



**Glendinning**  
QUARRY & CONCRETE PRODUCTS

*built on solid principles*



**PAVING & WALLING**



E & J W Glendinning Limited is an independent family business and has been operating throughout the Westcountry for over 60 years. We are proud to support local businesses and the community and take great pride in our Westcountry heritage.

The Glendinning Paving and Walling product range is manufactured using limestone aggregates from our quarry at Ashburton, Devon, together with other locally sourced reclaimed aggregates and manufactured in Plymouth, Devon.

Our Plymouth manufacturing facility, as well as our other quarries and readymix concrete batching plants, is managed in, accordance with our Environmental

Management System (EMS) that is externally audited and certificated by BSI Group to the international ISO 14001 accreditation.

The Paving and Walling range has evolved to suit the abundance of natural colours enjoyed in the Westcountry. Whether your inspiration is drawn from the moorland scenery or coastal landscapes, our Paving and Walling range has colours to bring your outdoor living areas to life,

Please take time to look through our Paving and Walling range: there are plenty of ideas to inspire your projects and enhance your lifestyle.

Glendinning manufactures in an environmentally responsible manner and we source products and services locally wherever possible. Our commitment to sourcing locally is also reflected in our support for the principle of reducing the distance that minerals and products travel across the UK by encouraging companies and individuals to buy locally, thus reducing carbon consumption.

The UK government has set a target to decarbonise the UK economy by 80% by 2050. The minerals industry has it's own part to play with the transportation of minerals accounting for just over 32% of the industry's CO<sub>2</sub> output.

Glendinning operates its manufacturing plants to a certified Environmental

Management System (EMS) that is externally audited to the ISO 14001 accreditation. An EMS is also held by our key supplier chain processes, as specified in the Responsible Sourcing Assessment criteria of BREEAM and the Code for sustainable homes. This level of responsible sourcing assurance can contribute towards the required BREEAM rating or Code assessment.

As part of our sustainable policy we use a range of local reclaimed granite based aggregates with our product range. Products such as the textured silver grey urban paving are made from 90% reclaimed granite and our kerb and flag contains approximately 90% reclaimed granite.

# BUILT ON SOLID PRINCIPLES



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Decorative Paving

# BARBICAN

## Barbican Replica Flagstone Paving

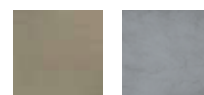
Individually made to the highest standards, then subtly weathered to give an antique look to your patio or courtyard. The four sizes mean it can be laid in a random pattern to enhance the 'olde worlde' feel of the finished paving.

### Specifications

#### Styles



#### Colours



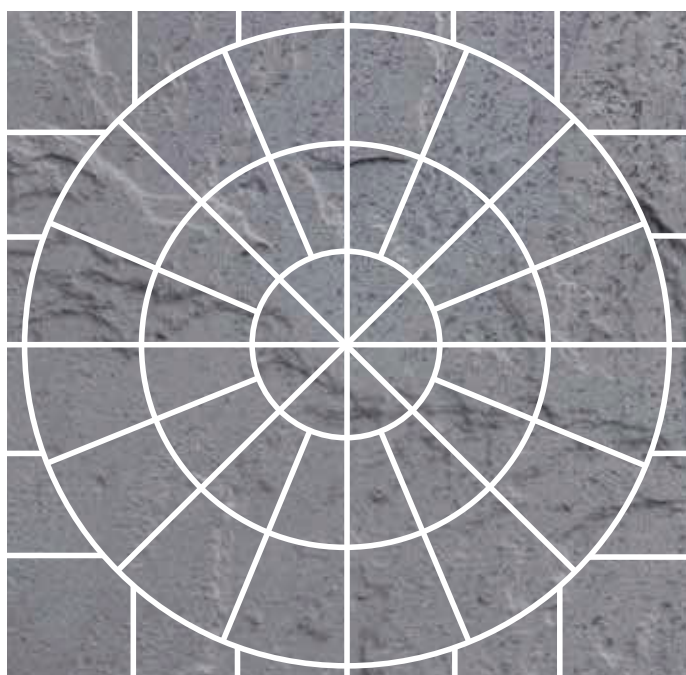
*Birchwood Charcoal*

#### Sizes

Size	Pack Qty	Pack Weight	m <sup>2</sup> per pack
600 x 600mm	20	0.59	7.2
600 x 300mm	40	0.57	7.2
450 x 450mm	40	0.53	8.1
300 x 300mm	40	0.3	3.6

See page 27 to view our laying patterns





## Barbican Rotunda

With the Barbican Rotunda it's simple to create circular and semi-circular features, give patios and terraces a distinctive curved edge or use the squaring-off kit to complete a square. Made to order.

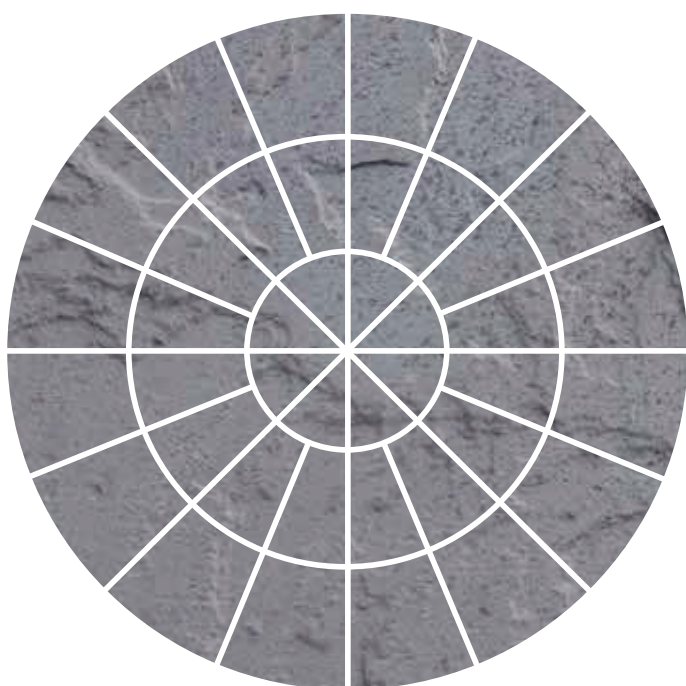
## Rotunda

Available in Full or Half Circle in 35mm thickness.

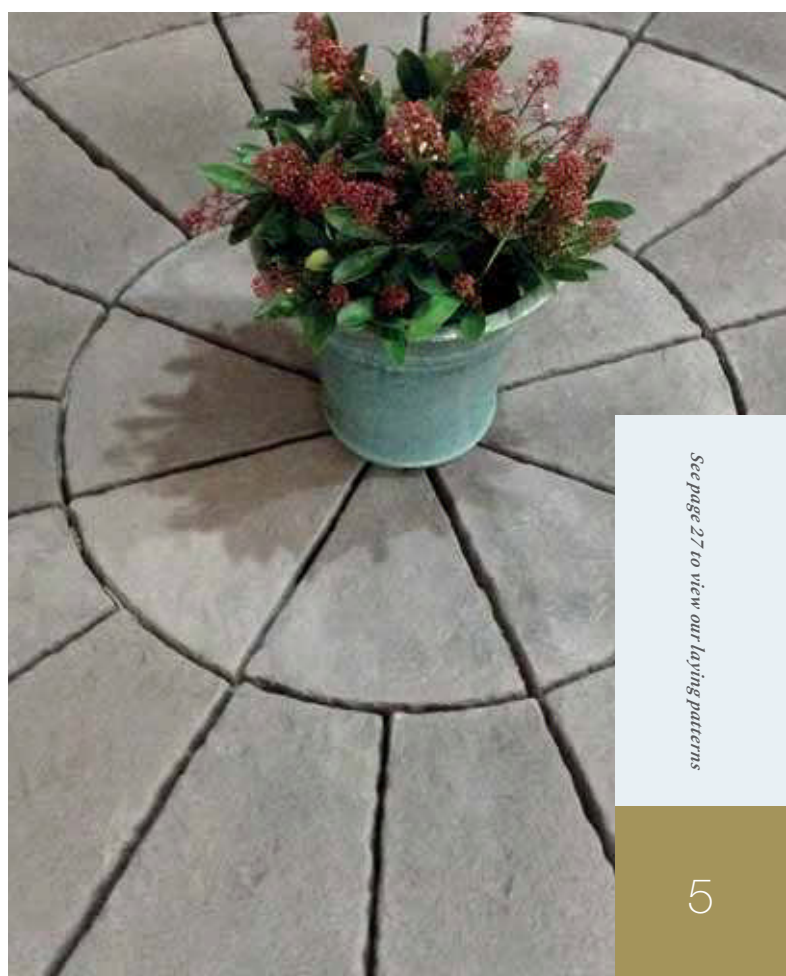
2.7 metre diameter circle 620kgs

Squaring-off kit - 320kgs

## Full or Half Circles available



*Rotunda makes a circle 2.7m dia. The width is increased to 3m with the squaring-off kit.*





Decorative Paving

# DECKING

TIMBER

## Decking Tile

If it's a timber effect you're after the decking tile has the effect of wood but with the durability of concrete.

### Specifications

#### Styles



600 x 600 consists of a four square appearance.



450 x 450 has a diagonal timber effect.

#### Colours



*Timber*



*Charcoal*

#### Sizes

Size	Pack Qty	Pack Weight	m <sup>2</sup> per pack
600 x 600mm	25	0.71	9
450 x 450mm	50	0.88	10.13



*Decorative Paving*

# ROTUNDA

## Segments, Rings, Quarter, Half and Full Circles available

Build steps, surrounds for ponds and trees and wandering pathways. You can create patios with curves, and paths with straight and curved sections. Use the squaring-off kit to turn the Rotunda circle into a square. Made to order.

Make 3.46m or 1.8m diameter circle. Adding a squaring-off kit will give a width of 3.6m or 1.8m.

All available in 35mm thickness.  
 3.5 metre - 925kgs, 1.8 metre - 550kgs.  
 Square-off kit large - 320kgs, Square-off kit small - 100kgs

### Colours



Charcoal



1800mm

Size	
segment 5	450mm
segment 4	380mm
segment 3	300mm
segment 2	300mm
quadrant 1	300mm



*Decorative Paving*

# ASHMOOR

See page 27 to view our laying patterns

## Ashmoor Patio Pack

A rustic riven paver with fettled edges. The use of six different moulds and natural looking shades gives Ashmoor the appearance of natural stone.

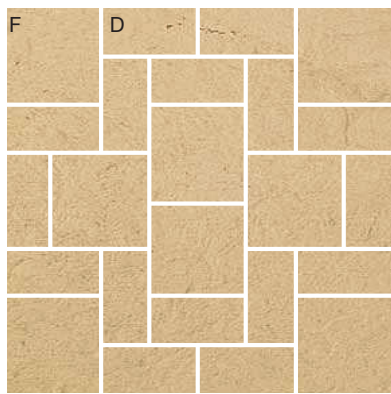
Ashmoor is supplied in a 5.76m<sup>2</sup> patio pack containing 8 600 x 600 & 16 600 x 300 pavers.

A rotunda (see page 7) along with a 450 x 450 riven paver is also available to complement your landscaping ideas.


*Weathered York and Rustic Taw are produced by blending light and dark concrete in varying proportions, this process ensures a more natural appearance. Individual slabs will vary in colour content, with one of the blended colours being more dominant. If using more than one pack, colour blending by mixing multiple packs is advised.*




Patio Pack Laying Pattern




Styles



*F x 8*




*D x 16*




*450 x 450mm*


Colours



*Weathered York*



*Rustic Taw*



*Charcoal*

Sizes

Size	Pack Qty	Pack Weight	m <sup>2</sup> per pack
Patio Pack	24	0.43	5.76
450 x 450mm	50	0.68	10.13



See page 27 to view our laying patterns



*Decorative Paving*

# DEVONTEX

## Devontex

Made of crushed stone, which is exposed on the surface. This makes them virtually non-slip, even when wet. Because they're pressed and not cast, they're extremely strong and hard-wearing. The three colours have been designed to blend with each other.

