	12 each	11.52
600 x 300 x 20	26 each	
600 x 600 x 20	16 each	

### KEY FEATURES

- CALIBRATED THICKNESS
- HONED SURFACE
- SAWN SIDES



RIMINI



ELEGANCE PAVING

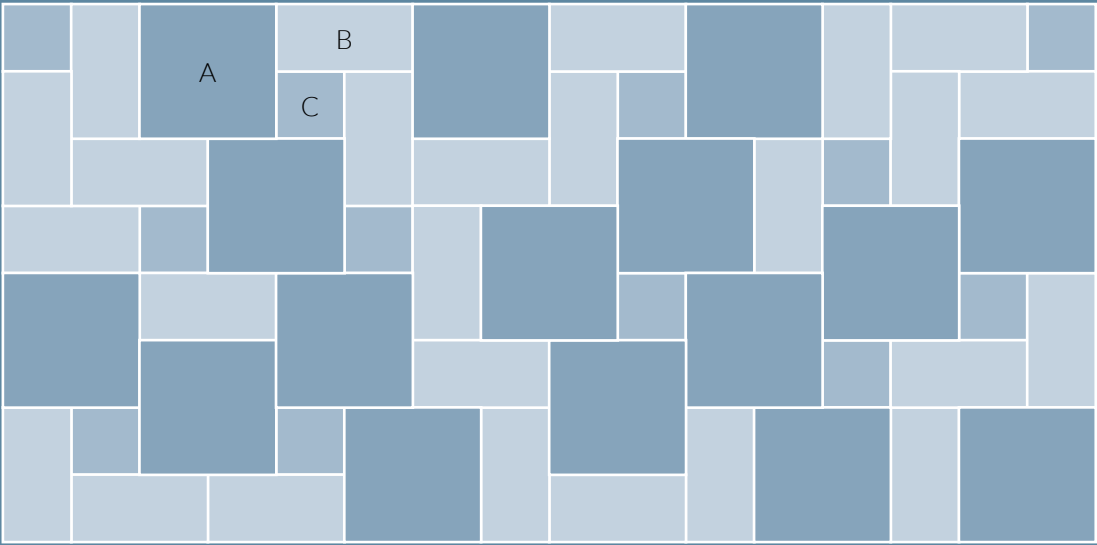
Project Pack

Covered area - 11.52m<sup>2</sup>

A: 600 x 600mm 16 pcs

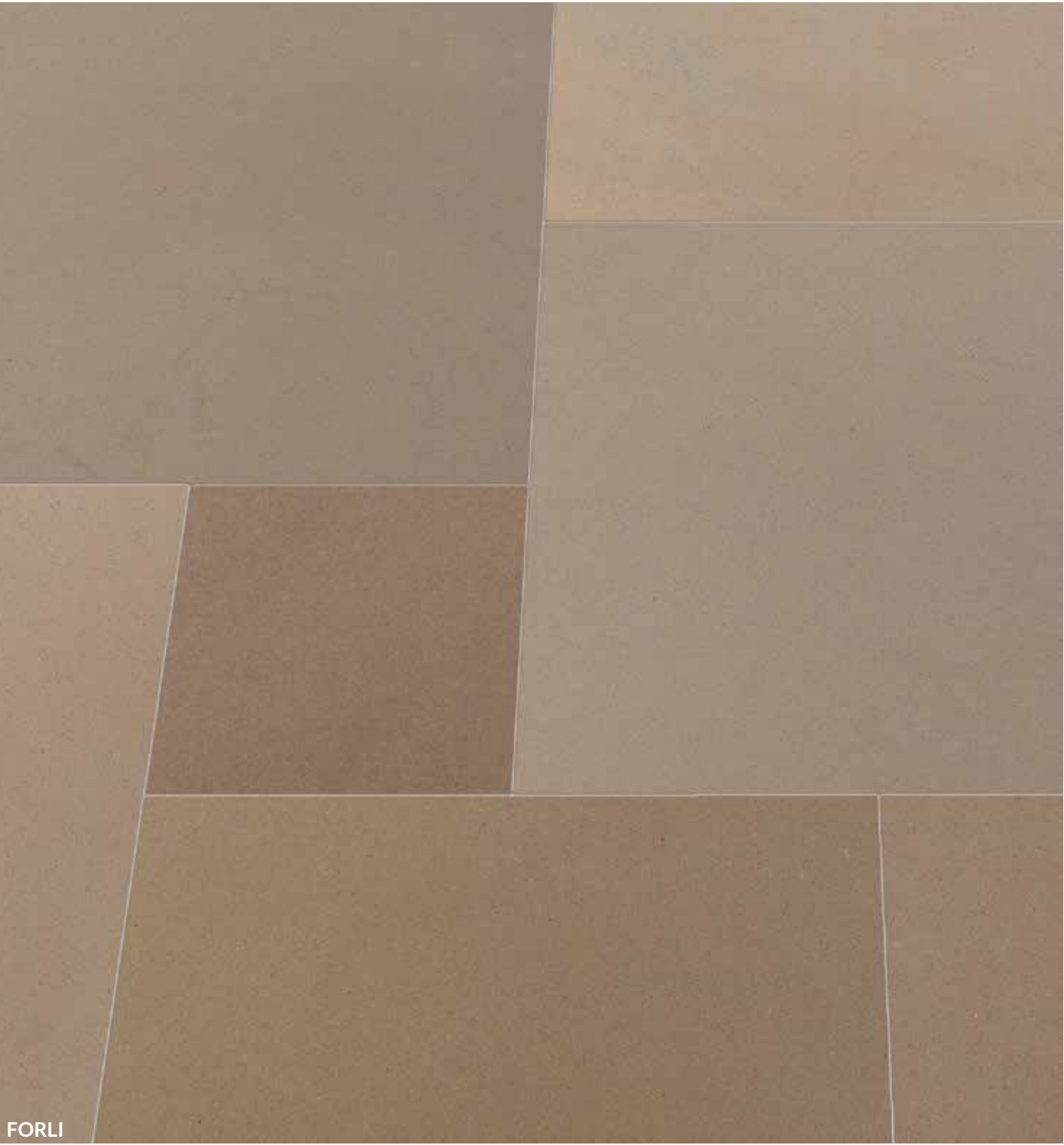
B: 600 x 300mm 26 pcs

C: 300 x 300mm 12 pcs



ELEGANCE PAVING

Honed finish



FORLI



RUFINA

Coverage shown is attained when laid with minimal joints.  
Images are for guidance only; variations in colour, texture, size and markings are inherent characteristics of natural stone.





# ELEGANCE

## PLANKS

A beautiful sawn sandstone paving that portrays a superior feel of quality and creates an individual look to your patio. Planks can also be used to achieve a lengthening or widening affect where space is at a premium.

SIENA



SIENA (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
140 x 840 x 20	192	22.58



RIMINI (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
140 x 840 x 20	192	22.58

### KEY FEATURES

- CALIBRATED THICKNESS
- HONED SURFACE
- SAWN SIDES

RIMINI







# HISTORICAL

## PAVING

The exclusive finish creates the look of a ‘time worn’ stone. Its surface combines smoother undulating patches with textured areas that replicate stone that have been walked over for centuries.

The Strata Historical Collection is unique and it combines the use of stone masons to hand chisel the surface of each stone before tumbling and brushing to provide a more authentic texture and finish that replicates many of the traditional flags found across various regions in the UK.



ABBEY



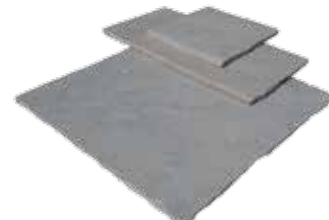
ABBEY (Limestone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
290 x 290 x 22	12 each	11.79
600 x 290 x 22	26 each	
600 x 600 x 22	16 each	



HEMBURY (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
290 x 290 x 22	12 each	11.79
600 x 290 x 22	26 each	
600 x 600 x 22	16 each	



MANOR (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
290 x 290 x 22	12 each	11.79
600 x 290 x 22	26 each	
600 x 600 x 22	16 each	



CASTLE (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
290 x 290 x 22	12 each	11.79
600 x 290 x 22	26 each	
600 x 600 x 22	16 each	



FARMCOTE (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
290 x 290 x 22	12 each	11.79
600 x 290 x 22	26 each	
600 x 600 x 22	16 each	

