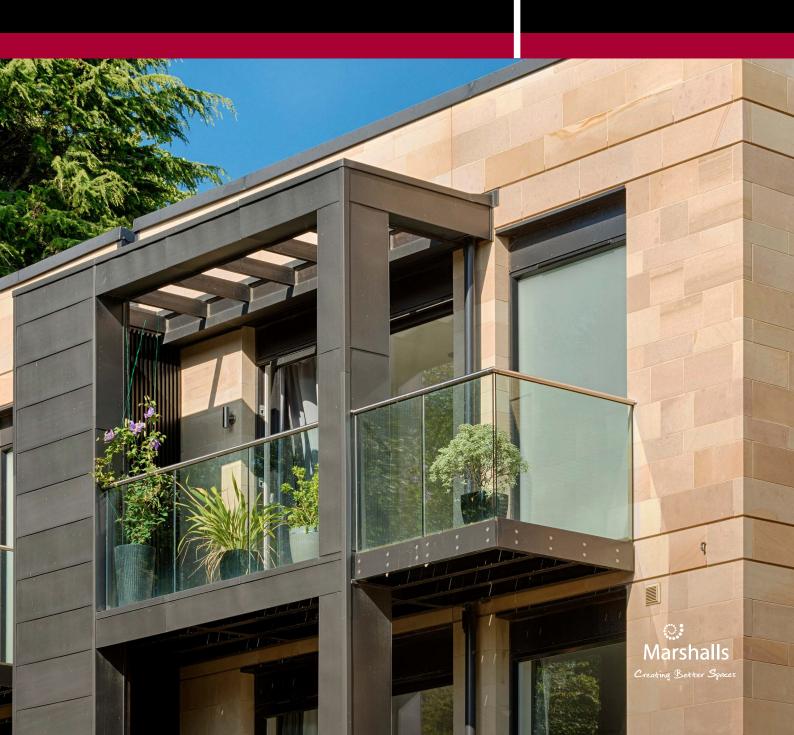
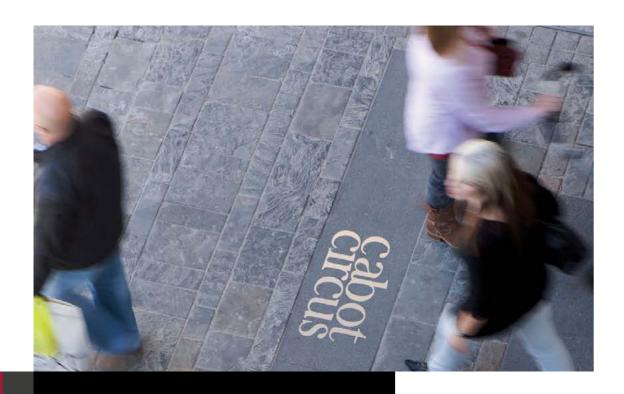
# natura stone

FACADES COLLECTION

marshalls.co.uk/facades





## Marshalls was founded in the 1890's when Solomon Marshall

when Solomon Marshall
first quarried and
produced Cromwell
Sandstone from the
hillside at Southowram.

Since then, Marshalls has developed into the country's leading supplier of natural stone, as well as commercial hard landscaping products, linear drainage and street furniture. The experience gained from those early days has enabled Marshalls to evolve and adapt to meet customer needs, becoming the most innovative and exciting stone supplier in the country.