### Specifications

#### Styles



#### Colours



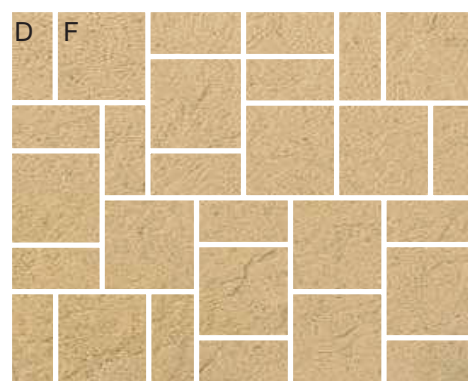
Natural

Buff

Charcoal

## Devontex Patio Pack

Produced at our Plymouth works using locally sourced aggregates. Available in Natural, Buff and Charcoal. Devontex Patio Pack covers an area of 7.2m<sup>2</sup>. See page 27 and 28 for patterns.



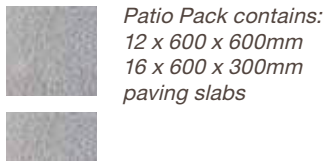


# Devontex 7.2m² Patio Pack

D     300 x 600 = 16  
F     600 x 600 = 12

## Specifications

### Styles



*Patio Pack contains:  
12 x 600 x 600mm  
16 x 600 x 300mm  
paving slabs*

### Colours



*Natural     Buff     Charcoal*

### Sizes

Natural	Buff	Charcoal
450 x 450mm	450 x 450mm	450 x 450mm
600 x 600mm	600 x 600mm	600 x 600mm
600 x 300mm	600 x 300mm	600 x 300mm
Patio Pack 7.2m²	Patio Pack 7.2m²	Patio Pack 7.2m²

*Available in 35mm thickness, unless stated*

Size	Pack Qty	Pack Weight	m² per pack
450 x 450mm	50	0.88	10.13
600 x 600mm	25	0.81	9.00
600 x 600 x 50mm	20	0.83	7.20
600 x 300mm	25	0.40	4.50
Patio Pack	28	0.62	7.2



DEVONTEX CHARCOAL



*See page 27 to view our laying patterns*



*Decorative Paving*

# ROCKRIVEN

*See page 27 to view our laying patterns*

## Rockriven

The low-relief riven stone finish gives the effect of an expensive natural stone - but Rockriven has the advantages of a relatively even surface for stable garden furniture, and straight edges for a modern image.





Specifications

Colours



Natural



Buff



Charcoal

Styles



Sizes

Natural	Buff	Charcoal
600 x 600mm	600 x 600mm	600 x 600mm
Not Available	600 x 450mm	600 x 450mm
600 x 300mm	600 x 300mm	600 x 300mm
450 x 450mm	450 x 450mm	450 x 450mm
300 x 300mm	300 x 300mm	300 x 300mm

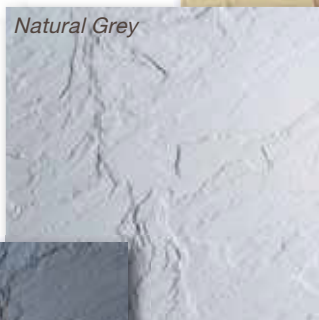
Size	Pack Qty	Pack Weight	m <sup>2</sup> per pack
300 x 300mm	50	0.67	4.50
450 x 450mm	60	0.74	12.15
600 x 300mm	50	0.66	9.00
600 x 450mm	25	0.52	6.75
600 x 600mm	25	0.63	9.00

Available in 32mm-35mm nominal thickness, unless stated

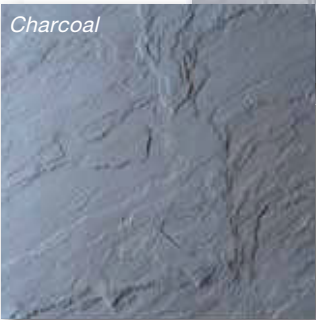
Buff



Natural Grey



Charcoal



See page 27 to view our laying patterns





*Decorative Paving*

# LINHAY

Linhay 7.2m<sup>2</sup>

## Patio Packs

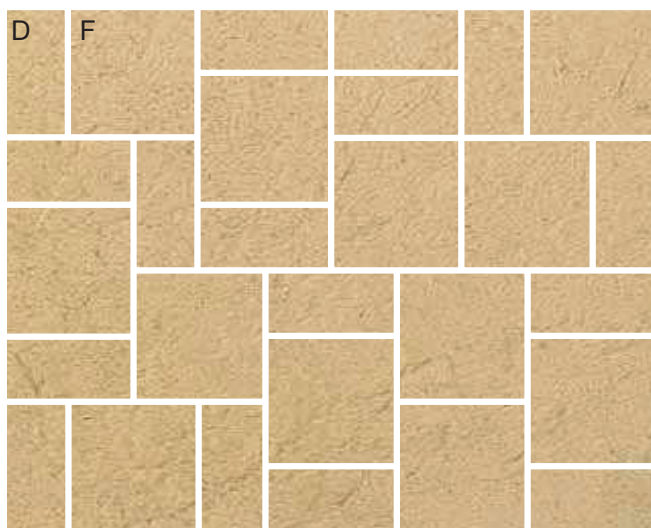
Modelled on the region's historic ports limestone flag paving and named after our Devonian Limestone quarry at Linhay Hill, Ashburton.

Replica flagstone paving like Linhay is designed to suit a time worn image on a budget.

Linhay Charcoal and Birchwood can be added to using the Barbican range.



See page 27 to view our laying patterns

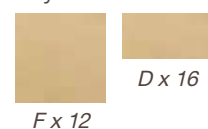


### Sizes

Pack Qty	Pack Weight	m <sup>2</sup> per pack
28	0.54	7.2-7.44

### Patio pack Specifications

#### Styles



F = 600 X 600  
D = 600 X 300

#### Colours

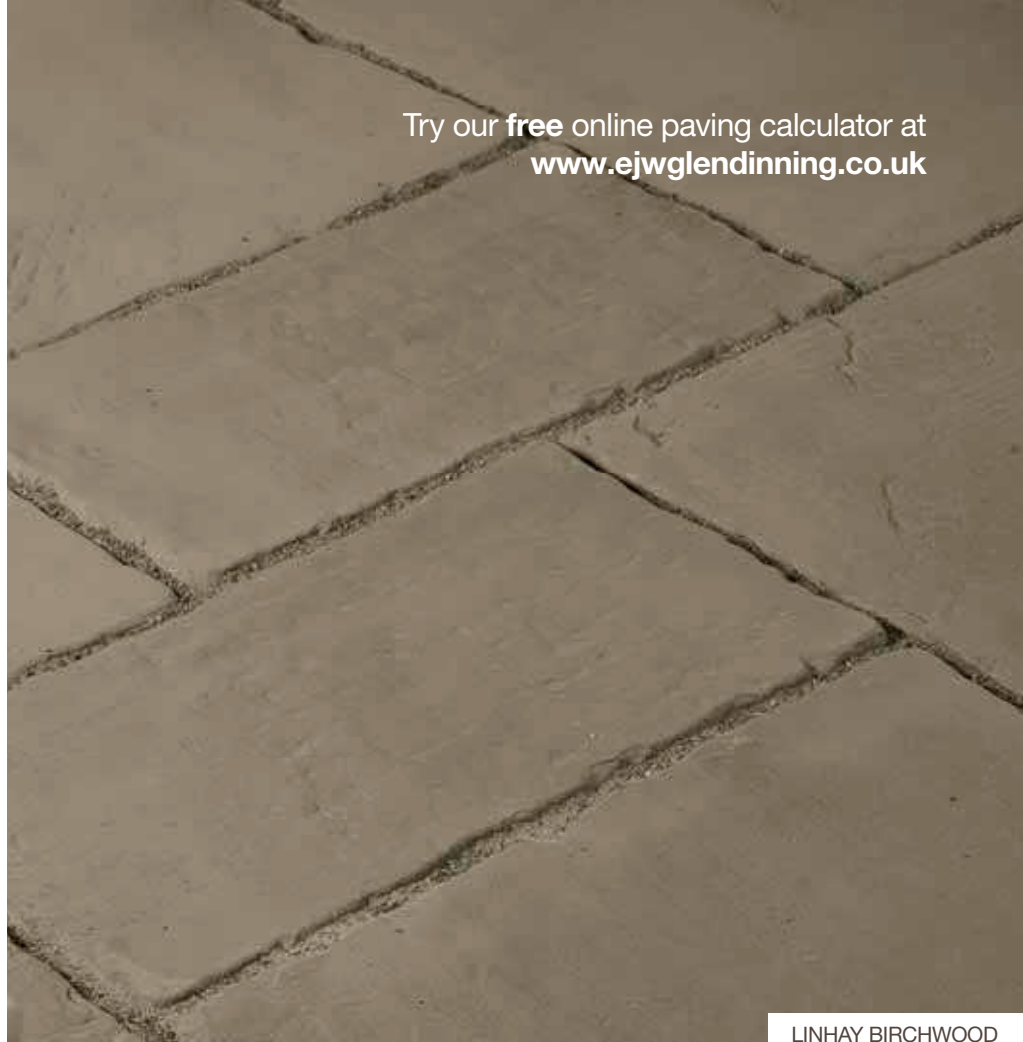




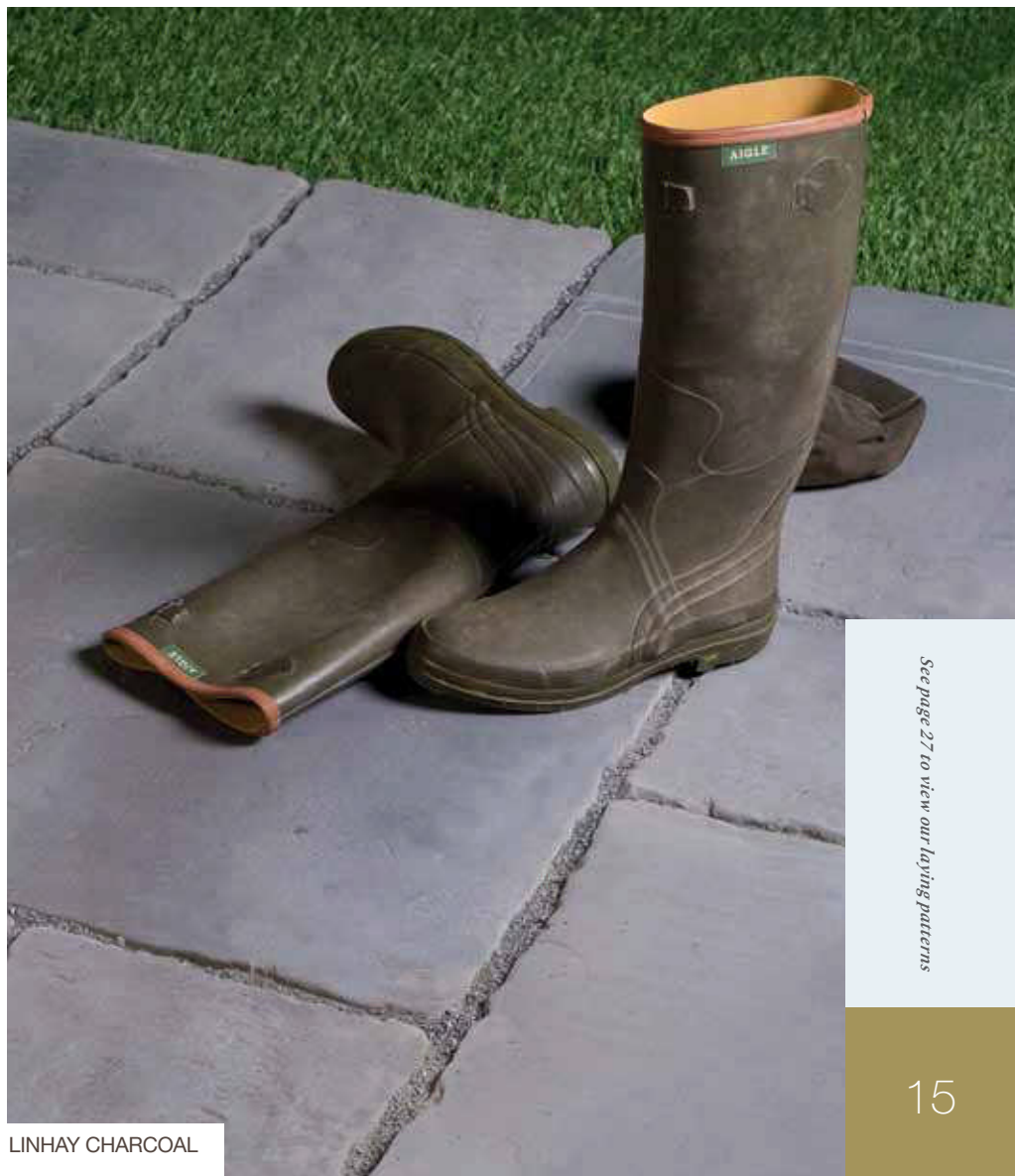
LINHAY BUFF



Try our **free** online paving calculator at  
[www.ejwglendinning.co.uk](http://www.ejwglendinning.co.uk)



LINHAY BIRCHWOOD



LINHAY CHARCOAL

*See page 27 to view our laying patterns*



*Decorative Paving*

# DEVONSCAPE

## Devonscape

The wide range of Devonscape paving makes it a popular choice for patios. Make simple, complex or random patterns out of the three colours and sizes. Though apparently a smooth surface, the fine gauze imprint gives some slip resistance. Some surface blemishes can occur because there is no secondary pressing, but will disappear with weathering.