### KEY FEATURES

TUMBLED AND BRUSHED  
SURFACE

CUSHIONED EDGE



HEMBURY



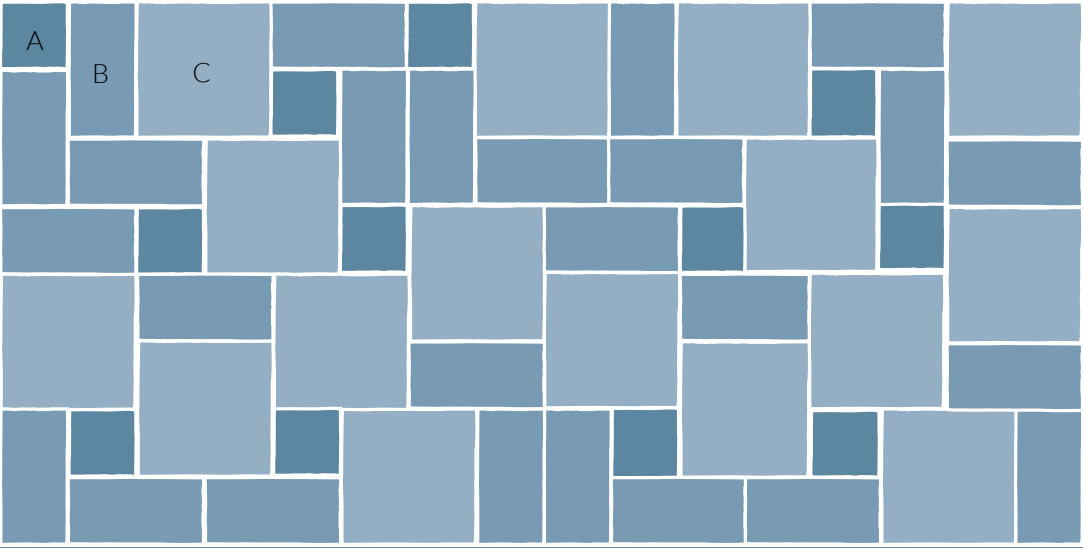
MANOR



HISTORICAL PAVING

Project Pack

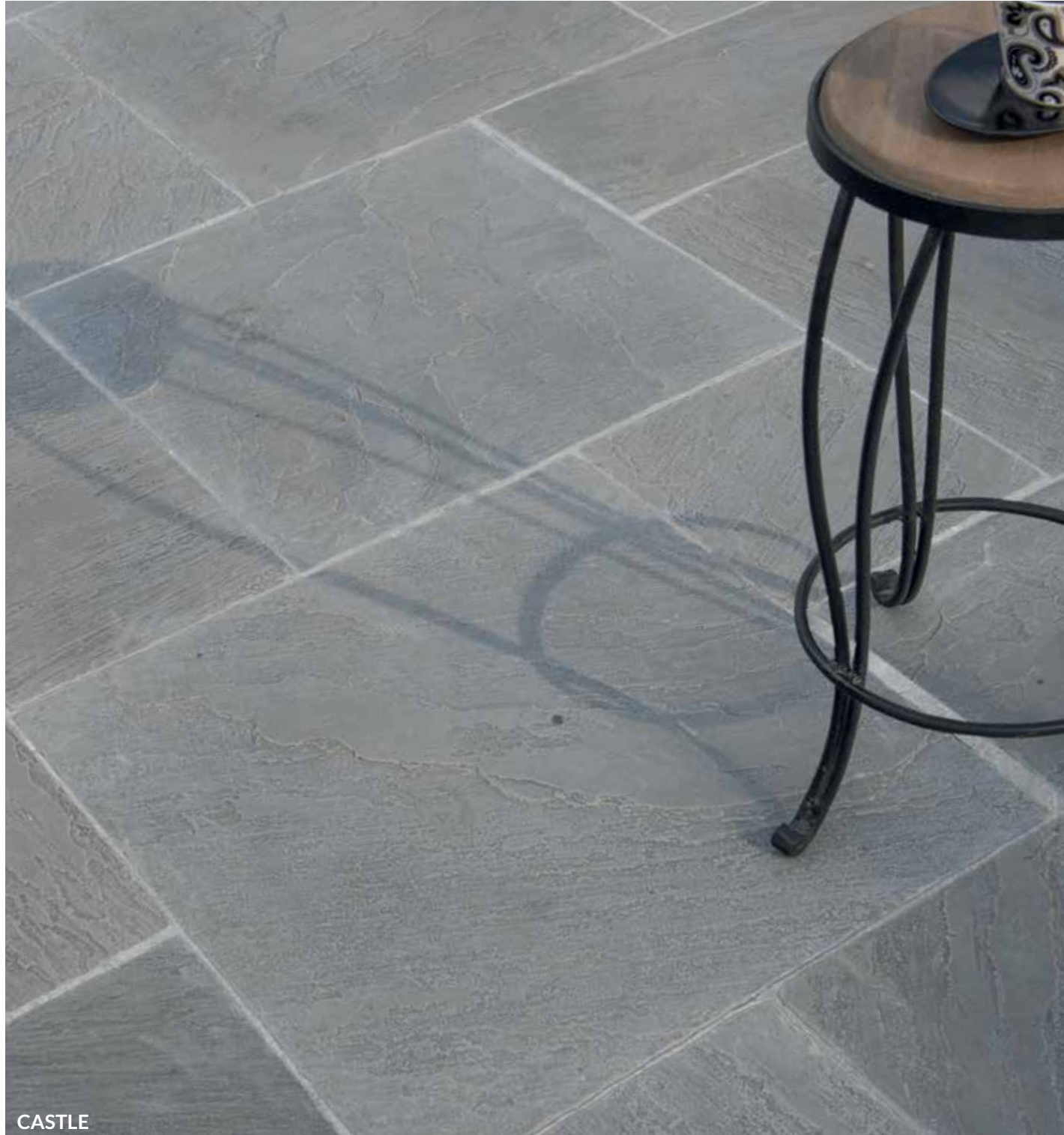
Covered area - 11.79m<sup>2</sup>  
A: 290 x 290mm 12 pcs  
B: 600 x 290mm 26 pcs  
C: 600 x 600mm 16 pcs



HISTORICAL PAVING

Tumbled & brushed finish

Coverage shown is attained when laid with minimal joints.  
Images are for guidance only; variations in colour, texture, size and markings are inherent characteristics of natural stone.



CASTLE



FARMCOTE





# VENETIAN

PAVING

This collection consists of sawn sandstone, quartzite, limestone and granite with lightly textured surfaces that provide slip resistant textured paving. This makes it ideal for a wide range of contemporary designs and can be used either internally or externally.



AZURE (Limestone)		
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
300 x 300 x 20	12 each	11.52
600 x 300 x 20	26 each	
600 x 600 x 20	16 each	



EBONY (Granite)		
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
300 x 300 x 20	25 each	15.39
600 x 300 x 20	25 each	
600 x 600 x 20	24 each	
600 x 600 x 20	42 each	15.12



RIALTO (Sandstone)		
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
300 x 300 x 20	12 each	11.52
600 x 300 x 20	26 each	
600 x 600 x 20	16 each	



SILVER MIST (Granite)		
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
300 x 300 x 20	25 each	15.39
600 x 300 x 20	25 each	
600 x 600 x 20	24 each	
600 x 600 x 20	42 each	15.12



KENSINGTON (Sandstone)		
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
1000 x 500 x 22		



SILVER GALACTICA Brushed (Quartzite)		
Size (mm)	Pcs./Crt	m <sup>2</sup> /Pack
600 x 600 x 12	70 each	
600 x 300 x 12	140 each	



STAR GALAXY Flamed (Quartzite)		
Size (mm)	Pcs./Crt	m <sup>2</sup> /Pack
600 x 600 x 12	140 each	
400 x 400 x 12		

## KEY FEATURES

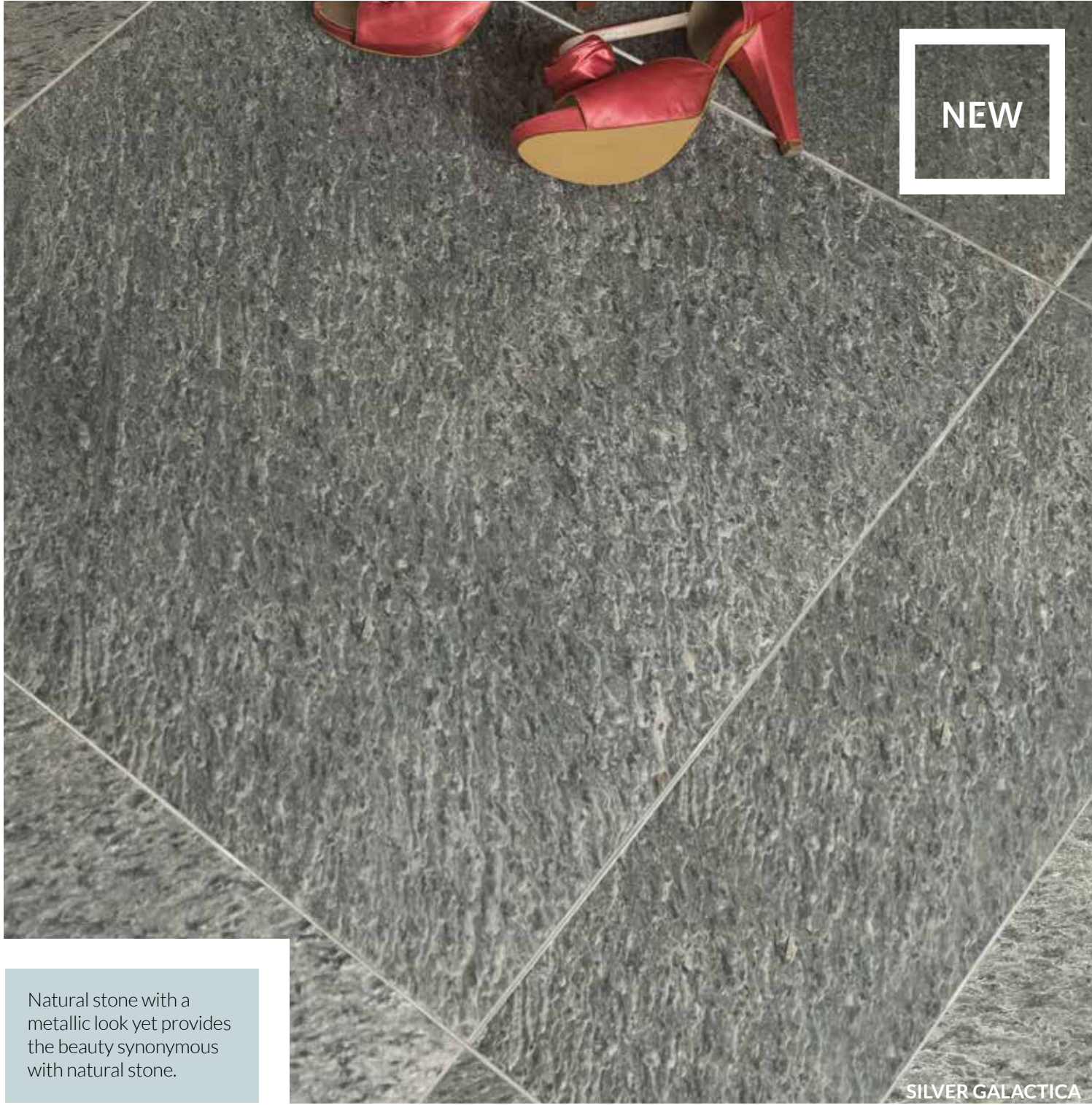
- A TEXTURED SURFACE TO GIVE A GOOD SLIP RESISTANCE TO ALL PAVING SURFACES
- ALL PAVING IS CALIBRATED
- ALL PAVING HAVE SAWN SIDES
- SURFACE TEXTURE IS MORE CONSISTENT DUE TO THE EXTRA SURFACE APPLICATION APPLIED DURING PRODUCTION



Kensington offers a textured large format paving slab that is indicative of indigenous yorkstone that paves many of the streets in London.



KENSINGTON



Natural stone with a metallic look yet provides the beauty synonymous with natural stone.

NEW

Natural stone with a metallic look yet provides the beauty synonymous with natural stone.



NEW



VENETIAN PAVING

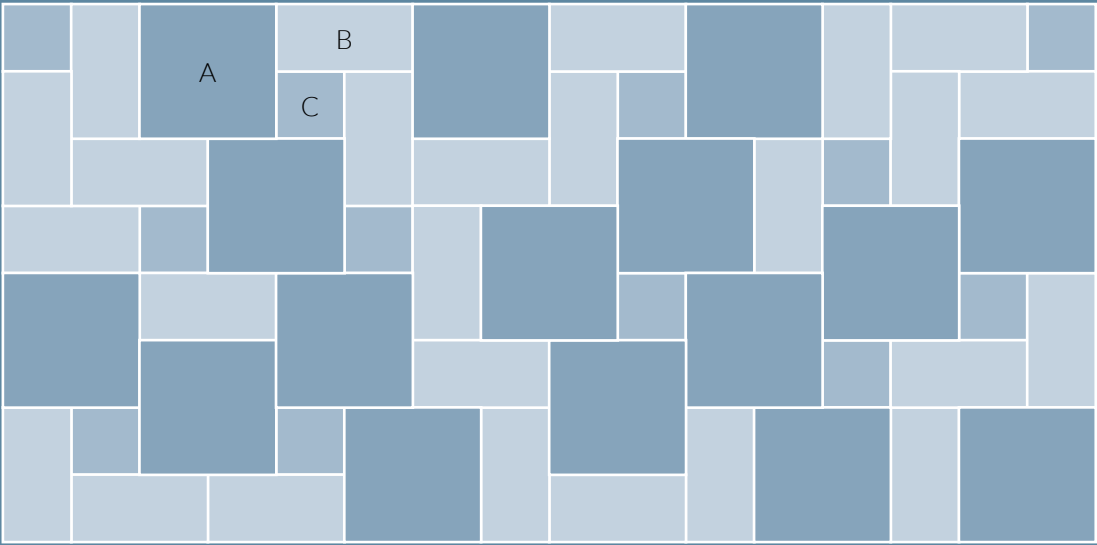
Project Pack

Covered area - 11.52m<sup>2</sup>

A: 600 x 600mm 16 pcs

B: 600 x 300mm 26 pcs

C: 300 x 300mm 12 pcs



VENETIAN PAVING

Sanded finish



RIALTO



SILVER MIST

Coverage shown is attained when laid with minimal joints.  
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# AMALFI

PAVING

This collection consists of a beautiful range of tumbled surface texture 22mm calibrated sandstone with cushioned edges.