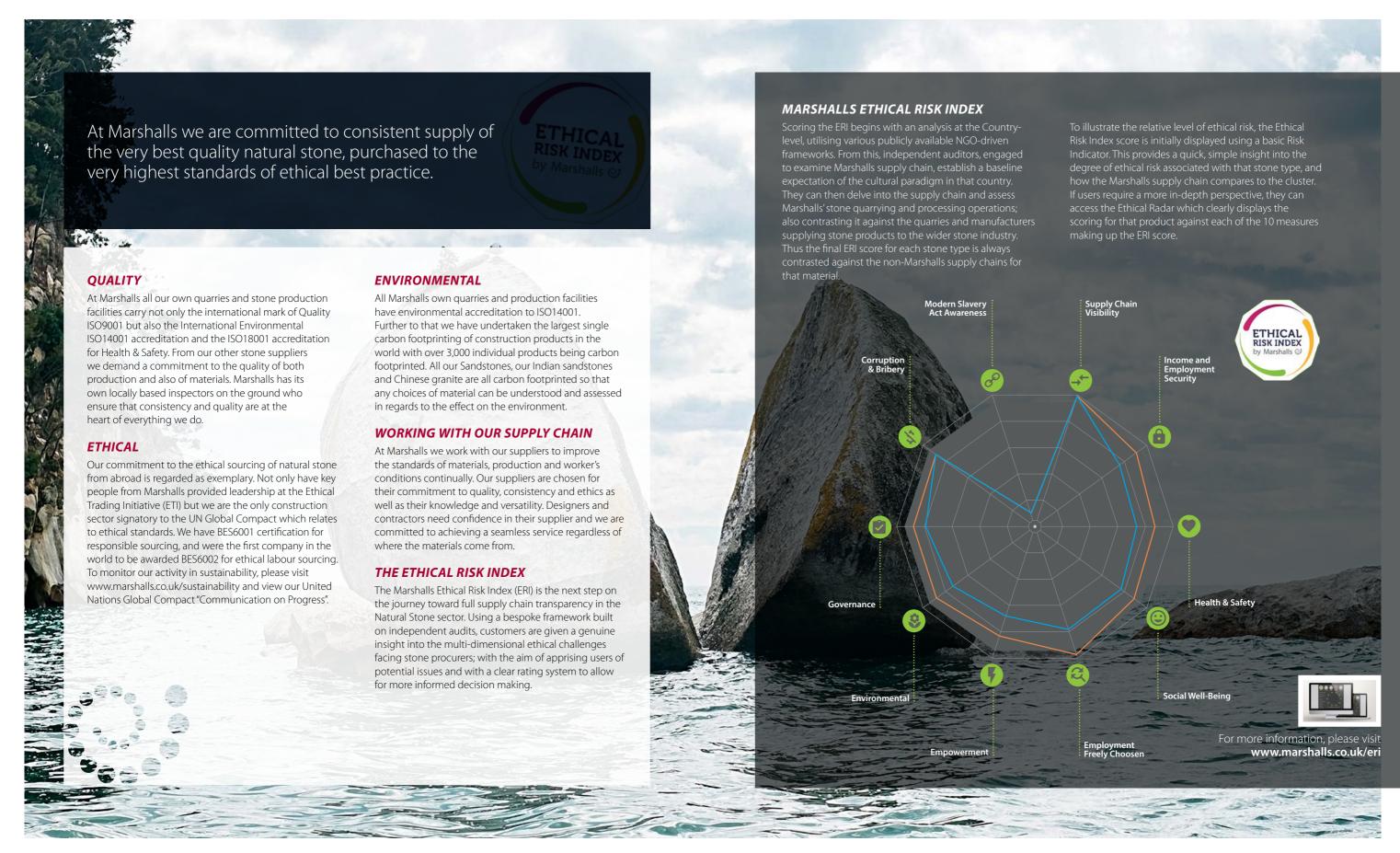






NATURAL STONE | FACADES COLLECTION

## Ethical Procurement & ERI



NATURAL STONE | FACADES COLLECTION

#### **CASE STUDY**

## PROJECT: WOODCROFT

#### **MORNINGSIDE, EDINBURGH**

#### **PROJECT SUMMARY**

Woodcroft is a premium residential housing development in Morningside, Edinburgh comprising of 24 townhouses and 57 apartments. The development combines the best in contemporary architecture with the beauty of a leafy suburban setting.

#### THE BUILT SOLUTION

The materials used in the project had to be high quality. Marshalls' Stanton Moor natural stone was the material of choice to complement zinc cladding, timber and glass.

#### **STONE DESCRIPTION**

Carboniferous sandstone from Dale View quarry.

A buff sandstone with technical properties ideal for rainscreen cladding, ashlar and masonry products.

• • • • • • • • • • • • • • • • • • •

PROJECT DETAILS		
Marshalls		
Stanton Moor Sandstone		
Carboniferous Sandstone		
Dale View Quarry		
Plain, and rusticated ashlar		
Residential		
MLA (Michael Laird Architects) Edinburgh		
Falkirk Stone Masons		









#### DALE VIEW QUARRY

DERBYSHIRE, ENGLAND

A beautiful Derbyshire
Carboniferous sandstone, which
has been used widely across
the UK for all scale of projects
- from major prestigious city
centre schemes to residential
developments and private
homes. Stanton Moor buff
sandstone is also specified in
Scotland on a regular basis
providing a suitable match to
Scottish blonde sandstones
which are no longer available.