### Specifications

#### Styles



Natural Buff Charcoal

#### Sizes

	Size	Pack Qty	Pack Weight	m <sup>2</sup> per pack
Natural	600 x 600mm	25	0.78	9.00
	600 x 300mm	25	0.38	4.50
	450 x 450mm	50	0.84	10.13
Buff	600 x 600mm	25	0.78	9.00
	600 x 300mm	25	0.38	4.50
	450 x 450mm	50	0.84	10.13
Charcoal	600 x 600mm	25	0.78	9.00
	600 x 300mm	25	0.38	4.50
	450 x 450mm	50	0.84	10.13

See page 27 to view our laying patterns



Available in 35mm thickness. As of 2019 Pink has been discontinued. Contact the sales office for remaining stock availability.



## Decorative Paving

# RIVENScape

## Rivenscape

It may be utility paving, but its decorative 'riven' finish gives texture and character - especially on more extensive floor areas. Rivenscape is produced by the same method as kerb and Devonscape - so it has a virtually non-slip surface, but can show initial surface blemishes which disappear with weathering. Rivenscape is a general contractors slab used on new housing estates.

### Specifications

#### Styles



#### Colours



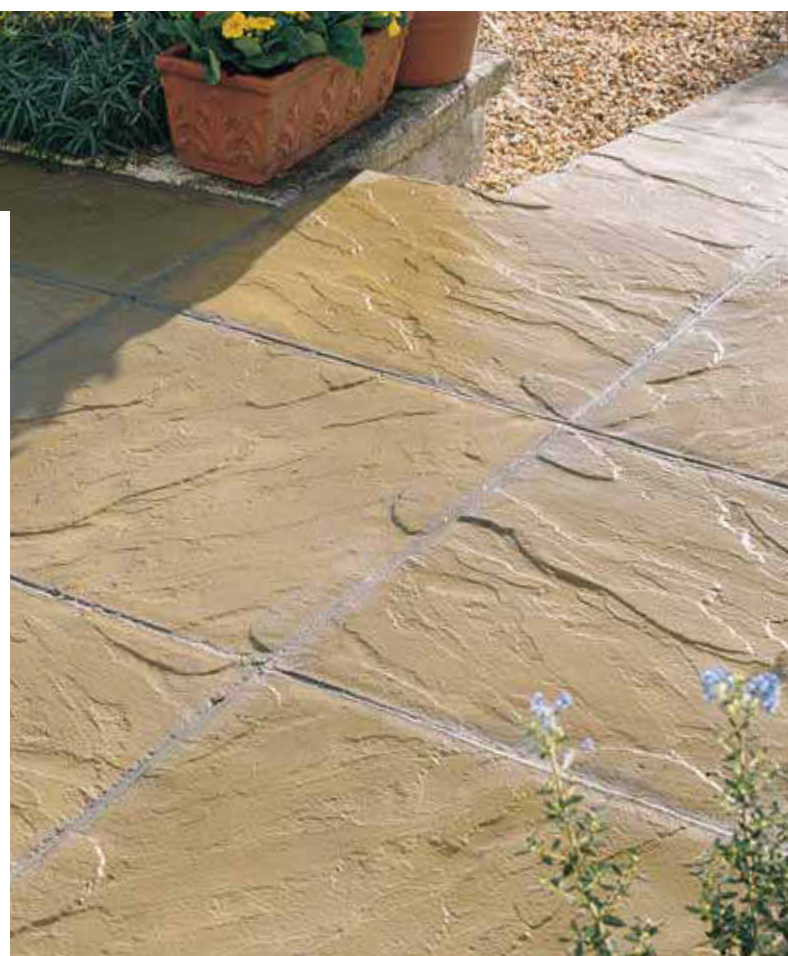
Natural

Buff

Charcoal

#### Sizes

	Size	Pack Qty	Pack Weight	m <sup>2</sup> per pack
Natural	450 x 450mm	50	0.84	10.13
	600 x 600mm	25	0.78	9.00
Buff	450 x 450mm	50	0.84	10.13
	600 x 600mm	25	0.78	9.00
Charcoal	450 x 450mm	50	0.84	10.13



See page 27 to view our laying patterns

Available in 35mm nominal thickness. As of 2019 Pink has been discontinued. Contact the sales office for remaining stock availability.





Apart from preventing garden or grass from encroaching onto your paved areas, this range of decorative and textured edgings and corner units gives extra aesthetic appeal to your project.

*Decorative Paving*

# EDGING & CORNERS



## Half Round Rope Top

Available in Buff and Charcoal.  
Approx 900 x 150 x 50mm  
Pack Qty: 96  
Pack Weight: 0.91



## Textured Flat Top

Available in Natural, Buff, Charcoal.  
Approx 900 x 150 x 50mm  
Pack Qty: 80. Pack Weight: 1.16

See page 27 to view our laying patterns





## Plain Round Top

Available in Natural.

Approx 900 x 150 x 50mm    Approx 900 x 200 x 50mm

Pack Qty: 80

Pack Qty: 60

Pack Weight: 1.16

Pack Weight: 1.23



## Saw Tooth

Available in Charcoal.

Approx 630 x 130 x 110mm

Pack Qty: 48. Pack Weight: 0.75



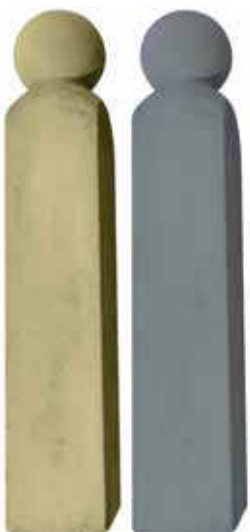
## Full Rope Top

Available in Charcoal and Buff.

Approx 580 x 155 x 50mm tapering to 40mm

Pack Qty: 40

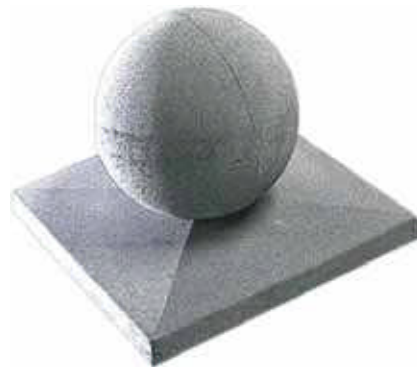
Pack Weight: 0.33



## Rope Top Corners

Available in Buff and Charcoal  
285 x 50 x 50mm.

Pack Qty: 8.



## Ball Finials\*

Available in Natural. 227mm and 330mm diameter. Pier caps separate, see page 34 for sizes. \*Made to order



## Decorative Paving

# STEPPING & TOBISHI STONES

## Tobishi

Inspired by traditional Japanese design, Tobishi stones laid in gravel or grass create a desired contemporary look across your landscaping project.

Tobishi Stones are supplied in 5 random sizes (3 shown) in a choice of 3 colours.

### Styles



Buff

Rustic Taw

Charcoal

### Sizes

Size	Pack Qty	Pack Weight
5 random shapes	20	0.3



Charcoal

Timber

## Sleepers

Available in Timber and Charcoal

885 x 215 x 44mm

665 x 215 x 44mm

## Stepping Stones

The 450mm & 300mm stepping stones are available in both Charcoal & Buff. Cut Log available in Rustic Taw only.

### Styles



300mm

Log

350 x 400mm approx



450mm

### Sizes

Size	Pack Qty	Pack Weight
300mm	50	0.50
450mm	50	0.63



## Decorative Paving

# TUSCANY & SORRENTO

## Tuscany

### Specifications

#### Styles



#### Colours



*Terracotta*

#### Sizes

Terracotta size	Pack Qty	Pack Weight	m <sup>2</sup> per pack
270 x 270mm	60	0.23	4.37
270 x 135mm	120	0.25	4.37

Available in 25mm thickness.

## Sorrento

### Specifications

#### Styles



#### Colours



*Terracotta*



*Charcoal*

#### Sizes

Terracotta size	Pack Qty	Pack Weight	m <sup>2</sup> per pack
300 x 300mm	60	0.33	5.40

Charcoal Infill size	Pack Qty	Pack Weight	m <sup>2</sup> per pack
(Full) 100 x 100mm	40	0.08	-
(Half) 100 x 100 x 140mm	80	0.08	-

Available in 25mm thickness. Infill and half Infill available in contrasting Charcoal.

## Tuscany & Sorrento

The moulds for both ranges are made from genuine Italian tiles, and details like hand-made draw marks and worn surface areas are faithfully reproduced. They're ideal for giving that continental feeling indoors and out. The charcoal infill can be used with both Tuscany and Sorrento.



See page 27 to view our laying patterns



Walling

# NATURAL WALLING



## ▲ Linhay Selected Rubble Walling Stone\*

Devonian Blue/Grey Limestone  
quarried at the southern end of the  
Dartmoor National Park.

## ◀ Pigsdon Selected Walling Stone\*

Pigsdon is a Gritstone quarried in  
North East Cornwall.  
Available in 2 approximate sizes;  
100-150mm building stone  
150-225mm building stone

*\*As with all natural products colour will vary  
depending on what part of the quarry is  
being worked. Supplied in bulk tipped  
loads. Approximately 1 tonne covers 2m²*

See page 30 to view our walling patterns



Try our free online paving calculator at  
[www.ejwglendinning.co.uk](http://www.ejwglendinning.co.uk)

## Walling

# SCREEN BLOCKS

The classic way to create privacy in your outdoor living area, or to build balustrade walling around terraces or patios. They're permanent, maintenance free, and need no painting.

## Pier Blocks, Caps and Copings

For stability, screen walls need support at a maximum of every 3 metres with these specially-designed pier units. Choose from Apex or Flat Topped Caps and Copings to suit the style of your wall.

## Specifications



*Palma*



*Genoa*

## Colours



*Natural*

### Screen Blocks

Approximately 300 x 300 x 100mm.  
 Pack Qty: 108. Pack weight: 1.08

### Pier Blocks

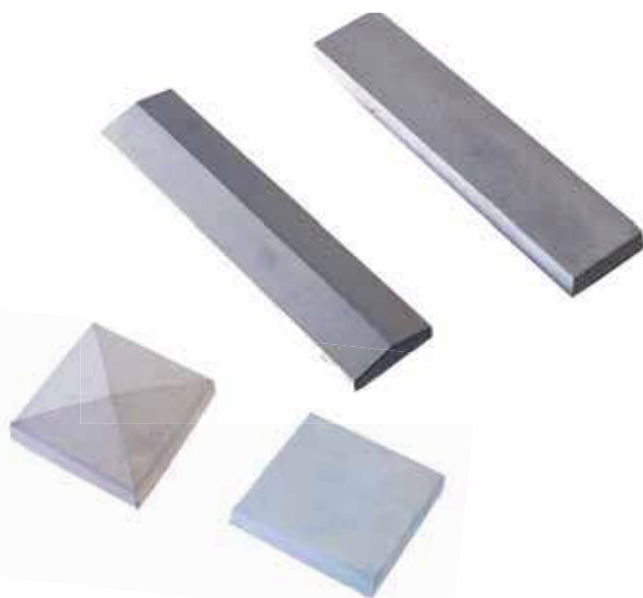
Approximately 185 x 185 x 200mm.  
 Produced in the form of ends and intermediates only.  
 Pack Qty: 64. Pack weight: 0.67

### Copings

Available in Apex and Flat Top.  
 Approximately 600 x 140 x 38mm.  
 Pack Qty: 80. Pack weight: 0.56

### Pier Caps

Available in Apex and Flat Top.  
 Approximately 215 x 215mm.