RAJ



MINT (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pattern
600 x 900 x 22	15,25	
600 x 600 x 22		
600 x 290 x 22		
290 x 290 x 22		



RAJ (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pattern
600 x 900 x 22	15,25	
600 x 600 x 22		
600 x 290 x 22		
290 x 290 x 22		



CAMEL (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pattern
600 x 900 x 22	15,25	
600 x 600 x 22		
600 x 290 x 22		
290 x 290 x 22		

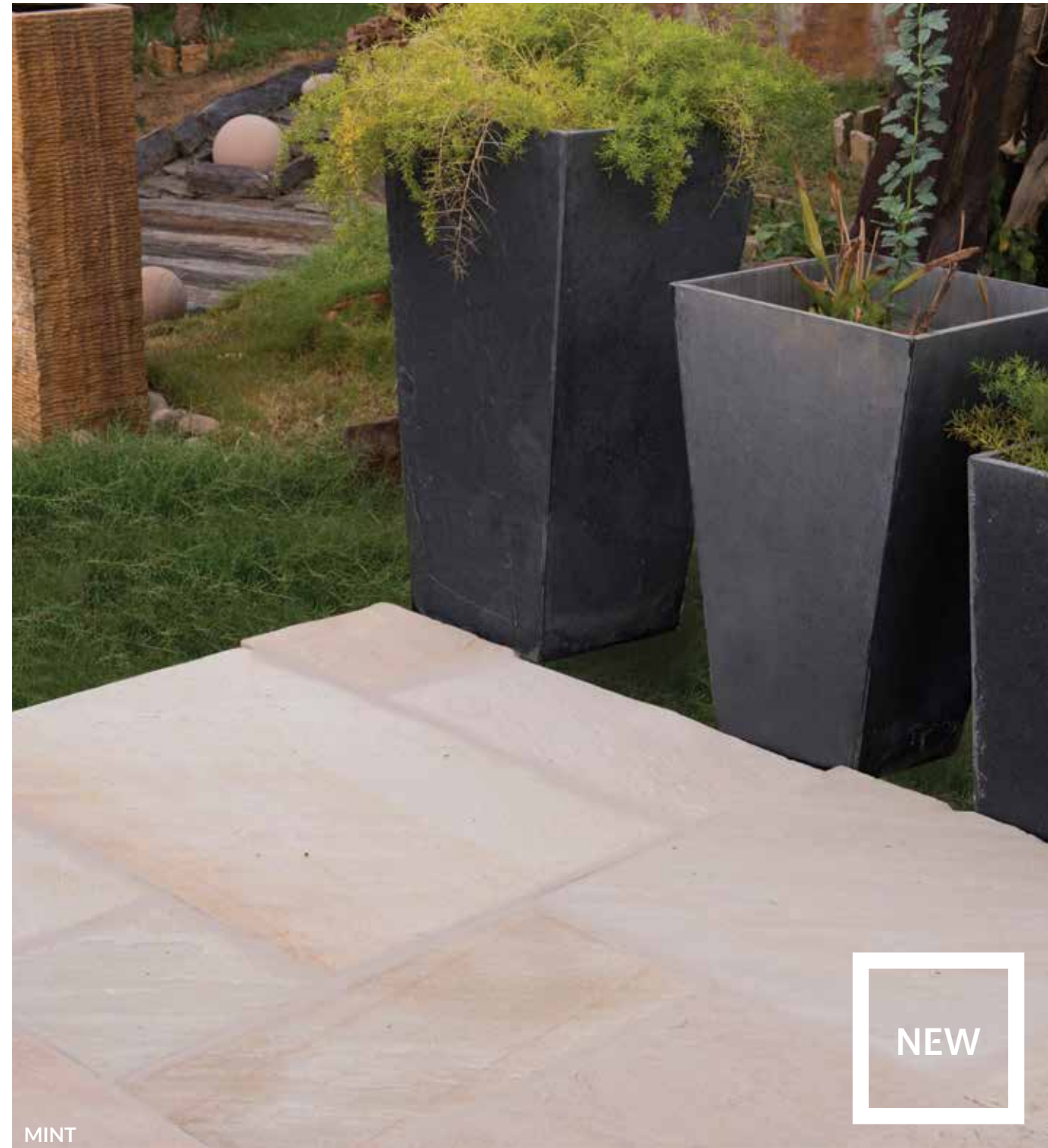


GREY (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pattern
600 x 900 x 22	15,25	
600 x 600 x 22		
600 x 290 x 22		
290 x 290 x 22		

## KEY FEATURES

- CALIBRATED THICKNESS
- TUMBLED SURFACE TEXTURE
- CUSHIONED EDGE



MINT

NEW

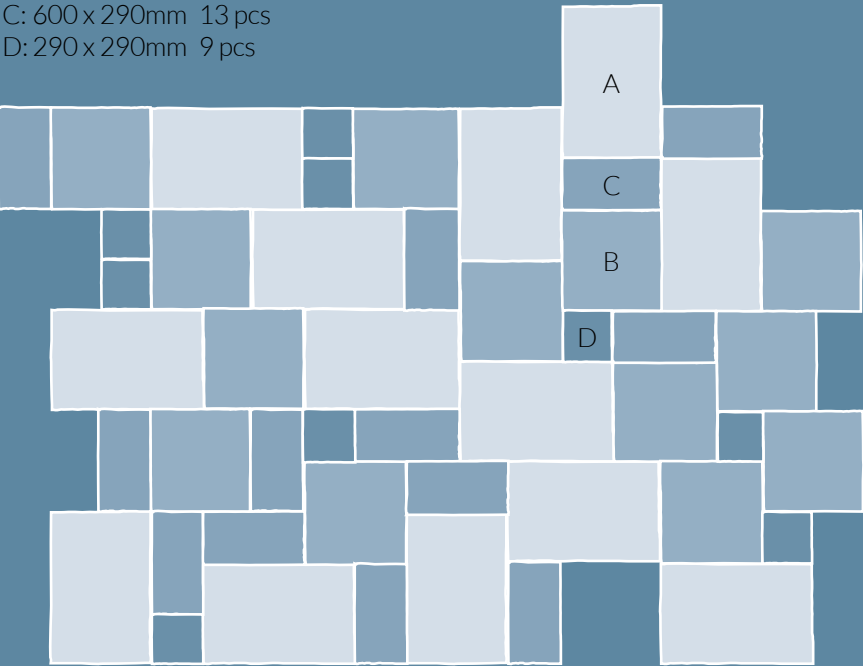


# AMALFI PAVING

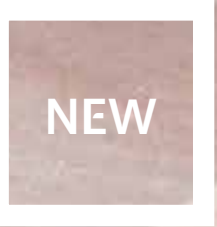
Project Pack

Covered area - 15.25m<sup>2</sup>

- A: 900 x 600mm 13 pcs
- B: 600 x 600mm 13 pcs
- C: 600 x 290mm 13 pcs
- D: 290 x 290mm 9 pcs



Coverage shown is attained when laid with minimal joints.  
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AMALFI PAVING

Tumbled, hand cut edges





# SORRENTO

PAVING

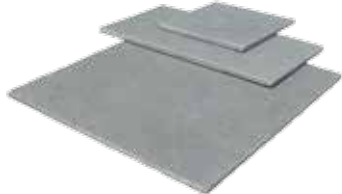
The Sorrento Collection is our new range of tumbled paving in calibrated natural sandstone and limestone. Having a natural cleft surface with sawn edge allows the slabs to be laid with a minimum gap in the jointing while the tumbling gives the slabs a character seen in paving found in a lot of HISTORICAL buildings! This collection is perfect for people looking for a product that gives just the right blend of contemporary with traditional character.



BELLA



BELLA (Limestone)		
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
300 x 300 x 20	25 each	15.39
600 x 300 x 20	25 each	
600 x 600 x 20	24 each	



ATELLA (Limestone)		
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
300 x 300 x 20	25 each	15.39
600 x 300 x 20	25 each	
600 x 600 x 20	24 each	



SANZA (Sandstone)		
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
300 x 300 x 20	25 each	15.39
600 x 300 x 20	25 each	
600 x 600 x 20	24 each	

## KEY FEATURES

- CALIBRATED THICKNESS
- TUMBLLED SURFACE
- SAWN SIDES



ATELLA



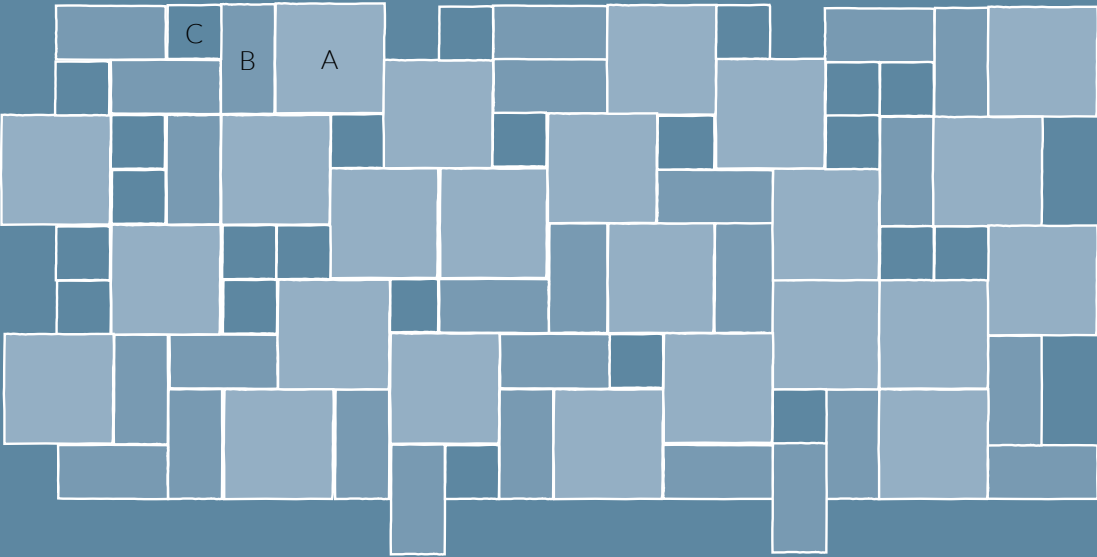


# SORRENTO PAVING

Project Pack

**Covered area - 15.39m<sup>2</sup>**

- A: 600 x 600mm 24 pcs
- B: 600 x 300mm 25 pcs
- C: 300 x 300mm 25 pcs



SORRENTO PAVING

Tumbled finish

Coverage shown is attained when laid with minimal joints.  
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# SALERNO

PAVING

The Salerno Collection is our exciting new range of paving in calibrated natural sandstone, limestone and slate. Having a natural cleft surface with sawn edge allows the slabs to be laid with a minimum gap in the jointing. It gives the patio a contemporary ambience whilst retaining the traditional characteristic of a natural stone patio.