## Walling

# TUMBLED & DEVONSCAPE

## Devonscape Walling

Devonscape is a versatile walling block that can be used anywhere from step risers to low walls, retaining walls to housing. It has the appearance and texture of natural stone, yet its uniform dimensions make it much easier to work with. Wallstone heights of 65mm and 140mm are designed to be used with joints of 10mm to give course heights of 75mm and 150mm. The 300mm length is designed to give a with-joint module of 310mm.

### Specifications

#### Styles



#### Sizes

Size	Pack Qty	Pack Weight
300 x 100 x 140mm	162	1.53
300 x 100 x 65mm	324	1.45
150 x 100 x 140mm	324	1.56
150 x 100 x 65mm	648	1.56



*Natural*



*Buff*



*Charcoal*

## Tumbled Walling

Tumbled walling is based on our Devonscape Walling range but processed to give an aged appearance to any newly built wall.



*Charcoal*



*Natural*



*Buff*



Walling

# HEYSTONE

## Heystone Walling

It looks like Cotswold Stone or Granite, yet it's manufactured in regular blocks patterned by false joints.



*Weathered York*



*Textured Buff\**



*Granite\**



*Buff*



*Coping for Buff & Weathered York*



*Coping for Granite*



*Coping for Textured Buff*

## Specifications

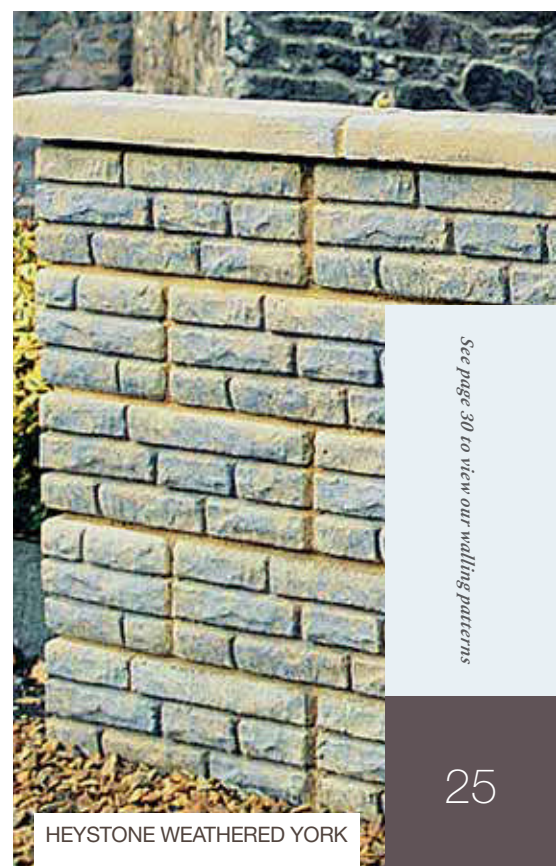
### Styles



### Sizes

Size	Dimensions	Pack Qty	Pack Weight
Full Block	440 x 100 x 150mm	70	0.97
Half Block	220 x 100 x 150mm	140	0.86
Coping	530 x 150 x 50mm	80	0.65
Textured Coping	914 x 150 x 50mm	80	1.16

\*Textured buff and Granite are not supplied with quoin ends unless requested at time of order. Only one end can be textured to match the face. As of 2019 Pink has been discontinued. Contact the sales office for remaining stock availability.



See page 30 to view our walling patterns

HEYSTONE WEATHERED YORK



## Walling

# TORRE

## Torre

As it's manufactured in regular blocks patterned by false joints, you very soon build up the effect of natural stone walling, without learning traditional stonework skills.

Torre Walling is manufactured in a choice of 3 colours.

## Specifications

### Styles



### Colours



Charcoal



Weathered  
York



Birchwood



Birchwood

Charcoal

Weathered York

Torre Coping

## Sizes

Size	Dimensions	Pack Qty	Pack Weight
Full Block	450 x 120 x 112mm	84	0.90
Half Block	225 x 120 x 112mm	168	0.90
Coping	450 x 160 x 130mm	80	0.86

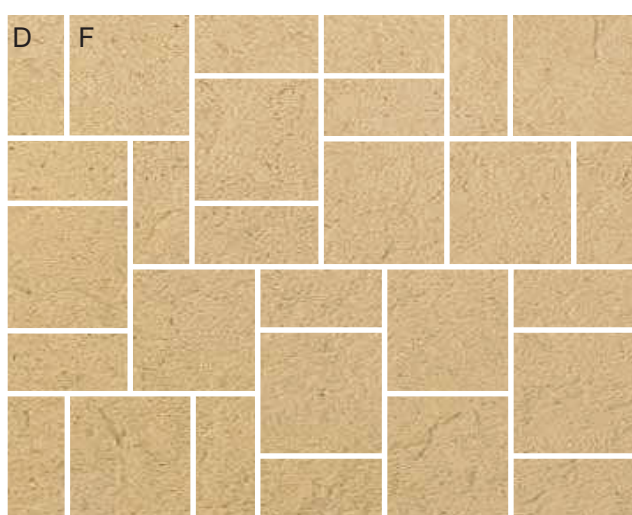
Full blocks available as intermediate block or with finished ends. Half blocks finished ends only.



WEATHERED YORK



# PAVING PATTERNS

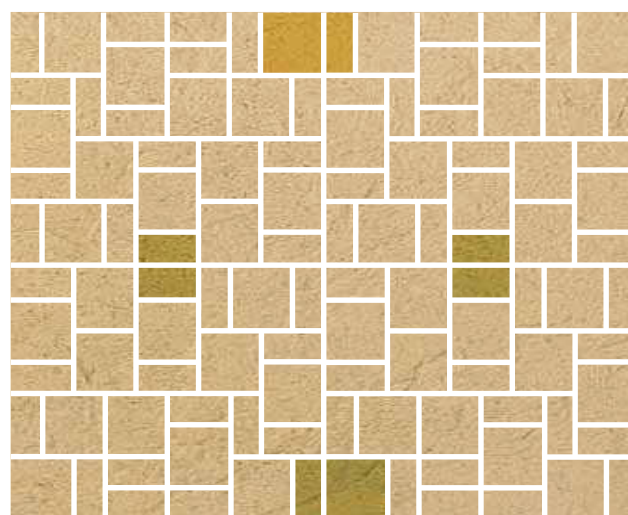


Linhay / Devontex 3 x 2.4m  
7.2m<sup>2</sup> Patio Pack Example 1

D 300 x 600 = 16  
F 600 x 600 = 12

## Sizes

Size	per m <sup>2</sup>
300 x 300mm	1m <sup>2</sup> /0.09 = 11.11 per m <sup>2</sup>
450 x 450mm	1m <sup>2</sup> /0.2025 = 4.94 per m <sup>2</sup>
600 x 450mm	1m <sup>2</sup> /0.3038 = 3.29 per m <sup>2</sup>
600 x 600mm	1m <sup>2</sup> /0.36 = 2.778 per m <sup>2</sup>



Joining Packs

Rotate to suit

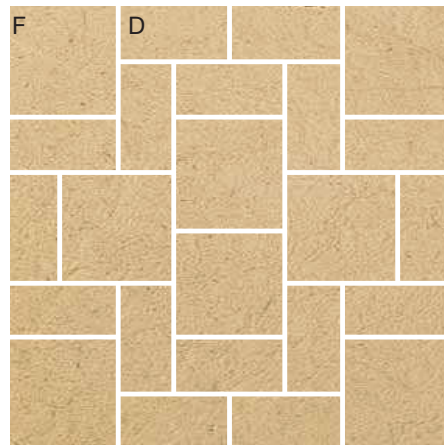
*There are many ways to lay your chosen paving to make your patio even more pleasing to the eye. These designs are approximate, allow 10-15mm between the paving for pointing.*





**Linhay / Devontex** 3 x 2.4m  
**7.2m<sup>2</sup> Patio Pack Example 2**

D 300 x 600 = 16  
 F 600 x 600 = 12



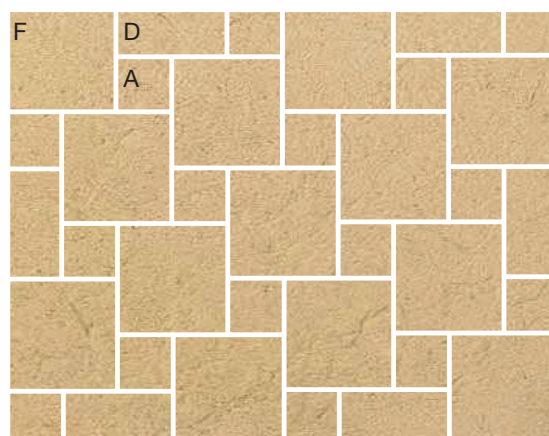
**Ashmoor** 2.4 x 2.4m  
**5.76m<sup>2</sup> Patio Pack**

D 300 x 600 = 16  
 F 600 x 600 = 8



**Trinity Bond - 7.29m<sup>2</sup>** 2.7 x 2.7m

C 450 x 450 = 18  
 H 450 x 675 = 12



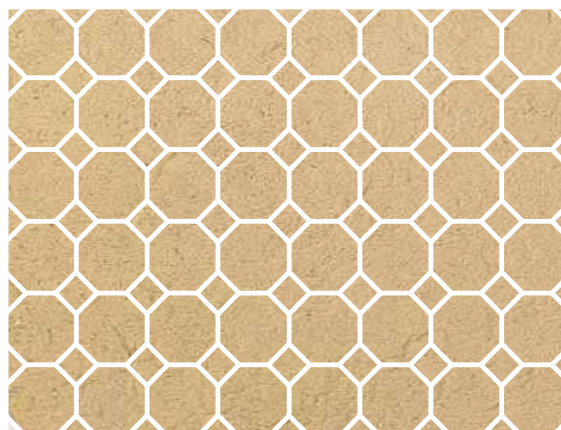
**Dutch - 7.2m<sup>2</sup>** 3 x 2.4m

Suitable for Barbican, Rockriven.

D 300 x 600 = 6  
 F 600 x 600 = 13  
 A 300 x 300 = 16

*DEVONTEX CAN BE USED FOR  
 DUTCH, WESSEX AND RANDOM 4  
 AND 5 PATTERNS, BUT THE 600 X  
 300 WILL NEED TO BE CUT TO  
 MAKE 300 X 300 SIZE.*

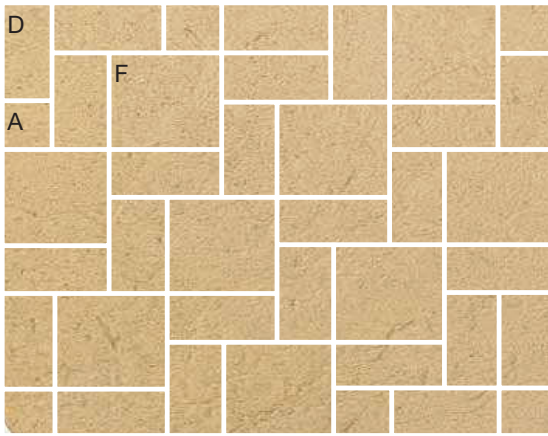
*These designs are approximate,  
 allow 10-15mm between the paving  
 for pointing.*



**Sorrento** 4.32m<sup>2</sup> (1.8 x 2.4m)

Sorrento 300 x 300 = 48  
 Full Infills = 35  
 Half Infills = 28

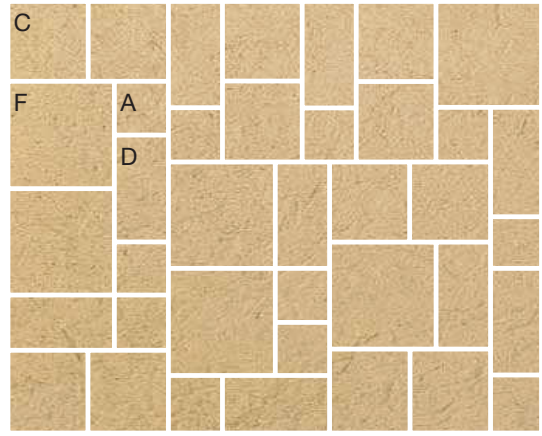




### Wessex - 8.1m<sup>2</sup> 3 x 2.7m

Suitable for Barbican, Rockriven.

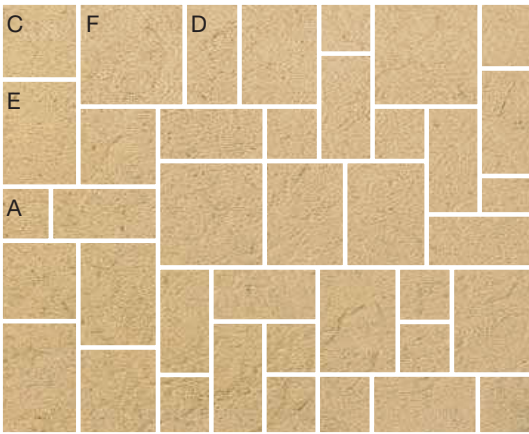
A	300 x 300 = 6
D	300 x 600 = 24
F	600 x 600 = 9



### Random 4 - 7.2m<sup>2</sup> 3 x 2.4m

Suitable for Barbican, Rockriven.

A	300 x 300 = 12
C	450 x 450 = 12
D	300 x 600 = 9
F	600 x 600 = 6



### Random 5 - 7.2m<sup>2</sup> 3 x 2.4m

Suitable for Rockriven.

A	300 x 300 = 13
C	450 x 450 = 4
D	300 x 600 = 11
E	450 x 600 = 8
F	600 x 600 = 3



### Brick Bond - C 7.29/F 12.96m<sup>2</sup>

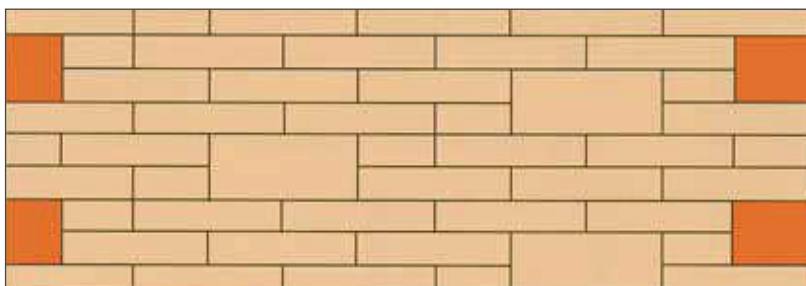
C 2.7 x 2.7m	450 x 450 7.29m <sup>2</sup> = 36
F 3.6 x 3.6m	600 x 600 12.96m <sup>2</sup> = 36

*These designs are approximate, allow 10-15mm between the paving for pointing.*





# WALLING PATTERNS



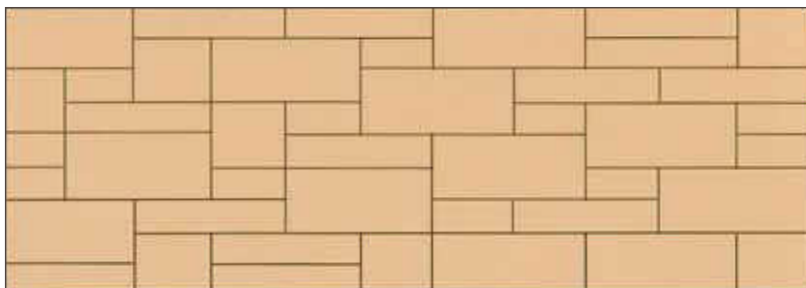
## County

Blocks Required per m<sup>2</sup>

8.60 @ 150 x 65mm

30.10 @ 300 x 65mm

4.30 @ 300 x 140mm



## Random

Blocks Required per m<sup>2</sup>

9.86 @ 150 x 65mm

11.65 @ 300 x 65mm

4.04 @ 150 x 140mm

11.20 @ 300 x 140mm



## Cottage

Blocks Required per m<sup>2</sup>

9.56 @ 150 x 65mm

19.12 @ 300 x 65mm

9.56 @ 300 x 140mm



## Dutch

Blocks Required per m<sup>2</sup>

17.20 @ 150 x 65mm

17.20 @ 300 x 140mm

 Quoin block or use  
300 x 140mm to continue  
pattern



# GUIDE TO WALLING CONSTRUCTION

## Important Information

For a retaining wall higher than 0.6 metres or any other wall above 0.9 metres it is recommended that professional advice should be sought on its construction and whether planning permission is required. As a guide the depth should be  $\frac{1}{3}$  of the walls height and the foundation width should be at least 3 times as wide as the wall.

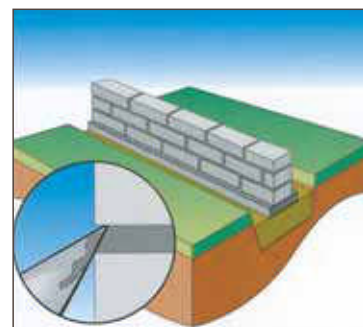
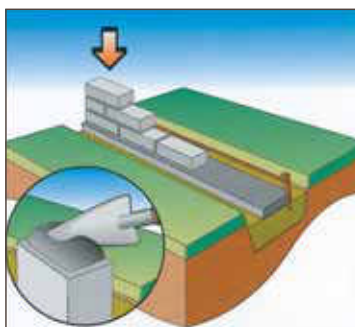
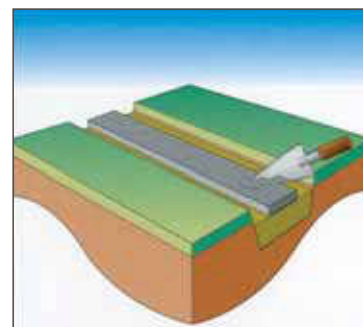
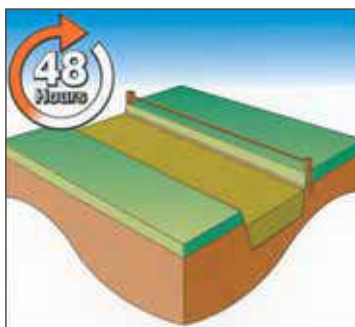
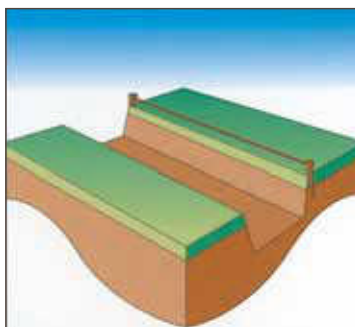
## Preparation

Dig a foundation trench of the required width and depth, ensure the ground is firm and if in doubt seek professional advice. Lay a level concrete footing using 4 parts aggregate, 2 parts sand to 1 part cement (1:2:4) or contact Glendinning for a delivery of Readymix concrete.

## Laying

Mix up a mortar of 1:3 cement to building sand. With a trowel, spread mortar on the foundations where the wall is to go. Lay the corners and ends up to 3 or 4 courses. Then stretch a string-line between the two ends, and build up one course at a time. For accuracy, check with a spirit level vertically, horizontally and diagonally. When you've laid one course, spread mortar along the top ready for the next course. Spread enough mortar so that when a block is in the correct position, a little squeezes out all along the joint. Walls up to 450mm high can be built without piers but over this height piers are needed every 3 metres.

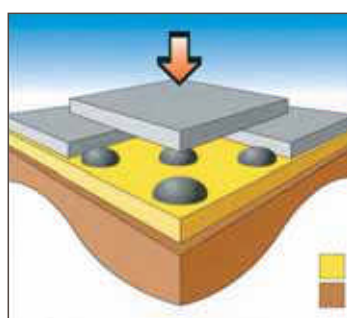
Instructions are a guide only



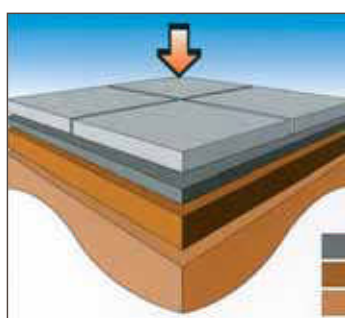
Remember to put mortar on the end of each block before you lay it. This fills the end joint. Cut any surplus mortar off with the trowel. Using a pointing trowel, smooth and finish the mortar joints. Build 6 to 8 courses – then stop to allow the mortar to set before you start to build again. When the wall is complete, finish with a coping.



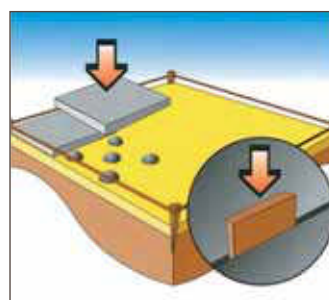
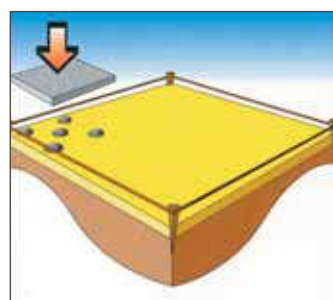
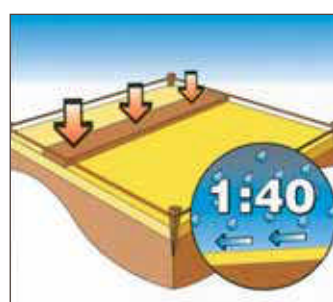
# GUIDE TO PAVING CONSTRUCTION



Light Garden Use



Driveways



## Preparation is key

Spend time in planning the design and materials required. The more in-depth the planning the better the result. Take note of new planning regulations for front gardens/driveways and consider appropriate drainage where required.

The finished level of the patio should be at least two full bricks below the damp proof course with a fall of 1:4 away from the building.

Paving can be laid on a bed of sharp sand on top of well compacted soil or sub base, but a concrete (ballast 6:1 cement) or screed (sand 4:1 cement) base would provide a more stable foundation for the patio with the depth depending on what traffic the pavers will be taking and ground conditions.

Always dry-lay the pavers first to check desired pattern and adjust as necessary to reduce cuts. If more than one pack is being used the pavers should be randomly selected from different packs to blend colour variations. Should paving slabs need to be moved from point of delivery & restacked prior to laying, ensure an adequate air gap is left between the paving. Failure to do so can promote efflorescence and differential curing once the paving is laid due to retained moisture.

1 Use a string line to mark out the patio edges if required.

Allow 10-15mm for joint widths. Cut short lengths of appropriate thickness timber to act as spacers if required.

2 Mix Sand and Cement mortar in a ratio of at least 4:1. to a consistency which is wet enough to bed the paving. If the mortar is too dry paving may not bed correctly.

If using the 5 spot method ensure the mortar spots are large enough to meet, this will reduce the chance of the paving rocking. Alternatively lay the pavers on a solid mortar bed (recommended) ensuring the mortar is not too dry.



3 Start laying the pavers from one corner.

Cast products due to their very nature and production methods may have 2-5mm laitance on the back. It is advised to remove prior to laying. Failure to remove may cause bonding issues. In warm weather wetting the rear of the slab can aid bonding.

4 Check frequently with a straight edge and spirit level to ensure correct fall and pavers are level.

5 Use a rubber or wooden mallet to tap down the pavers into the mortar if required. Care should be taken not to tap the pavers close to the edge.

6 Allow time for the paving to set prior to pointing.

7 Use a 3:1 mortar mix and pointing trowel to fill the joints. Squeeze a handful of mortar in a gloved hand, if the mortar holds together then the mix should be at the right consistency. Too wet could cause staining, too dry and the mortar will not hold in the joints. Efflorescence can appear around the paving edges soon after pointing. This is due to excess moisture being trapped beneath the paving. Allow the area to dry fully before pointing.