CALVERA



TORO



TEORA



CALVERA (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
300 x 300 x 20	25 each	15.39
600 x 300 x 20	25 each	
600 x 600 x 20	24 each	



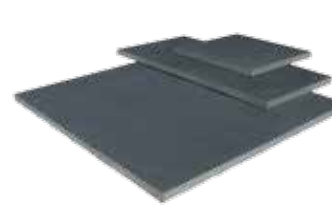
META (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
300 x 300 x 20	25 each	15.39
600 x 300 x 20	25 each	
600 x 600 x 20	24 each	



TEORA (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
300 x 300 x 20	25 each	15.39
600 x 300 x 20	25 each	
600 x 600 x 20	24 each	



TORO (Limestone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
300 x 300 x 20	25 each	15.39
600 x 300 x 20	25 each	
600 x 600 x 20	24 each	



RUSTIC (Slate)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
300 x 300 x 20	25 each	15.39
600 x 300 x 20	25 each	
600 x 600 x 20	24 each	



OLIVE BLACK (Slate)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
300 x 300 x 20	25 each	15.39
600 x 300 x 20	25 each	
600 x 600 x 20	24 each	

## KEY FEATURES

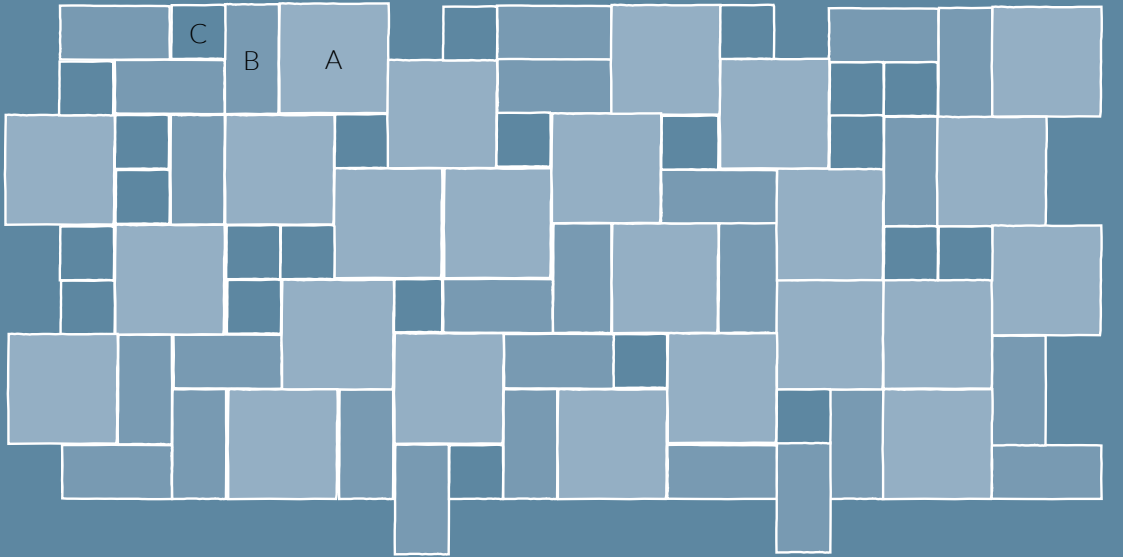
CALIBRATED THICKNESS  
CLEFT TEXTURE  
SAWN EDGE



# SALERNO PAVING

## Project Pack

**Covered area - 15.39m<sup>2</sup>**  
A: 600 x 600mm 24 pcs  
B: 600 x 300mm 25 pcs  
C: 300 x 300mm 25 pcs



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RUSTIC



OLIVE BLACK



META







# WHITCHURCH

PAVING

The Whitchurch paving collection offers a choice of twelve attractive colours in natural hand cut sandstones and limestones that have been selected to provide you with a wide array of choice. We are confident that such a wide choice is not available from any other source in the UK. All the stone is packed at our own facilities in India and comes from our own or approved quarries. This not only assures a top quality product but also a stone that has been ethically sourced and produced.

MINT



GLENDALE (Sandstone)			
Size (mm)	Pcs./Pack	m²/Pack	Single Size Available
600 Series Mixed Packs	48	15.25	N
Also available in 22mm calibrated thickness			



MINT (Sandstone)			
Size (mm)	Pcs./Pack	m²/Pack	Single Size Available
600 Series Mixed Packs	48	15.25	Y
Also available in 22mm calibrated thickness			



GOLDEN (Sandstone)			
Size (mm)	Pcs./Pack	m²/Pack	Single Size Available
600 Series Mixed Packs	48	15.25	N
Also available in 22mm calibrated thickness			



RAJ (Sandstone)			
Size (mm)	Pcs./Pack	m²/Pack	Single Size Available
600 Series Mixed Packs	48	15.25	Y
Also available in 22mm calibrated thickness			

## KEY FEATURES

CALIBRATED THICKNESS  
CLEFT TEXTURE  
HAND CUT EDGE



GREY (Sandstone)			
Size (mm)	Pcs./Pack	m²/Pack	Single Size Available
600 Series Mixed Packs	48	15.25	Y
Also available in 22mm calibrated thickness			



CAMEL (Sandstone)			
Size (mm)	Pcs./Pack	m²/Pack	Single Size Available
600 Series Mixed Packs	48	15.25	Y
Also available in 22mm calibrated thickness			



HOLTON LIME (Limestone)			
Size (mm)	Pcs./Pack	m²/Pack	Single Size Available
600 Series Mixed Packs	48	15.25	N



BLACK LIME (Limestone)			
Size (mm)	Pcs./Pack	m²/Pack	Single Size Available
600 Series Mixed Packs	48	15.25	Y
Also available in 22mm calibrated thickness			



MODAK (Sandstone)			
Size (mm)	Pcs./Pack	m²/Pack	Single Size Available
600 Series** Mixed Packs	48	15.25	N



KOTAH BLUE LIME (Limestone)			
Size (mm)	Pcs./Pack	m²/Pack	Single Size Available
600 Series Mixed Packs	48	15.25	N



AUTUMN (Sandstone)			
Size (mm)	Pcs./Pack	m²/Pack	Single Size Available
600 Series** Mixed Packs	48	15.25	N



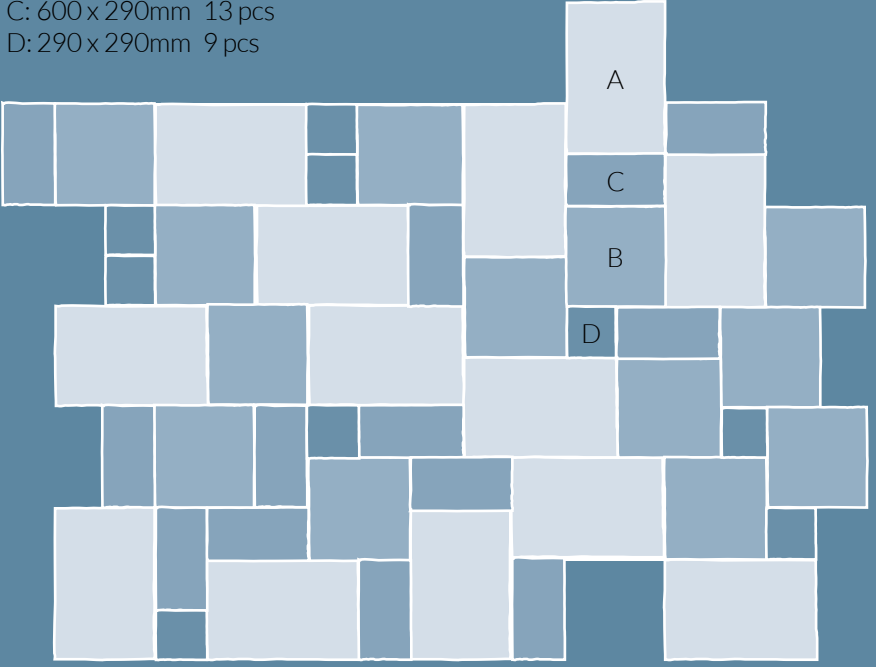




# WHITCHURCH PAVING

## Project Pack

**Covered area - 15.25m<sup>2</sup>**  
A: 900 x 600mm 13 pcs  
B: 600 x 600mm 13 pcs  
C: 600 x 290mm 13 pcs  
D: 290 x 290mm 9 pcs



Coverage shown is attained when laid with minimal joints.  
Images are for guidance only; variations in colour, texture, size and markings are inherent characteristics of natural stone.



CAMEL



KOTAH BLUE LIME



HOLTON





# KENDAL

PAVING

A collection of high quality sandstone paving which has been specially selected for their low thickness. The 15 – 25mm thickness of the paving in this collection makes them perfectly suitable for large areas or for patios where depth is at a premium.



AUTUMN



CAMEL



CAMEL (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
600 Series	72	23.10
Mixed Packs		



GREY (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
600 Series	72	23.10
Mixed Packs		



RAJ (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
600 Series	72	23.10
Mixed Packs		



AUTUMN (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
600 Series	72	23.10
Mixed Packs		

## KEY FEATURES

UNCALIBRATED  
CLEFT TEXTURE  
HAND CUT EDGE



# KENDAL PAVING

## Project Pack

Covered area - 23.10m<sup>2</sup>

- A: 600 x 900mm 21 pcs
- B: 600 x 600mm 17 pcs
- C: 600 x 290mm 22 pcs
- D: 290 x 290mm 12 pcs



Coverage shown is attained when laid with 10mm joints.  
Images are for guidance only; variations in colour, texture, size and markings are inherent characteristics of natural stone.

KENDAL PAVING

Natural cleft, hand cut edges



GREY

RAJ





# PORCELAIN TILES

Our porcelain tiles are produced in a collection of four colours to offer our customers a manufactured product that provides an ultra modern style for use in external applications.

Our portfolio of tiles are fired at temperatures up to 1400 degrees to provide a dense and durable paving with textured finishes to ensure a minimum R12 slip resistance is achieved.

BEIGE



WHITE		
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
600 x 600 x 20	60	21.6



BLACK		
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
600 x 600 x 20	60	21.6



GREY		
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
600 x 600 x 20	60	21.6



BEIGE		
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
600 x 600 x 20	60	21.6



BLACK





STRATA  
natural stone

EXTERIORS

# DRIVES & PATHS

CATEGORY



Tumbled finish

56 PAVING SETTS



Tumbled finish

60 CALIBRATED BLOCK SETTS



Natural cleft, hand cut edges

64 SQUARE SETTS



Natural cleft, hand cut edges

66 GRANITE SETTS





# PAVING

## SETTS

Our range of tumbled Pave Setts is hand chipped and tumbled to give a vintage appearance and is a perfect alternative to reclaimed setts. The premixed packs give you many design options and are ideal for driveways, paths or as edgings to paved areas.

CAMEL



CHARCOAL



CAMEL (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
25-40H x 240W x 160L	144 each	13.46
25-40H x 160W x 160L	144 each	
25-40H x 120W x 160L	144 each	



CHARCOAL (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
25-40H x 240W x 160L	144 each	13.46
25-40H x 160W x 160L	144 each	
25-40H x 120W x 160L	144 each	



TUSCAN (Limestone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
25-40H x 240W x 160L	144 each	13.46
25-40H x 160W x 160L	144 each	
25-40H x 120W x 160L	144 each	



GREY (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
25-40H x 240W x 160L	144 each	13.46
25-40H x 160W x 160L	144 each	
25-40H x 120W x 160L	144 each	



MINT (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
25-40H x 240W x 160L	144 each	13.46
25-40H x 160W x 160L	144 each	
25-40H x 120W x 160L	144 each	



RAJ (Sandstone)

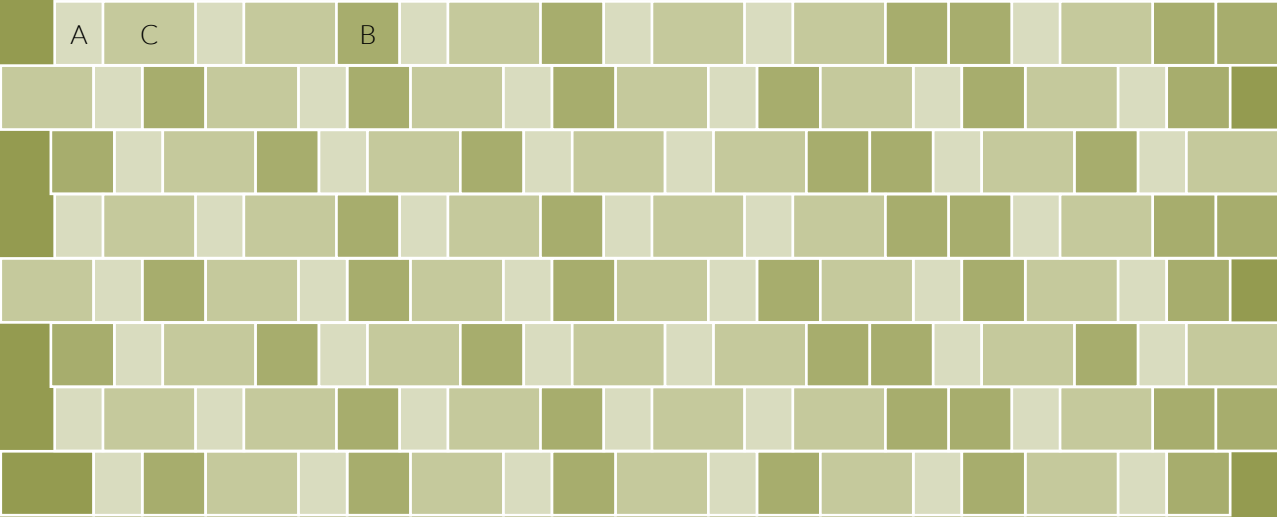
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
25-40H x 240W x 160L	144 each	13.46
25-40H x 160W x 160L	144 each	
25-40H x 120W x 160L	144 each	



PAVING SETTS

Layout

- A: 160 x 120mm
- B: 160 x 160mm
- C: 160 x 240mm



PAVING SETTS

Tumbled finish

Coverage shown is attained when laid with 10mm joints.  
Images are for guidance only; variations in colour, texture, size and markings are inherent characteristics of natural stone.