8 To help maintain the patio consider applying a proprietary sealer. Test before applying. Best practice is to apply sealers 12-18 months after laying to allow efflorescence to exhaust from the paving.

9 Do not cover the paved area with tarpaulin or polythene sheeting, as this will cause excess moisture, which may increase the occurrence of efflorescence and promote differential curing.

## Laying a circle

1 Prepare the site in the same way as paving.

2 Dry-lay the circle and mark outline with sand or chalk.

3 Prepare the foundation.

4 Mark the centre with a pin and start to lay the inner ring.

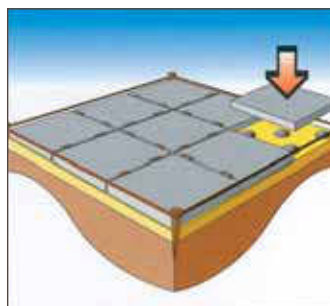
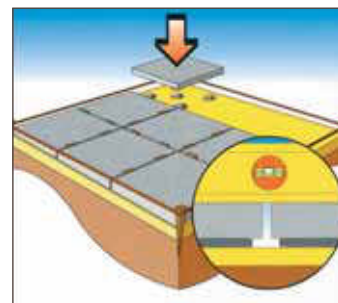
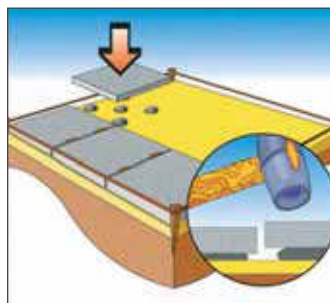
5 Complete each ring in turn.

6 If the circle is being laid as a feature, finish the circle off with a Squaring-Off Paver before proceeding with the rest of the patio.

7 Point the joints once complete.

Try our free online paving calculator at  
[www.ejwglendinning.co.uk](http://www.ejwglendinning.co.uk)

Instructions are a guide only



## Paving your Front Gardens and Drives

Important information on sustainable landscaping

From 1st of October 2008 new rules came into force for householders wanting to pave their front gardens and there may be a requirement to obtain planning permission.

The new rules arose because of an increasing number of homeowners and developers converting front gardens from gravel or grass to hard landscaping causing greater volume of water run off within the mains drainage, increasing the likelihood of localised flooding.

Planning permission may not be needed if a new driveway or front garden is constructed with permeable (or porous) surfacing, allowing the rainwater to filter through to the ground beneath or if the water is directed to lawn or border. Permission will need to be sought if the area is greater than 5m<sup>2</sup> and being constructed with an impermeable surface.

The above information is a guide only; please contact your local planning department for advice.

For more information about planning and permeable solutions visit [www.planningportal.gov](http://www.planningportal.gov)

### Examples of permeable material available from Glendinning

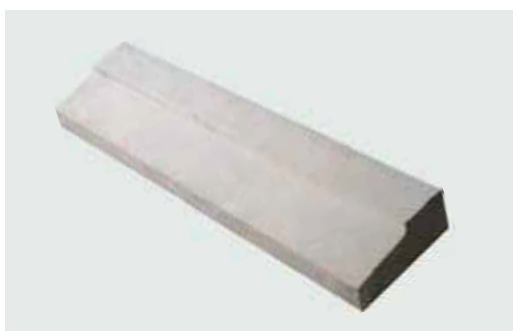
- **Open Graded Bitumen Macadam** - A no fines Macadam that consists of mainly larger size aggregates, which are held together with a bituminous binder producing a honeycomb effect, which enables water to pass through the voids. Traditionally used for Tennis courts to reduce puddling of water to allow play during or shortly after rain. Open graded binder and surface courses available.
- **No Fines Concrete** - Same principle as open graded macadams above, but the single size aggregate is bonded together with cement. No fines concrete reduces the chances of the aggregates shifting which would reduce the size and amount of voids within the concrete as water permeates through reducing its effectiveness.
- **Drainage Aggregates** - Selected blends or single size aggregates that can be used as a soak-a-way, land or highway drainage.
- **Graded Sub Base** - Type 3 open graded SHW 805 is produced for use beneath other permeable solutions as a replacement for 803 that has been traditionally used as a sub base for non-permeable products.

### Drop Kerbs for New Access

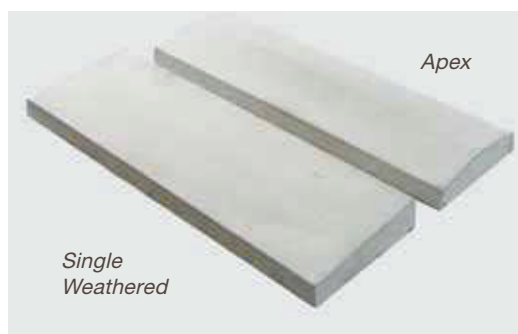
If making a new access for a driveway that crosses a footpath, permission will need to be obtained from your local council, as the pavement could need to be reinforced to protect the underground services such as gas and water.



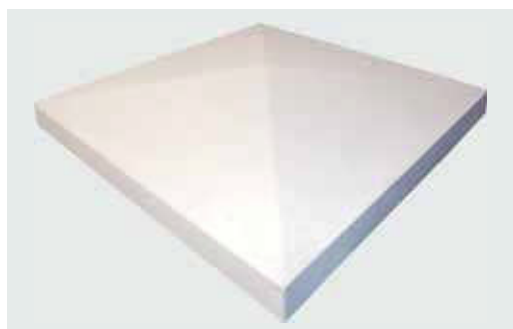
# CILLS, COPING & PIER CAPS



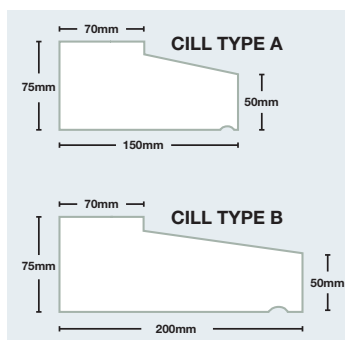
Sunk, weathered, throated, throat 12mm wide and 12mm from front edge



Double throated, throat 12mm wide and 12mm in from the edge



Weathered and throated all round, throat 12mm wide, 12mm from edge



Available in increments of 300mm from 600mm up to 2400mm. Cills can be cut to length as long as exposed steel is painted with an approved metal primer.

**Coping Sizes** 914mm long #Reducing to 600mm long in 2019/20- see latest price list or enquire.  
\*600mm long

Single Weathered	Depth	Double Weathered	Depth
178mm	63/38mm	-	-
178mm	-	178mm	70/45mm
229mm	75/50mm	229mm	75/50mm
305mm*	75/50mm	305mm*	75/50mm
356mm	75/50mm	356mm	75/50mm
406mm#	75/50mm	406mm#	75/50mm
450mm#	75/50mm	450mm#	75/50mm
500mm	75/50mm		

## Pier Cap Sizes

Overall Dimensions	Depth
305mm	75/50mm
406mm	100/50mm
450mm	100/50mm
533mm	100/50mm



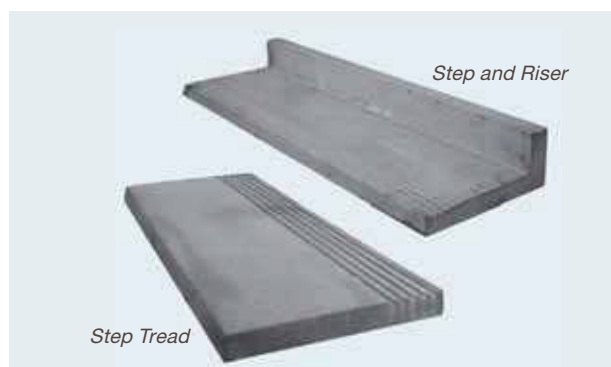
# GENERAL PRODUCTS

## Steps and Risers

Available in plain concrete. 900 x 375 x 150 x 50 overall.  
1200 x 375 x 150 x 50 overall.

## Step Treads

Available in plain concrete. 900 x 375 x 50 overall.  
1200 x 375 x 50 overall.



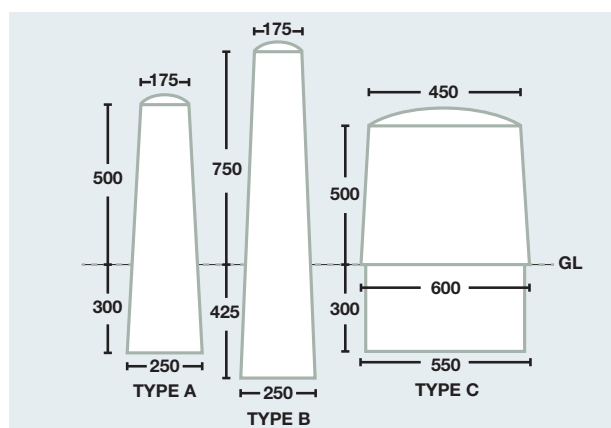
## Gully Surround (internal measurements)

240 x 195 x 150mm. Pack Qty: 42.  
300 x 300 x 150mm. Pack Qty: 28.



## Bollards

Bollards are available in plain concrete.





# DEVONTEX COUNTRY STYLE PRODUCT

## Devontex Textured Paving

This is hydraulically pressed and has been shot blasted to expose the natural stone aggregate to create a high slip resistant surface enhancing its appearance.



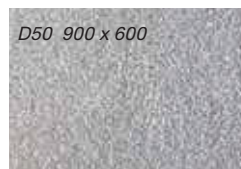
FORE STREET, TIVERTON  
CHARCOAL TEXTURED, 450 X 300 X 65

## Specifications

(Full range of colours & sizes on page 42 some products made to order)

### Colours & Sizes Textured to Order

Colour	Size	Pack Qty	Pack Weight	m <sup>2</sup> per pack
Buff & Natural	B50 600 x 600 x 50mm	20	0.77	7.20
Natural	D50 900 x 600 x 50mm	20	1.20	10.8
Natural	C50 750 x 600 x 50mm	20	0.94	9.00
Natural	E50 450 x 450 x 50mm	40	0.89	8.10
Silver Grey	F65 400 x 400 x 65mm	30	0.67	4.80
Plymouth Grey	F65 400 x 400 x 65mm	30	0.67	4.80
Made to order	F65 450 x 300 x 65mm	30	0.75	4.80



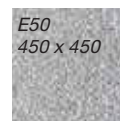
D50 900 x 600



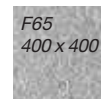
C50 750 x 600



B50 600 x 600



E50  
450 x 450



F65  
400 x 400





*Country Style products are produced with 90% locally sourced sustainable granite aggregates from Devon and Cornwall.*

## BN Country Style Kerb

*Used to construct steps offering greater non-slip than standard kerb.*



## Country Style Kerb

Size and radius specifications on page 40-41.

*Buff*



*Plymouth Grey*



*Charcoal*



*Natural/Silver Grey*



## Devontex

Paving colour options  
(some sizes and colours made to order)



Construction & Hard Landscaping

# URBAN PAVING



## Standard Paving and Flag “Rockhard 50”

The advent of B.E.S.E. paving has complemented rather than replaced the demand for traditional sizes which continue to be the mainstay of the industry. Where there is little danger of heavy traffic causing damage, or where there is a need to match with existing BS 7263 paving, these sizes still have their uses, and hydraulic pressing ensures great strength and durability.

Standard “Rockhard 50” Paving is available in Standard Dimpled Finish.

### Specifications

#### Style



Standard

#### Colours



Natural



Buff



D50 900 x 600



B50 600 x 600



C50 750 x 600



E50  
450 x 450



F65  
400 x 400

### Colours & Sizes

Colour	Size	Pack Qty	Pack Weight	m <sup>2</sup> per pack
Buff & Natural	B50 600 x 600 x 50mm	20	0.77	7.20
Natural	D50 900 x 600 x 50mm	20	1.20	10.8
Natural	C50 750 x 600 x 50mm	20	0.94	9.00
Natural	E50 450 x 450 x 50mm	40	0.89	8.10
Natural	F65 400 x 400 x 65mm	30	0.67	4.80

\*Made to order





*Manufactured in Plymouth with 90% secondary granite aggregate*

## Bevel Edged Small Element

This paving has been developed to provide three significant advantages:

- Reduced vulnerability to damage by vehicles mounting footpaths
- Bevelled edges greatly reduce the danger of settlement causing “trips” to develop
- Improved visual appearance offered by the compact sizes
- The texture of the paving has the normal pimple face of hydraulically pressed paving, providing a slip resistant surface also available in an exposed aggregate finish.

### Specifications

#### Colours & Sizes

Size	Pack Qty	Pack Weight	m <sup>2</sup> per pack
F65 400 x 400 x 65mm	30	0.67	4.80
450 x 300 x 65mm	30	0.63	4.05

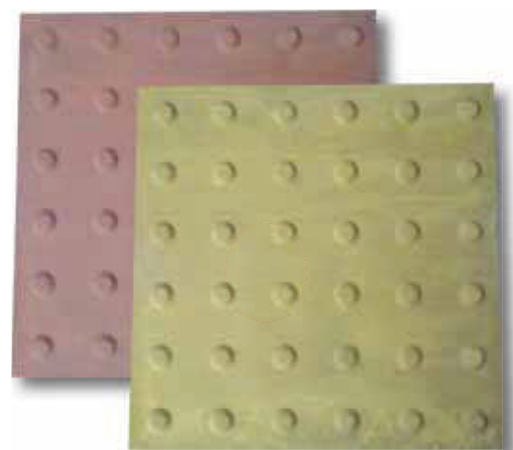
Not BS size



## Tactile Paving

Tactile paving has small domes on the surface which are detected by the feet of blind or partially sighted people to warn of their approach to Pedestrian Crossings. Domes, Buff for uncontrolled crossings; Red for controlled crossings.

Colour	Size	Pack Qty	Pack Weight	m <sup>2</sup> per pack
Red & Buff	400 x 400 x 50mm Domed	30	0.54	7.20



*Standard, Countrystyle, Channel, Radius and Edging*

# KERBS

Reference	Fig	Profile	Section mm H x W	Section Imp W x H	Length mm	Pack Qty	Pack Weight
BN Motorway		Bull Nose	300 x 140	12 x 5	900	14	1.18
HB2	7	Half Battered	255 x 125	10 x 5	914	16	1.03
HB3	7a	Half Battered	150 x 125	6 x 5	914	32	1.25
BN	2a	Bull Nose	150 x 125	6 x 5	914	32	1.25
DR1	7-2a	HB2 - BN	255 x 125 - 150 x 125	10 x 5 - 6 x 5	914	16	0.82
DL1	7-2a	HB2 - BN	255 x 125 - 150 x 125	10 x 5 - 6 x 5	914	16	0.82
CD		Dish Channel	125 x 255	10 x 5	914	16	1.03
CD		Dish Channel	125 x 150	6 x 5	914	32	1.25
CS 1	8	Flat Channel	125 x 255	10 x 5	914	16	1.03
CS 2	8	Flat Channel	125 x 150	6 x 5	914	32	1.35
QHB		Quadrant (HB2)	305 x 255	12 x 10	-	-	-
IA		Internal Angle (HB2)	125 x 255 x 305	5 x 10 x 12	-	-	-
XA		External Angle (HB2)	125 x 255 x 305	5 x 10 x 12	-	-	-
SQ		Square Section	255 x 125	10 x 5	914	16	1.03
Dropper RH		Square Section	255 x 125 - 150 x 125	10 x 5 - 6 x 5	914	16	1.03
Dropper LH		Square Section	255 x 125 - 150 x 125	10 x 5 - 6 x 5	914	16	1.03
EBN		Bull Nose	150 x 50	6 x 2	914	80	1.16
EF		Flat Top	150 x 50	6 x 2	914	80	1.16

*All kerb, channel, radius and EF edgings are available in standard or textured country style finishes.*

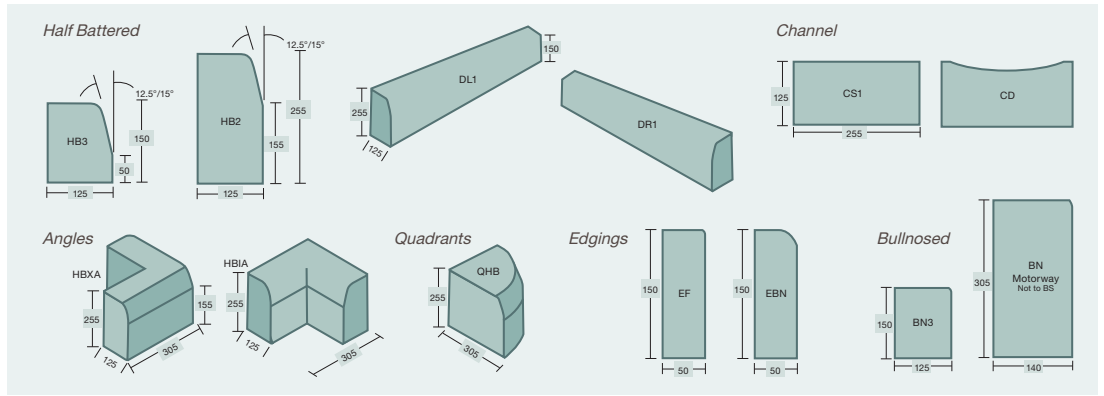




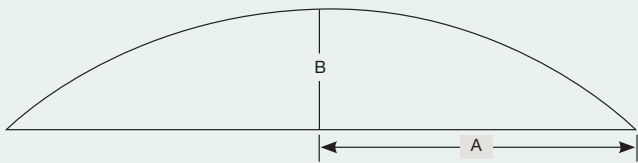
Standard



Textured  
Country Style



## Radius Formula



$$\text{Radius} = \frac{A^2 + B^2}{2B}$$

Any radius over 12m use straight kerbs.



Reference	Radius Mtrs	Section mm H x W x L	Section Imp H x W	No per ¼ Circle	Pack Size	Pack Weight Tonne
HB2 External Radius	1	253 x 125 x 780	10 x 5	2	16	0.73
HB2 External Radius	2	253 x 125 x 780	10 x 5	4	16	0.73
HB2 External Radius	3	253 x 125 x 780	10 x 5	6	16	0.73
HB2 External Radius	4	253 x 125 x 780	10 x 5	8	16	0.73
HB2 External Radius	6	253 x 125 x 780	10 x 5	12	16	0.73
HB2 External Radius	8	253 x 125 x 780	10 x 5	16	16	0.73
HB2 External Radius	10	253 x 125 x 780	10 x 5	20	16	0.73
HB2 External Radius	12	253 x 125 x 780	10 x 5	22	16	0.73
HB2 Internal Radius	3	253 x 125 x 780	10 x 5	6	16	0.73
HB2 Internal Radius	6	253 x 125 x 780	10 x 5	12	16	0.73
HB2 Internal Radius	10	253 x 125 x 780	10 x 5	20	16	0.73
BN3 External Radius	3	148 x 125 x 780	6 x 5	6	24	0.72
BN3 External Radius	6	148 x 125 x 780	6 x 5	12	24	0.72
BN3 External Radius	10	148 x 125 x 780	6 x 5	20	24	0.72
BN3 External Radius	12	148 x 125 x 780	6 x 5	22	24	0.72
BN3 Internal Radius	3	148 x 125 x 780	6 x 5	6	24	0.72
BN3 Internal Radius	6	148 x 125 x 780	6 x 5	12	24	0.72
BN3 Internal Radius	10	148 x 125 x 780	6 x 5	20	24	0.72

Please note that Radius and Straight Kerb are made in different production units using different methods and aggregates. To ensure that the texture and finish of our Country Style Radius Kerb match our Country Style Straight Kerb and Dropper units, a minimum of 4 weeks' notice is required for radius units if a match is required. This is to ensure Radius Kerb products can be made with the same aggregates.

# Pressed and Textured Paving Sizes, Profiles and Colours

Devontex paving colour  
options (some sizes and  
colours made to order)







Buff







Plymouth Grey

Charcoal

Natural/Silver Grey

Key	○ = Made to order - please enquire (Standard or Textured Finishes)
	★ = Stock item Dimpled surface (Devonscape - Rockhard - BESE)
	■ = Stock item Textured surface (Devontex and other Textured ranges)
	● = Stocked Profile
Local reclaimed granite aggregates are used in some of our products	

% granite (correct at time of print)					90	90	90
					Dimpled 	Dimpled 	Dimpled 
					Textured 	Textured 	Textured 
Size mm/Colour					Silver Grey		Buff
Profile					Natural Grey		
L	W	D	Square	Bevel Edge			
450	x	450	x	35	●	○	★ ■
600	x	600	x	35	●	○	★ ■
F50	400	x	400	x	50	○	○
450	x	300	x	50	○	○	○
E50	450	x	450	x	50	●	○
600	x	300	x	50	○	○	○
A50	600	x	450	x	50	○	○
B50	600	x	600	x	50	★ ■	○
C50	750	x	600	x	50	★ ■	○
900	x	300	x	50	●	○	○
D50	900	x	600	x	50	★ ■	○
G65	300	x	300	x	65	○	○
F65	400	x	400	x	65	★ ■	○
450	x	300	x	65	●	★ ■	○
E65	450	x	450	x	65	○	○
600	x	300	x	65	●	★ ■	★ ■
A65	600	x	450	x	65	○	○
B65	600	x	600	x	65	○	○
900	x	300	x	65	○	○	○
D65	900	x	600	x	65	○	○

% granite (correct at time of print)					90	90	90
					Dimpled 	Dimpled 	Dimpled 
					Textured 	Textured 	Textured 
Size mm/Colour					Charcoal		Plymouth Grey
Profile					Pink		
L	W	D	Square	Bevel Edge			
450	x	450	x	35	●	★ ■	○
600	x	600	x	35	●	★ ■	○
F50	400	x	400	x	50	○	○
450	x	300	x	50	○	○	○
E50	450	x	450	x	50	○	○
600	x	300	x	50	○	○	○
A50	600	x	450	x	50	○	○
B50	600	x	600	x	50	○	○
C50	750	x	600	x	50	○	○
900	x	300	x	50	●	○	○
D50	900	x	600	x	50	○	○
G65	300	x	300	x	65	○	○
F65	400	x	400	x	65	○	○
450	x	300	x	65	●	○	★ ■
E65	450	x	450	x	65	○	○
600	x	300	x	65	●	★ ■	○
A65	600	x	450	x	65	○	○
B65	600	x	600	x	65	○	○
900	x	300	x	65	○	○	○
D65	900	x	600	x	65	○	○





## Padstones

440 x 215 x 100mm

440 x 215 x 140mm

Standard or exposed finish available.

*Dense and Lightweight*

# CONCRETE BLOCKS

Unit Type All Category II Strength / Size	Unit Description	Dimensions (mm) Tolerance Category D1 +3, -5 +3, -5 +3, -5 Length/Width/Height	Configuration All Group 1 i.e.< 25% Formed Voids	Density Gross (dry) Tolerance $\pm 10\%$ kg/m <sup>3</sup>	Unit Mass (Approx unconditioned) kg	Thermal Conductivity [W/(mK)] EN 1745 P=50% ( $\lambda_{10, dry}$ )	Moisture Movement (total movement) mm/m	No. per Pack
3.6 N/mm <sup>2</sup> 100mm	Standard Common	440 97 215	Solid	1950	18.600	1.00	0.33	72
7.3 N/mm <sup>2</sup> 100mm	Standard Common	440 97 215	Solid	1950	18.600	1.00	0.33	72
10.4 N/mm <sup>2</sup> 100mm	Standard Common	440 97 215	Solid	2000	19.300	1.00	0.33	72
7.3 N/mm <sup>2</sup> 100mm Close Textured	Close Textured / Paint Grade Common	440 97 215	Solid	1950	18.900	1.00	0.33	72
3.6 N/mm <sup>2</sup> 140mm	Standard Common	440 140 215	Solid	1950	27.700*	1.00	0.33	48
7.3 N/mm <sup>2</sup> 140mm	Standard Common	440 140 215	Solid	1950	27.700*	1.00	0.33	48
10.4 N/mm <sup>2</sup> 140mm	Standard Common	440 140 215	Solid	2000	28.300*	1.00	0.33	48
7.3 N/mm <sup>2</sup> 140mm Close Textured	Close Textured / Paint Grade Common	440 140 215	Solid	1950	28.300*	1.00	0.33	48
7.3 N/mm <sup>2</sup> 100mm Light weight Agg'	Standard Common	440 97 215	Solid	1450	14.000	0.53	0.46	90
7.3 N/mm <sup>2</sup> 140mm Light weight Agg'	Standard Common	440 140 215	Solid	1450	19.500	0.53	0.46	60
7.3 N/mm <sup>2</sup> Blockette	Standard Common	215 100 65	Solid	1950	2.700	1.00	0.33	384
7.3 N/mm <sup>2</sup> Blockette Light weight Agg'	Standard Common	215 100 65	Solid	1450	1.960	0.53	0.46	384
7.3 N/mm <sup>2</sup> Coursing Block	Standard Common	440 97 140	Solid	1950	11.700	1.00	0.33	66
Foundation (Trench ) blocks 7.3N/mm <sup>2</sup>	Standard Common	300 350 95	Solid	1900	19.750*	1.00	0.33	66

\* Warning: Single units weigh more than 20kg and require manual handling risk assessment prior to use.