# CALIBRATED BLOCK SETTS

Our calibrated block setts are tumbled to create the aged appearance often found with reclaimed cobbles. Each block sett is also calibrated to enable easier installation to paths and drives. A traditional screeded paving sub base with sanded joints is possible due to the 40mm calibration to blocks to enable quicker and more cost effective installation.



MINT



CAMEL



MINT (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
40H* x 200W x 100L	600	13.86



CAMEL (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
40H* x 200W x 100L	600	13.86



RAJ (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
40H* x 200W x 100L	600	13.86



NEW

CHARCOAL (Sandstone)

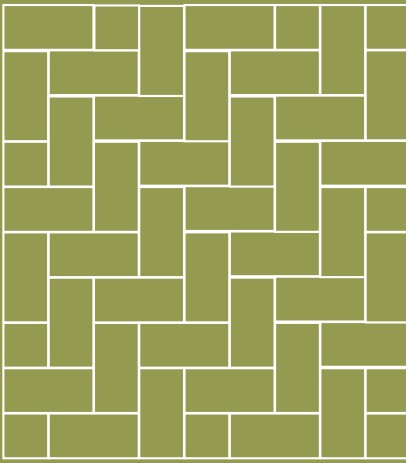
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
40H* x 200W x 100L	600	13.86



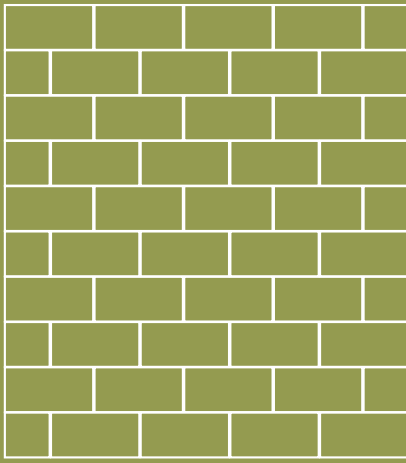
CALIBRATED BLOCK SETTS  
Patterns



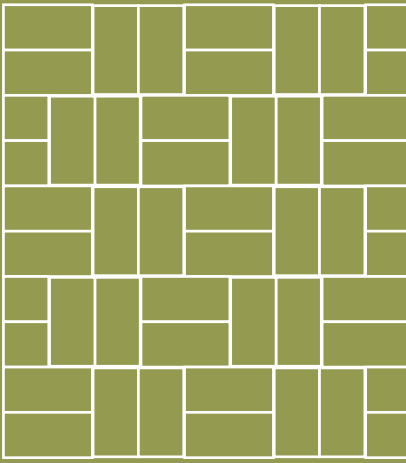
Pattern 1



Pattern 2



Pattern 3



Pattern 4

CALIBRATED BLOCK SETTS

Tumbled finish

Coverage shown is attained when laid with 10mm joints.  
Images are for guidance only; variations in colour, texture, size and markings are inherent characteristics of natural stone.







# SQUARE

SETTS

Our natural hand cut Square Setts are robust and durable and give a distinct and authentic appearance to any project. Ideal for courtyards, driveways, paths and patios when laid with an adequate sub-base and mortar bedded.

MINT



BLACK LIME



CAMEL



MINT (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
40-60H x 100W x 100L	960	11.62



RAJ (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
40-60H x 100W x 100L	960	11.62



CAMEL (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
40-60H x 100W x 100L	960	11.62



BLACK LIME (Limestone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
40-60H x 100W x 100L	960	11.62

Coverage shown is attained when laid with 10mm joints.  
Images are for guidance only; variations in colour, texture, size and markings are inherent characteristics of natural stone.





# GRANITE

SETTS

Granite Setts have been traditionally used for hundreds of years in the UK and provide an extremely hard and durable surface suitable for areas with potentially heavy traffic. These are ideally suited for driveways and hard standings if laid on a suitably adequate sub-base.



GREY



BLACK



GREY (Granite)		
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
40-60H x 100W x 100L	750	9.08

BLACK (Granite)		
Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
40-60H x 100W x 100L	750	9.08

Coverage shown is attained when laid with 10mm joints.  
Images are for guidance only; variations in colour, texture, size and markings are inherent characteristics of natural stone.





Natural cleft, hand cut edges

70 CLASSIC CIRCLE



Honed finish

76 ELEGANCE CIRCLE



Natural cleft, sawn edge

80 MERIDIAN CLADDING



Natural cleft, hand cut edges

82 WALLING



Tumbled finish

84 COPING



Tumbled finish

86 EDGING



Honed finish

88 BULL NOSED STEPS



Honed finish

90 BULL NOSED EDGING



Honed finish

92 STEPPING STONES



STRATA  
natural stone

EXTERIORS

# ACCESSORIES

CATEGORY





# CLASSIC

## CIRCLE

If you are interested in using paving circles to complement your patio slabs, then Strata has one of the widest selections of sizes, colours and designs to choose from. Classic natural stone paving circles come in a selection of six colours giving you the opportunity to match any type of Whitchurch sandstone or limestone paving you might choose.



MINT



BLACK LIME



MINT (Sandstone)			
Dia (metres)	Pcs./Set	No. of Rings	Squaring Off Kit
1.68	10	1	N
2.40	28	2	N
<b>2.45**</b>	<b>41</b>	<b>2</b>	<b>incl*</b>
2.85	48	2	<b>incl*</b>
4.00	87	3	<b>incl*</b>



BLACK LIME (Limestone)			
Dia (metres)	Pcs./Set	No. of Rings	Squaring Off Kit
<b>2.45**</b>	<b>41</b>	<b>2</b>	<b>incl*</b>
2.85	48	2	<b>incl*</b>



AUTUMN (Sandstone)			
Dia (metres)	Pcs./Set	No. of Rings	Squaring Off Kit
2.85	48	2	<b>incl*</b>



GREY (Sandstone)			
Dia (metres)	Pcs./Set	No. of Rings	Squaring Off Kit
2.85	48	2	<b>incl*</b>



CAMEL (Sandstone)			
Dia (metres)	Pcs./Set	No. of Rings	Squaring Off Kit
1.68	10	1	N
2.40	28	2	N
2.85	48	2	<b>incl*</b>
4.00	87	3	<b>incl*</b>



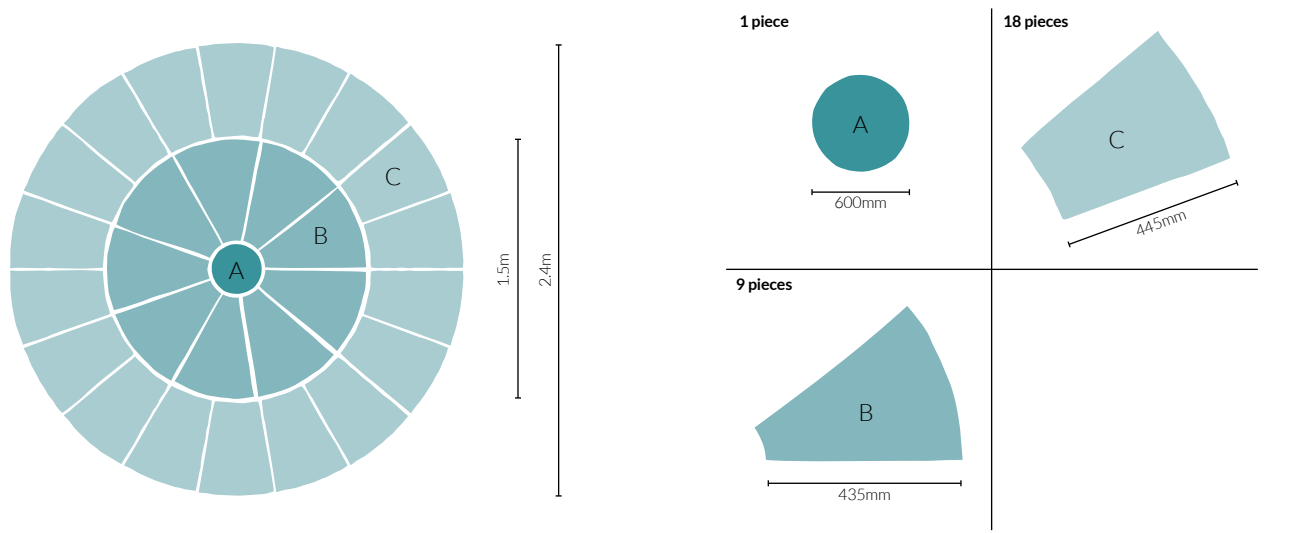
RAJ (Sandstone)			
Dia (metres)	Pcs./Set	No. of Rings	Squaring Off Kit
1.68	10	1	N
2.40	28	2	N
<b>2.45**</b>	<b>41</b>	<b>2</b>	<b>incl*</b>
2.85	48	2	<b>incl*</b>
4.00	87	3	<b>incl*</b>

Coverage shown is attained when laid with 10mm joints.  
**\*Squaring Off Kit included.**  
**\*\*Only available in 22mm calibrated thickness.**  
Images are for guidance only; variations in colour, texture, size and markings are inherent characteristics of natural stone.





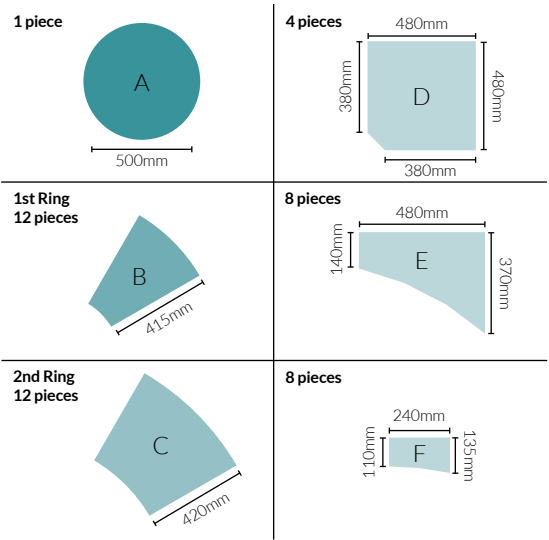
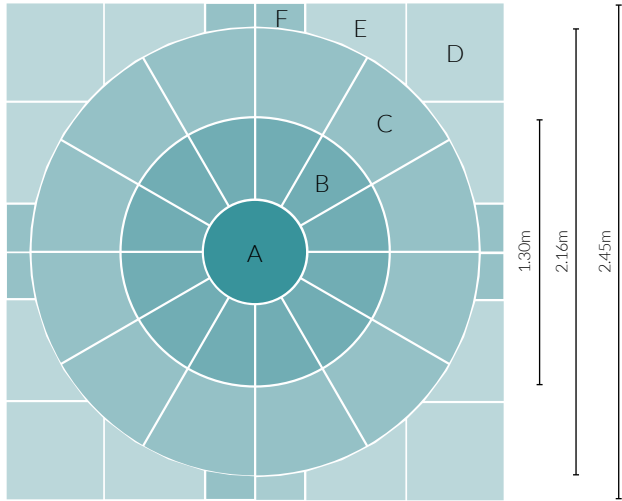
**CLASSIC CIRCLE**  
2.40m





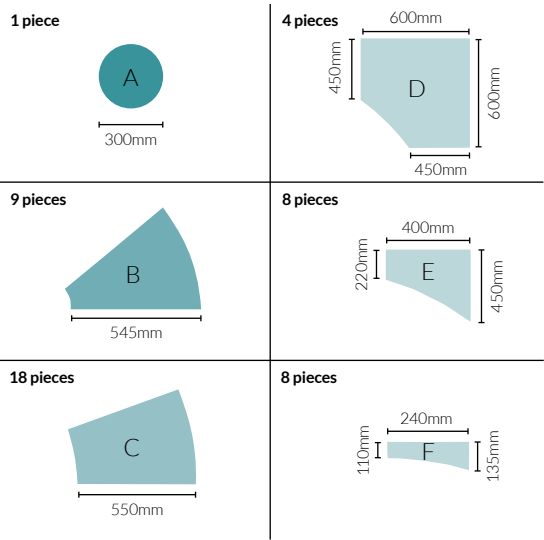
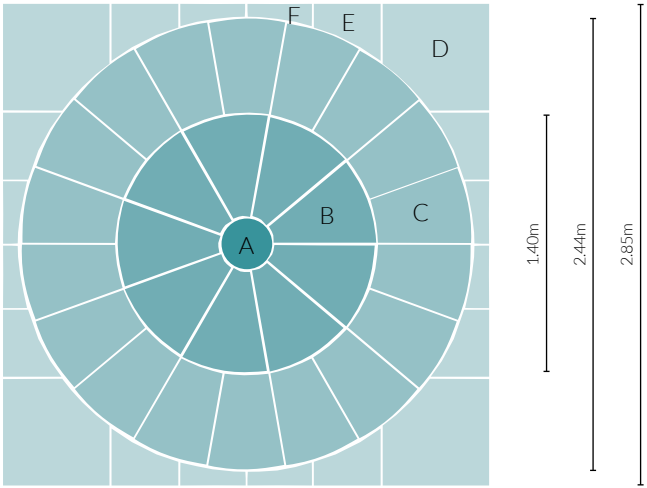
CLASSIC CIRCLE

2.45m  
22mm calibrated



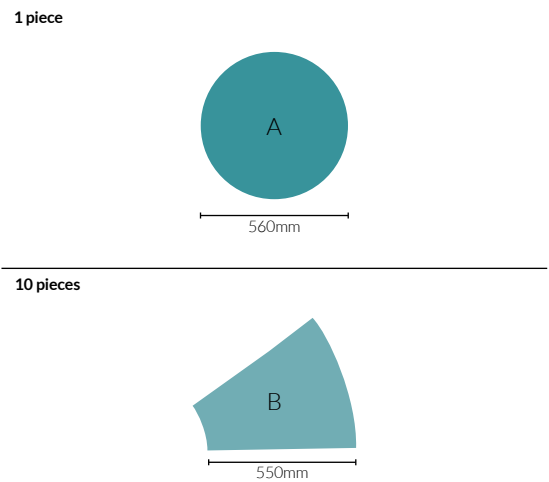
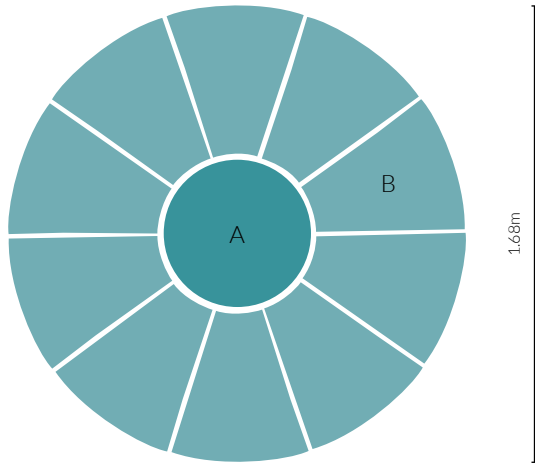
CLASSIC CIRCLE

2.85m



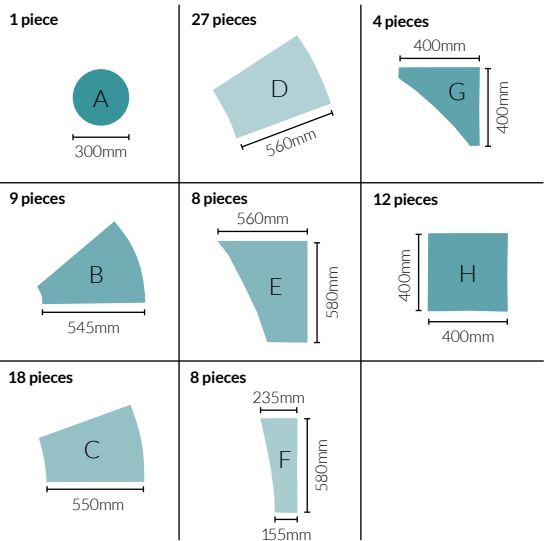
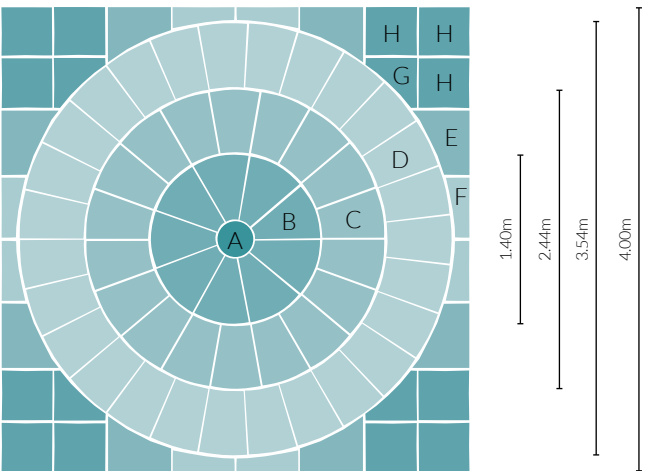
CLASSIC CIRCLE

1.68m



CLASSIC CIRCLE

4m







# ELEGANCE

## CIRCLE

A must have circular feature if you are using Rimini and Rufina honed paving from our Elegance Collection. The sawn edges and honed surface of these sandstone circles would look elegant in any contemporary setting.

ARC ELEGANCE - RUFINA



RUFINA (Sandstone)

Dia (metres)	Pcs./Set	No. of Rings	Squaring Off Kit
2.40	25	2	Y*
2.40	41	3	Y*



RIMINI (Sandstone)

Dia (metres)	Pcs./Set	No. of Rings	Squaring Off Kit
2.40	25	2	Y*
2.40	41	3	Y*

Coverage shown is attained when laid with minimal joints.  
**\*Squaring Off Kit available and sold separately.**  
Images are for guidance only; variations in colour, texture, size and markings are inherent characteristics of natural stone.



ARC ELEGANCE - RIMINI





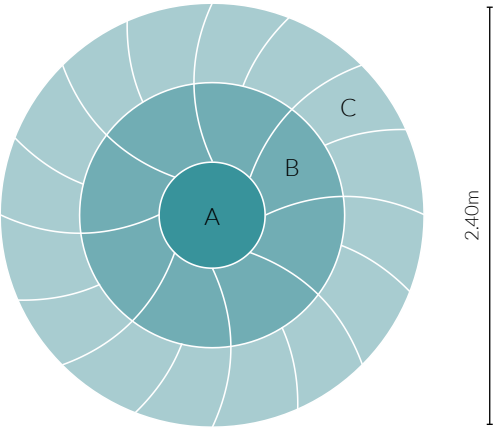
MIRAGE ELEGANCE - RUFINA



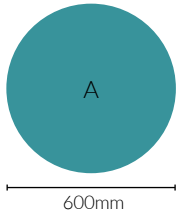
MIRAGE ELEGANCE - RIMINI

ARC ELEGANCE CIRCLE

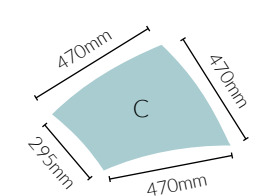
2.40m



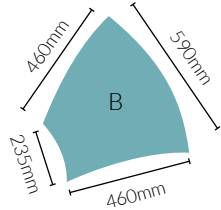
1 piece



16 pieces

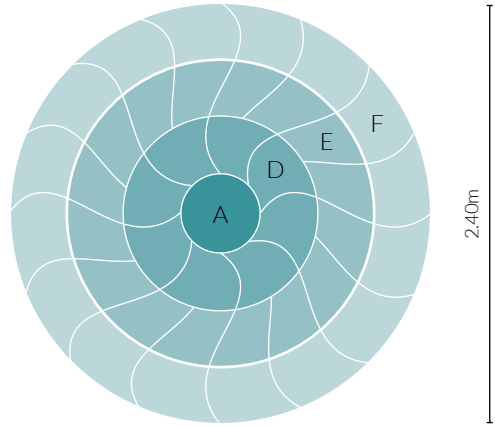


8 pieces

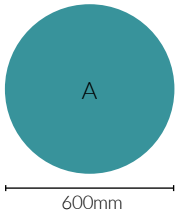


MIRAGE ELEGANCE CIRCLE

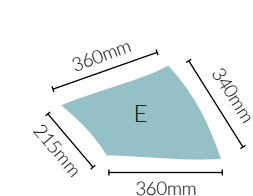
2.40m



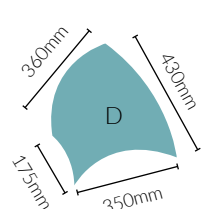
1 piece



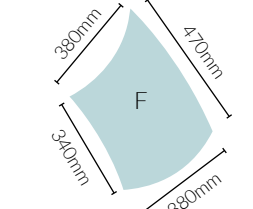
16 pieces



8 pieces



16 pieces







# MERIDIAN

## CLADDING

Meridian Cladding has an appealing rugged texture and a unique natural look. It is created by using the crust of the quarried stone which has been selected for its colours and texture. There are limitless possibilities of applications where this can be used and with tactful lighting it will create a truly stunning feature.



MINT - SPLIT



GREY - SPLIT



COPPER - SPLIT (Quartzite)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
10-30H x 150W x 600L	144	12.96



BLACK - SPLIT (Limestone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
10-30H x 150W x 600L	144	12.96



GREY - SPLIT (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
10-30H x 150W x 600L	144	12.96



SILVER GREY - SPLIT (Quartzite)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
10-30H x 150W x 600L	144	12.96



MINT - SPLIT (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pack
10-30H x 150W x 600L	144	12.96





# WALLING



OCHRE BEIGE



MINT

NEW



OCHRE YELLOW

NEW



OCHRE YELLOW (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pattern
325 x 100 x 65	210	5,28
275 x 100 x 65	240	5,13
215 x 100 x 65	305	5,15



MINT (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pattern
325 x 100 x 65	210	5,28
275 x 100 x 65	240	5,13
215 x 100 x 65	305	5,15



YELLOW GOLD (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pattern
325 x 100 x 65	210	5,28
275 x 100 x 65	240	5,13
215 x 100 x 65	305	5,15



OCHRE BEIGE (Sandstone)

Size (mm)	Pcs./Pack	m <sup>2</sup> /Pattern
325 x 100 x 65	210	5,28
275 x 100 x 65	240	5,13
215 x 100 x 65	305	5,15

Images are for guidance only; variations in colour, texture, size and markings are inherent characteristics of natural stone.