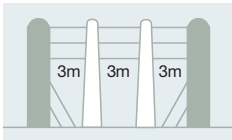
*Wet Cast Steel Reinforced*

# CONCRETE FENCE POSTS



## Intermediate Fence Posts

Tapered from bottom to top and used in a straight run, spaced at a maximum of 3m intervals.



## End Strainers

Square posts used at each end of a fencing run.

## Intermediate Strainers

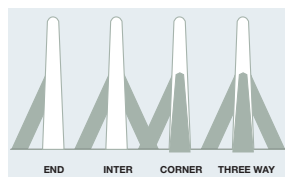
Either 100mm or 125mm square posts, according to height, used at regular intervals to allow for tensioning of line wire.

## Universal Strainers

Either 100mm or 125mm square posts, according to height, holed to enable their use as intermediate, corner or three-way strainer posts.

## Struts

Used as supports for all strainer posts, one strut is required for End Strainers, two for Intermediate and Corner Strainers and three for Three-Way Strainers.





## Cranked Arm Security Posts

2.63m post with a 450mm cranked arm at a 45° angle. Designed to be used with 1800mm chainlink with three strands of barbed wire attached to the cranked arm.

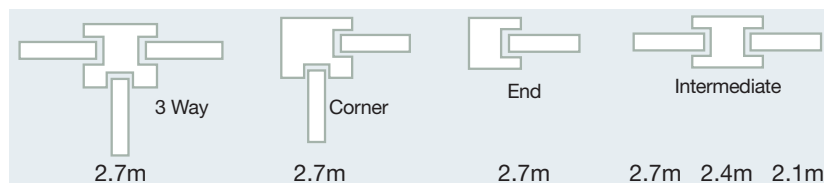
*NB: When ordering cranked arm strainers it must be stated whether the crank faces inwards or outwards.*



## Slotted Posts

2.7m, 2.4m, 2.1m x 115mm x 90mm

For use with Gravel Boards and/or Wooden Fence panels.

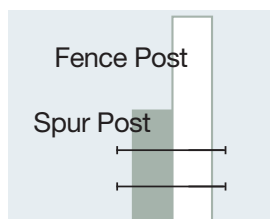


## Gravel Boards

1.83m x 300mm x 50mm finished in Plain Concrete, Single and Double Sided Rockface. For use with Slotted Posts.

## Spur Repair Posts

1.2m x 100mm square post designed for supporting a wooden fence post. As a repair option or a permanent fix.



## Strained Wire Fences

Height of Fence to top Wire	Intermediate Tapered Post	Strainer Posts	Struts	Height of Posts Out of Ground	No. of Line Wires
0.85m	1.50m	1.50m x 100 x 100mm	1.50m x 100 x 100mm	0.925m	4
1.00m	1.67m	1.67m x 125 x 125mm	1.70m x 80 x 75mm	1.075m	5
1.40m	2.07m	2.07m x 125 x 125mm	2.07m x 100 x 75mm	1.475m	7

## Chain Link Fences

Height of Fence to top Wire	Intermediate Tapered Post	Strainer Posts	Struts	Height of Posts Out of Ground	No. of Line Wires
0.90m	1.50m	1.50m x 100 x 100mm	1.50m x 100 x 100mm	0.925m	3
1.20m	1.87m	1.67m x 125 x 125mm	1.70m x 80 x 75mm	1.075m	3
1.40m	2.07m	2.07m x 125 x 125mm	2.07m x 100 x 75mm	1.475m	3
1.80m	2.63m	2.63m x 125 x 125mm	2.63m x 100 x 85mm	1.875m	3

*\* If using a centre wire, use fencing brackets to enable the wire to pass around the support strut.*

*\*\*Posts should be encased on all 4 sides and beneath with a minimum of 100mm of foundation concrete or proprietary post-mix and finished off above ground level, ensuring water is directed away from the base of each post. Consideration needs to be made for correct post spacing and soil conditions, which may require greater foundations and reduced spacing in windy or wet locations. Any alterations, cutting or drilling of the posts may result in a reduced lifespan.*



*Interlocking Concrete Structures*

# BAY BLOCK WALLING SYSTEM

Interlocking concrete blocks are ideal for creating storage bays, freestanding retaining walls or as demarcation blocks.

- Durable - frost resistant and produced with quality assured concrete from limestone aggregates.
- Easy to install - featuring cast sockets for use with approved lifting sockets for easy manoeuvrability.
- Flexibility to relocate your structure when required.
- Various sizes.

Name	Size
Bay Block	800x800x800
Bay Block	1200x800x800
Bay Block	1600x800x800
Bay Block	1600x800x800 Stepped





# PRODUCT INFORMATION

All sizes are nominal

## Application and Suitability

The products contained in this brochure are intended for use in landscape projects and we cannot accept any liability where the products have been used for inappropriate purposes. For technical advice contact our sales office. In the unlikely event of products reaching you in a less than satisfactory condition please refer to your vendor immediately. We cannot accept any liability for any defect once the product has been laid if on investigation it is found that the defect was apparent prior to use.

## Characteristics of Concrete Paving Products

Our decorative concrete paving products are designed to be used in domestic situations and subsequently are often in the open and subject to weathering and general wear and tear from use. Concrete is made with naturally occurring aggregates which can, not only, vary in colour but will also react with its environment. These reactions will not have a detrimental effect on the long term performance of the paving but the following are some particular issues to be aware of:

## Cast Products

Cast products due to their very nature and production methods may have 2-5mm laitance on the back. It is advised to remove prior to laying. Failure to remove may cause bonding issues. In warm weather wetting the rear of the slab can aid bonding.

## Efflorescence

Efflorescence can appear on all concrete paving and precast products, as a white/grey deposit or an apparent lightening of the surface (efflorescence bloom) both of which seem to disappear when wet only to reappear as the surface dries. In general, the UK weather conditions promote its creation over the winter and spring and then it becomes more apparent as these areas come back into frequent use.

It is formed by a chemical reaction between water and naturally occurring salts within the makeup of cement which is used in the creation of concrete products and mortar which they are often bedded on. This reaction creates calcium hydroxide on the surface which combines with carbon dioxide in the atmosphere to form calcium carbonate crystals.

Although there are cleaners available on the market the best advice is to allow the salts to "exhaust" and allow efflorescence to weather naturally.

Advice is available on reducing the chance of efflorescence on pages 32/33 Guide to Paving Construction.

## Colour variations and Dark Patches

Colours can appear different subject to the weather conditions, especially in weathered shades. The extent of variation can depend on the prevailing weather conditions such as sunlight, shade or rain.

The colours shown in this literature are as accurate as photographic and printing processes allow. E & JW Glendinning Ltd advise that colours are judged from actual product samples. Although every effort is made to ensure consistency of product colour, variations between batches due to the use of natural materials do occur and it is recommended that, when purchasing paving products that they are ordered and come from the same batch. If more than one pallet is required ensure that the paving selected from various pallets to achieve a colour blend. Dry laying prior to laying is advised. This is especially important when considering additional orders or extensions to patios.

On occasions dark patches or discolouration may appear on the surface. Differential curing or differential weathering as it's sometimes referred can create these patches which can be enhanced by the presence of efflorescence. This is caused by the surface of the paving curing at different rate and although this will generally diminish it will not affect the long-term use of the products.

It must be noted that these effects are outside of our manufacturing control and E & JW Glendinning Ltd cannot take responsibility for their occurrence. Although their presence will not affect the long-term performance of the product. If total blemish free appearance over time is required, alternative materials should be considered.

## Dusting

In pigmented products with high pigment content some colour transfer may be apparent, should this be an inconvenience then a proprietary dust proofer may be considered.

## Sizes

All sizes stated are nominal and within manufacturing tolerances. It must be noted that riven products especially, due to their very nature, will have greater variations in thickness.

## Maintenance Guidelines

General Cleaning: Aggressive cleaning methods such as pressure washers are not recommended for use on decorative concrete products. We cannot take responsibility for any damage caused by such action. Scrub the area, either by hand or using industrial cleaner with a detergent solution and wash-off with copious quantities of water.

Moss and lichen: Use proprietary chemicals especially designed for this application.

Oil Stains: Do not wipe over, absorb any spillages with absorbent towels, cloths or granules. Use proprietary chemicals especially designed for this application.

Beverage stains: Scrub with soapy water, rinse well. If there is persistent staining use proprietary chemicals especially designed for this application.

De-icing Salts: Can have a destructive effect on all concrete products.

## Protection in Transit

Due to limited protection in transit, there is the remote possibility that the product may acquire scratch marks. This is a surface effect and will be unnoticeable in a very short time.

## Weights and m2 per pack

All weights and m2 per pack are approximate. Weights unless stated are in metric tonnes.

## Health, Safety & The Environment

Before handling any building product you should always undertake your own risk assessment and take appropriate precautions especially with regard to lifting, cutting, drilling or abrading. If a pallet is supplied with your product please contact the Vendor for its return. Packaging should be recycled wherever possible. Do not burn.

## Handling And Storage

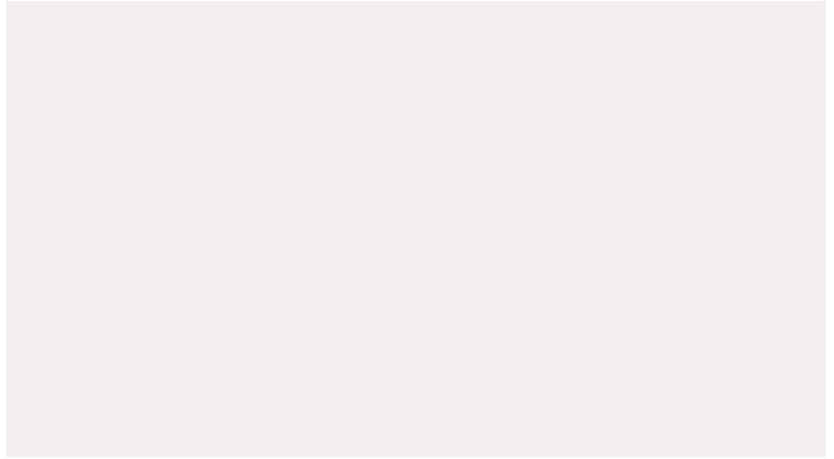
E & JW Glendinning Ltd cannot accept any responsibility for damage to product when being moved. Special notice must be taken with regard to the weight of packs, pallets and individual product: please refer to the brochure for details of weights. It may be wise to wear rugged and protective gloves before handling packs and products. Packs should not be stored on surfaces with poor drainage. On hard surfacing designed as a stock yard packs can be stacked up to 4 high. On level hardstanding packs should not be stacked more than 2 high; we would not recommend stacking on any other surface.

## Terms and Conditions

Our standard terms and conditions apply and are available from our website. In the unlikely event of the customer being dissatisfied with the product, no claims for replacement or compensation will be considered after the product has been installed. Our liability only extends to free replacement of the products in question.



Stockist:



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