# COPING

The tumbled coping are ideal to provide an essential finishing touch to cap the natural stone walling. The pieces are calibrated to one thickness making them very easy to install and provide a perfect finishing touch to your garden.

MINT



MINT (Sandstone)	
Size (mm)	Pcs./Pack
50H* x 150W x 560L	66



RAJ (Sandstone)	
Size (mm)	Pcs./Pack
50H* x 150W x 560L	66

**\*Thickness 50 mm calibrated.**  
Images are for guidance only; variations in colour, texture, size and markings are inherent characteristics of natural stone.



RAJ





# EDGING



MINT (Sandstone)	
Size (mm)	Pcs./Pack
560 x 150 x 50	66



OCHRE YELLOW (Sandstone)	
Size (mm)	Pcs./Pack
560 x 150 x 50	66

Images are for guidance only; variations in colour, texture, size and markings are inherent characteristics of natural stone.





# BULL NOSED

STEPS

Our range of natural stone steps with bull nosed front are ideal to be used as either steps or swimming pool coping. These are calibrated to 50mm thickness allowing the profile to match perfectly.



MINT



RIMINI



RAJ



RIMINI (Sandstone)	
Size (mm)	Pcs./Pack
50H x 350W x 600L	24
50H x 350W x 1200L	12



MINT (Sandstone)	
Size (mm)	Pcs./Pack
50H x 350W x 600L	24
50H x 350W x 1200L	12



RAJ (Sandstone)	
Size (mm)	Pcs./Pack
50H x 350W x 600L	24
50H x 350W x 1200L	12

Images are for guidance only; variations in colour, texture, size and markings are inherent characteristics of natural stone.





# BULL NOSED

EDGING



RIMINI



MINT



RIMINI (Sandstone)

Size (mm)	Pcs./Pack
450 x 150 x 30	80



RUFINA (Sandstone)

Size (mm)	Pcs./Pack
450 x 150 x 30	80



OCHRE YELLOW (Sandstone)

Size (mm)	Pcs./Pack
450 x 150 x 30	80



MINT (Sandstone)

Size (mm)	Pcs./Pack
450 x 150 x 30	80

Images are for guidance only; variations in colour, texture, size and markings are inherent characteristics of natural stone.





# STEPPING STONES

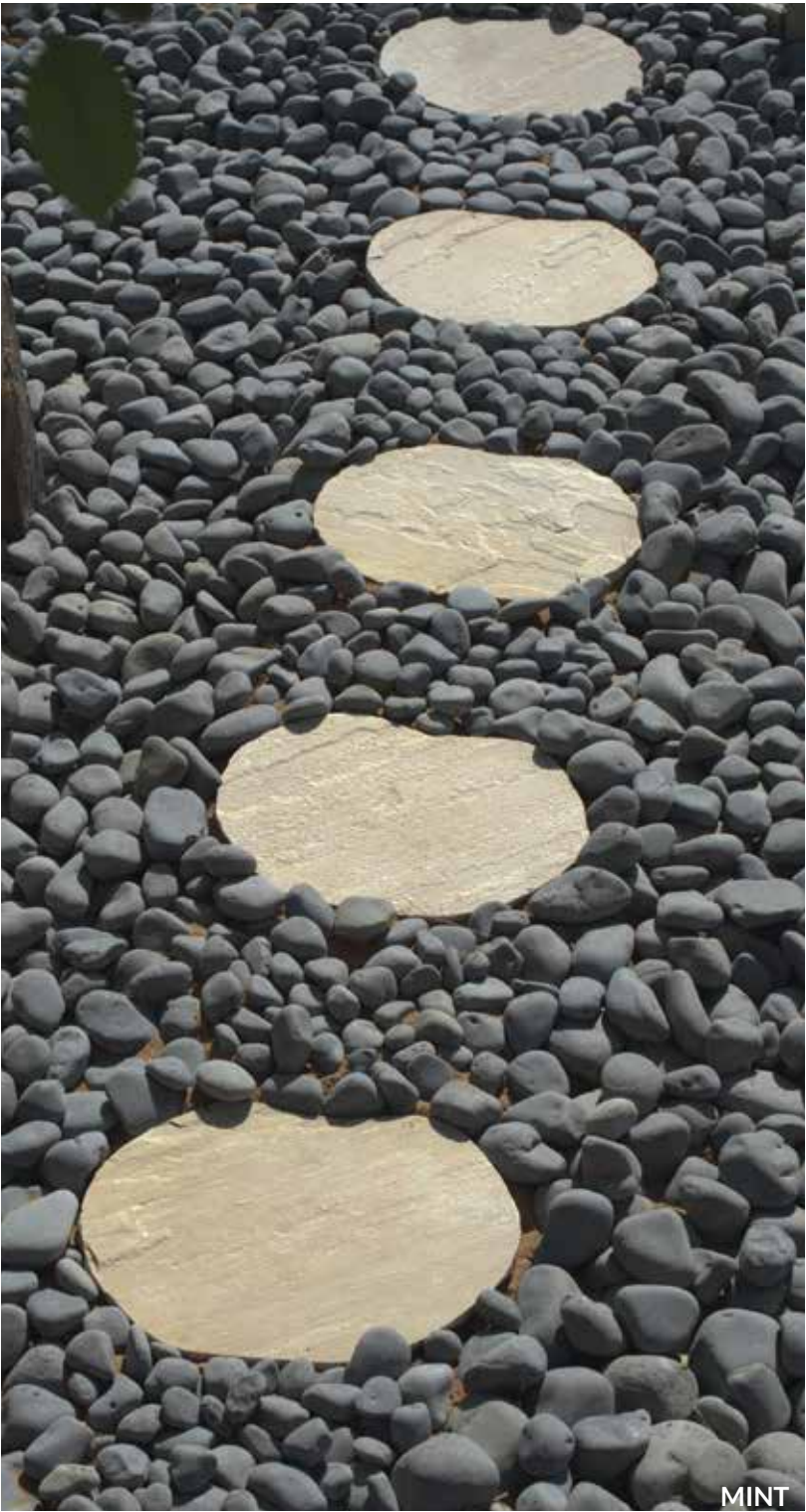
Our range of irregular Stepping Stones are easy to lay and ideal for creating pathways in your lawn or graveled area. Alternatively these can be used where a less formal look is desired. Being hard-wearing these look even better with age.



RUFINA



RAJ



MINT



MINT (Sandstone)	
Single Size (mm)	Pcs./Pack
22H x 300W x 400L	80



RAJ (Sandstone)	
Size (mm)	Pcs./Pack
22H x 300W x 400L	80



RUFINA (Sandstone)	
Size (mm)	Pcs./Pack
22H x 300W x 400L	80

Images are for guidance only; variations in colour, texture, size and markings are inherent characteristics of natural stone.





## MADE TO ORDER SERVICE

Our expertise in natural stone, and being one of the few suppliers in the UK with their own factory facilities, means we can offer our clients custom made solutions to meet any specific needs.

A few examples to wet our clients appetite are shown on these pages, from large scale commercial contracts for paving and cladding in Europe , to creating personalised shapes and designs in stone to add the individuality to the project that many of our clients desire.

This means that we can create a paving shape, pattern or texture that is specific to our clients' needs and requirements, and allows you to also consider the use of inlays to you paving in metals or other stones that can enable crests, signatures or personal messages to be engraved and incorporated into specific paving pieces.



NANTES CITY CENTRE STREET PAVING



THE MAS MUSEUM , BELGIUM

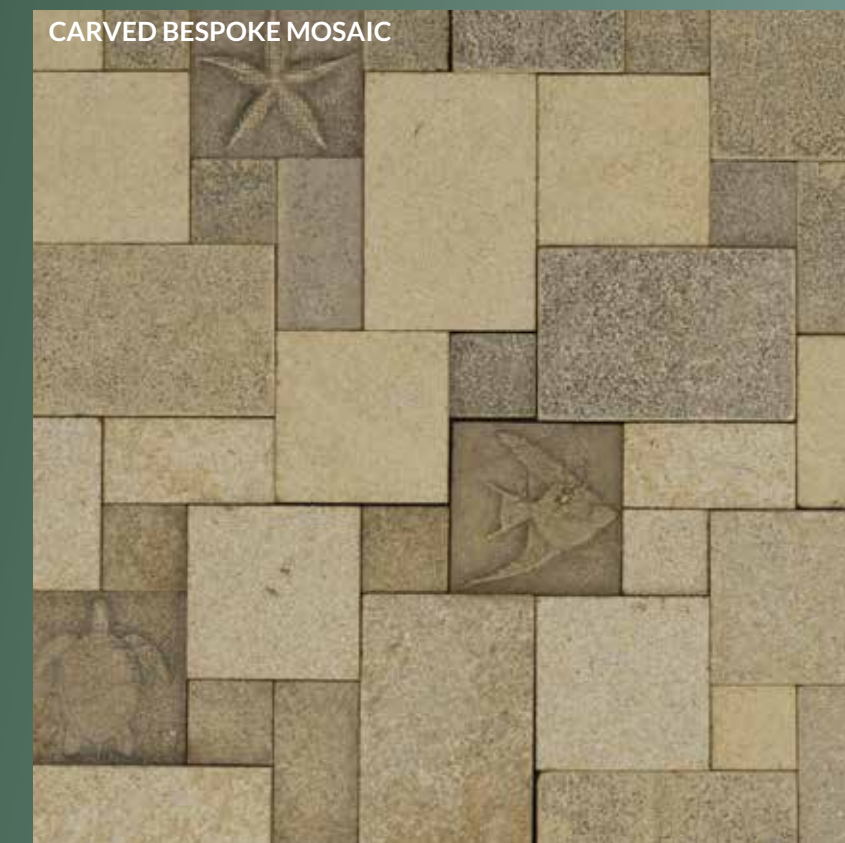
## FOR YOUR CUSTOM NATURAL STONE YOU SIMPLY NEED TO:

- Choose your stone
- Decide on the shape or pattern that you wish to be created.
- Contact our customer service team
- We will prepare an outline costs and lead time

Let the creativity begin, and call our team for help and advice  
Tel. +44 (0)1473 917345



CARVED BESPOKE PATTERN



CARVED BESPOKE MOSAIC



CARVED BESPOKE PATTERN





PRIVATE GARDEN - UK



PRIVATE POOL- UK



PRIVATE RESIDENCE - UK

# LAYING YOUR PATIO

## CUTTING

If your patio involves a lot of cutting we would advise that you hire a powered cutting tool with a diamond tipped blade (any hire shop will advise you of the machine and blade you will need if you advise them of what you are intending to cut). Please take care and also make sure that your hire shop issues you full instructions and relevant safety equipment, including goggles.

## SELECTION

We recommend that whenever laying natural stone you should mix your paving from 3-4 different packs (where possible) as you lay your patio. This will allow the colours to blend and help to improve any shade variations that may occur between packs, giving your patio a more natural look.

## LAYING THE FLAGS

Using a brick or pointing trowel, spread the mortar over an area approximately 100mm longer and wider than the flag to be laid. Ripple the surface of the bed with the point of the trowel so that there will be some give once the flag is placed onto the mortar.

Lift the flag into position and carefully lower it onto the bed. With larger flags (600x600mm or larger) it is best to have an assistant helping to lift and lower the flag. Once in position, the flag should be 5-10mm high, and should then be tapped down to the correct level using the rubber mallet.

Don't hit the flagstone at the corners or in the exact centre. This can break the flagstone and, even if it doesn't, it usually results in uneven laying.

Aim for the points that are located roughly halfway between the centre and the corners, and use a succession of light but firm taps rather than heavy blows. Tap down one edge once or twice and then tap the opposite edge, alternating as required until the flag is at the correct level.

If the flag is not going down on the bed, you may need to lift it out and remove some of the bedding mortar. Take care not to allow the bedding mortar to stain the flagstone edges when lifting it from the bed. Similarly, if the flag goes down too far, you may need to add mortar to the bed to achieve the correct level.

Use the spirit level and/or the straightedge to check the flag is falling in the right direction and is at the correct level. Be certain that the flag is correct before moving on to prepare a bed for the next flag. Remember to allow for jointing. Many flagstones are laid with a 10-15mm wide joint that can be filled with mortar or a resin-based jointing material once the bed mortar has hardened (usually 24-48 hours). With some random layouts, you may find that some joints need to be 8-12mm wide while others are more like 15-18mm wide. This is nothing to worry about, but should be borne in mind when laying the flags. You may find that you need to adjust the width of some joints as the laying proceeds.

There should be no significant 'lips' between adjacent flagstones. They should be roughly (+/-2mm) level with each other. At free edges of the paving (ie: where the flagstones would lie against grass or flower beds, etc.) you may wish to bring the mortar bedding up the edge of the flagstones to prevent them moving sideways.

Jointing traditionally, flagstones were

pointed with a cement mortar. This would be made using a 3:1 mix of building sand (softer and less coarse than the sand used for the bed mortar) with cement, but as mentioned previously, when working with light-coloured sandstones and granites, it's often better to use silver sand with white cement.

The jointing mortar is mixed to a stiffer consistency than bed mortar, and then pushed into the joint from the blade of a trowel using a small pointing trowel. Packing it into the joint before smoothing off with the pointing trowel or a special 'pointing iron' that gives a flat or semi-round profile. This takes a great deal of care to ensure the mortar does not stain the edges of the flagstones and it can be very time-consuming for those not familiar with it.

Nowadays, many contractors use resin-based or polymeric mortars to joint flagstones. These are simply brushed into the joints, and any surplus swept off the surface. The resin is completely transparent, so cannot permanently stain the flagstones. Occasionally, a slightly shiny film or residue may be left behind on the flagstone surface, but this should weather away in a few days. These resin or polymeric mortars are more expensive than a sand/cement mortar, but they are very easy to use, very quick, and they avoid any risk of staining, even with light-coloured and/or granite flagstone, so may be worth considering.

## COLOUR ENHANCERS AND SEALANTS

Some homeowners prefer the look of their paving when it is damp or wet, as the moisture tends to bring out the natural colour of the stone.

This effect can be achieved permanently by using a good quality colour enhancers, so try to choose a product that is specific to your material rather than a jack-of-all-trades'. Always test the colour enhancer on a surplus flagstone or sett or in a discreet corner before applying it to the whole pavement. Allow it to dry and leave it for a few days as the character can often change as the product cures.

While colour enhancer can improve the looks of the stone, sealants can both enhance the colour and protect the paving from accidental staining or colonization by algae and lichens. There is a great deal of variety with sealants, both in terms of the type of chemicals used to manufacture them, and in their finished appearance.

It's vitally important to appreciate that sealants should only ever be applied to paving that is bone dry. The presence of any moisture on the pavement surface or within the sealant cures, and in some cases, will result in an unattractive milky-white discolouration which can only be corrected by chemically stripping the sealant. Consequently, sealing should only be undertaken during the warmer, drier summer months. If the paving was laid during winter or spring, it may be a good idea to have it cleaned prior to sealing, but be sure to allow at least two days for it to thoroughly dry before applying the sealant in accordance with the Manufacturer's instructions.

Strata Stones cannot accept any responsibility for any mortar staining, cutting or problems during the laying of their sandstone and limestone.



# INSTALLATION GUIDE

## GETTING READY TO LAY YOUR PATIO

Strata flagstone are ideal for patios, Paths and courtyards and we have provided this installation guidance to help ensure you get many years of trouble-free service.

Installation tips such as this can never be comprehensive for every project and we urge you to seek professional on-site advice for any specific issues not covered in this brief guide.

Which Way up? There seems to be some confusion about the way you lay natural stone.

Please see the diagram as detailed below:

### CORRECT WAY



### INCORRECT WAY



## DRAINAGE

Flagstones need to be laid to falls to ensure that any water on the surface will drain away properly. We recommend a fall of 1:60, which is equivalent to 17mm per linear meter. This is sufficient to drain the paving without it being noticeably sloped.

## PREPARATION

The area to be paved needs to be cleared of all vegetation and topsoil, to a depth of at least 65mm.

Remember: paving should always be laid at least 150mm lower than the Damp proof Course (DPC) of any adjacent building.

Use taut string lines as guides to both alignment and surface level. These can be fastened to pegs knocked into the ground or nails fixed into masonry. Use string lines at the edges of the pavement and then use a long timber straightedge to span from the flags to the string lines to check for level.

You will need:

- Spade and/or shovel
- Wheelbarrow
- Lump hammer
- Rubber mallet
- Brick and/ or pointing trowel
- Spirit level
- Sweeping brush
- String lines
- Wooden pegs or steel pins for
- Fastening line
- Cement Mixer
- 2.4 – 3.6m long timber straightedges
- Protective gloves
- Protective eyewear

## MIXING MORTAR

The flags need to be laid onto a full mortar bed. This means the bed underneath each piece extends beneath the entire flagstone, with no gaps or voids. Some less experienced installers lay flags onto ‘spots’ of mortar, which we cannot recommend as these spots do not offer full support to the flags and often cause problems in the months ahead.

The mortar should be a mix of 4 parts sharp sand with one part cement, mixed to a consistency that is moist but not overly wet. Wet mortar can be messy. Light coloured flagstones, and those formed from granite are often prone to discolouration when laid onto mortars made using strongly-coloured sand, such as the orangey sands common in SE England.

For these flagstones, we recommend that the laying mortar should be prepared using 6 parts neutral coloured sand (often sold as “Silver Sand”) and 1 part white cement. This will minimize any risk of discolouration whilst ensuring your new paving is properly bedded and fully supported.

The mortar bed should be 35mm to 60mm thick. Where the mortar would be thicker than this, or where levels need to e built-up,

this should be done using crushed stone such as Type 1 which is readily available at most Builders Merchants. Aim to have a reasonably consistent bed thickness throughout.

It’s best to use a powered mixer to prepare the mortar. These can be hired locally for around £30 per week, if necessary. They make light work of the mixing and allow you to save your energy for laying the flags, rather than mixing sand and cement. Mix only as much bedding mortar as will be used in 30-60 minutes. Mortar starts to harden as soon as it is mixed and, in warm weather, it may become ‘stiff’ and unworkable in as little as 20 minutes.

Be sure to wear protective eyewear and gloves when mixing mortar. Cement is strongly alkaline when wet, so dust or mortar splashes can damage your eyes and your skin. Wear long sleeved clothing and wash any splashes with clean water immediately. You should wear protective gloves at all times, as they will help protect your hands from abrasion while handling tools and flagstones.

# GENERAL INFORMATION

## MAINTENANCE AND CLEANING OF STRATA STONES PAVING

All Paving benefits from simple maintenance and cleaning. Detritus will accumulate on the surface and weeds may settle into this and start to grow. Weeds do NOT grow through properly-laid paving they grow onto poorly maintained paving.

## SWEEPING

Regular sweeping with a broom will remove most of the usual litter and garden debris that finds its way onto all pavements. Occasionally, it can be beneficial to hose down the paving adding a dash of basic detergent if required to help remove any surface stains. For sensitive paving such as limestone’s many cleaning specialists prefer to use a mild baby shampoo in place of standard detergent as they believe this runs less risk of damaging the natural colouring of the stone. Scrubbing with soapy water and a stiff brush will help shift any awkward stains, but don’t be tempted to use anything overly abrasive, such as steel wool or wire brushes as these can leave marks on the surface of your paving.

## POWER WASHERS

Power washers can help clean heavily soiled paving but they should be used sparingly and with great care. They can damage the surface of the stone and/or the jointing if not handled correctly. If a power washer is to be used, we would strongly recommend the use of a ‘rotary cleaning head’ rather than the more usual ‘ lance’ as these are less damaging to the paving while still being very effective against dirt. When power

washing is used, it should be limited to one, and a maximum of two sessions per year. Patios and driveways that are power washed on a regular weekly or fortnightly basis tend to develop structural problems such as failed jointing, settlement and excessive surface wear of the paving.

## AWKWARD STAINS

For heavy staining, such as oil drips, autumnal fruits, bird droppings, etc. if basic cleaning using hot, soapy water does not work, we would recommends that you seek specialist advice from a surface cleaning professional. Many of the ‘patio cleaners’ sold in DIY store or Builders’ Merchants are based on strong acids that can irreparably damage certain types of stone or adversely affect the natural colouring. Always test any cleaning product on a surplus flagstone or sett or in a discreet corner before applying it to the paving.

## EFFLORESCENCE

Efflorescence is a problem more commonly associated with concrete paving, as the characteristic white powdery deposit originates in the calcium carbonated of the concrete, but it can also affect natural stone pacing when it is laid on mortar or concrete. While the appearance of efflorescence can detract from the looks of a new pavement, it is important to understand that, no matter how bad it may seem, it is temporary, that it will pass with time, and that it is not actually damaging the stone. There are efflorescence removers that can be used to wash away the worst of any deposit, but they are removers, not cures, and it is quite likely that a new deposit will appear within

a few days, although it may not be as heavy as the original deposit. Simple washing with warm soapy water will usually achieve the same, and at a much lower cost.

## STRATA STONE SIZING / DIMENSION POLICY

All dimensions given are nominal and subject to manufacturing tolerances. The quoted dimensions of our paving ranges are those normally attained when the slabs are arranged correctly spaced.

## PRODUCT COLOUR VARIATION

Tonal and colour variations are evident in all Strata products and whilst the colours reproduced in this brochure are as accurate as photographic and printing processes allow, it is essential that your choice is made from actual materials at your local stockist. This is particularly important when using several packs, products from all the packs should be blended throughout the project to produce an acceptable overall natural appearance.

## HEALTH AND SAFETY

### MANUAL HANDLING

As our products are heavy, appropriate handling precautions should be taken; including wearing protective gloves and footwear and obtaining assistance when moving items weighing over 20kg.

### NOTE

In the unfortunate but unlikely event of products reaching you in less than satisfactory condition, please notify the retailer immediately.

### WARRANTIES

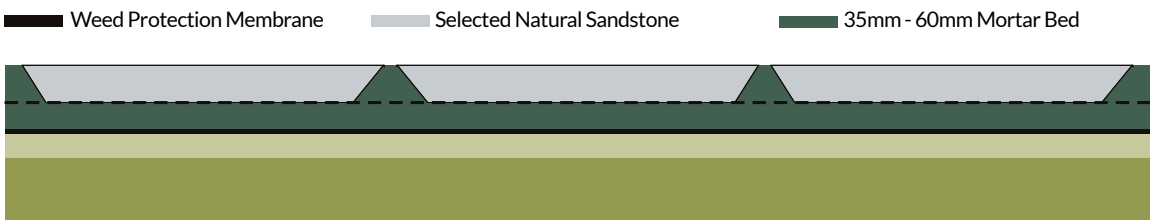
In an unlikely event of our products reaching you in a less than satisfactory condition, please notify your supplier within 2 hrs from time of delivery, they will be happy to assist you and advise you of replacements etc.

Please note that if any products are knowingly laid with any defects apparent prior to laying then we reserve the right not to replace the product and will not accept any responsibility for costs incurred for relaying or rectifying the problem.

## OTHER INFORMATION

For a full installation guide for all our products please visit our website [www.stratastones.co.uk](http://www.stratastones.co.uk)

or alternatively you can also refer to [www.pavingexpert.com](http://www.pavingexpert.com) to learn about common problems found in natural stones and their solutions.







**Strata Stones Ltd**  
t: +44 (0)1473 917345  
sales@stratastones.co.uk



Company Registration No: 5219395

Your Local Stockist

[stratastones.co.uk](http://stratastones.co.uk)