#### **CASE STUDY**

### PROJECT: WEST VILLAGE

#### **BEITH STREET, GLASGOW**

#### **PROJECT SUMMARY**

The £65m development consists of two 10-storey blocks designed to house 700 students.

The bespoke fan-shaped radiused facade was engineered from Marshalls Locharbriggs sandstone, quarried from Dunfries and Galloway. The red to pink sandstone is used throughout Glasgow so was sourced for this project to ensure the building harmonises with the city's traditional architecture such as the Kelvingrove Art Gallery and Museum which is situated nearby.

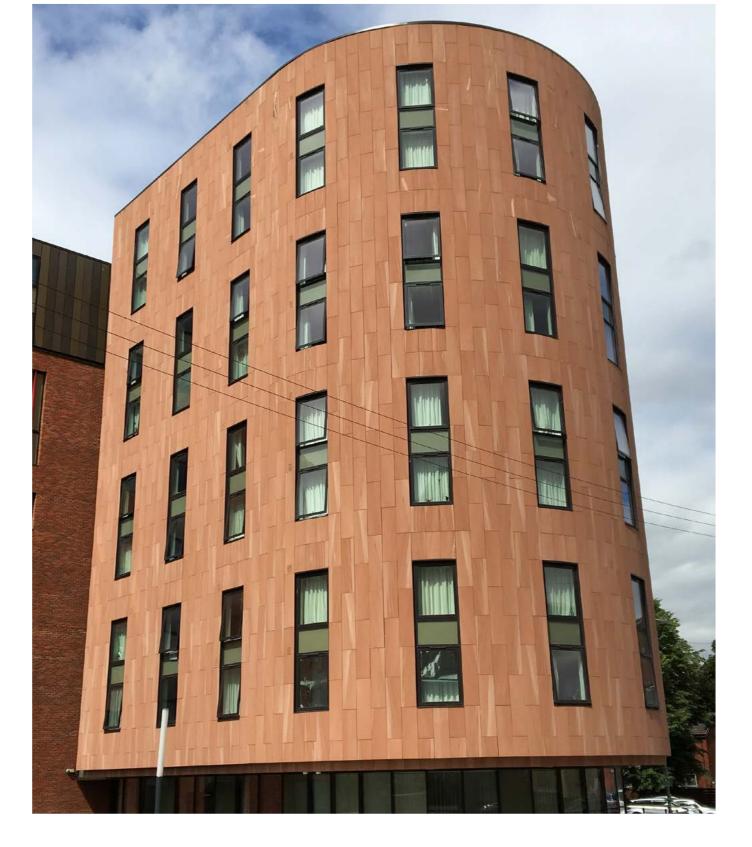
#### THE BUILT SOLUTION

Marshalls provided extra-large elongated portrait panels that were mechanically fixed to a rainscreen cladding system, creating an extraordinary contemporary effect. The plan size of the rainscreen panels was selected to accommodate the building's radial exterior with the thinner width seemingly curving around the impressive structure. Marshalls also provided coping units in the same Locharbriggs sandstone.

#### **STONE DESCRIPTION**

A Permian sandstone from the Locharbriggs Quarry in Dumfries, Scotland.

PROJECT DETAILS		
Stone Supplier:	Marshalls	
Stone Type:	Locharbriggs Sandstone	
Description:	Permian Sandstone	
Quarry:	Locharbriggs Quarry	
Product:	Rainscreen Cladding	
Project Type:	Residential	
Architect:	Falconer Chester Hall	









#### LOCHARBRIGGS QUARRY

DUNFRIES & GALLOWAY, SCOTLAND

A Permian sandstone from the Locharbriggs Quarry in Dumfries, Scotland, Locharbriggs is one of the oldest and largest actively worked red sandstone quarries in Scotland today. Extensive reserves are readily available. Quarried since the 18th century, this red to pink medium grained sandstone is widely specified across Scotland and England.





#### **CASE STUDY**

### PROJECT: ADAGIO HOTEL

#### **NEW WAVERLEY, EDINBURGH**

#### **PROJECT SUMMARY**

As part of the £200m development of Edinburgh's historic old town, a new Accor Adagio Aparthotel was commissioned. Overlooking the characterful Royal Mile, the exterior facade of the new building had to seamlessly integrate old with new.

#### THE BUILT SOLUTION

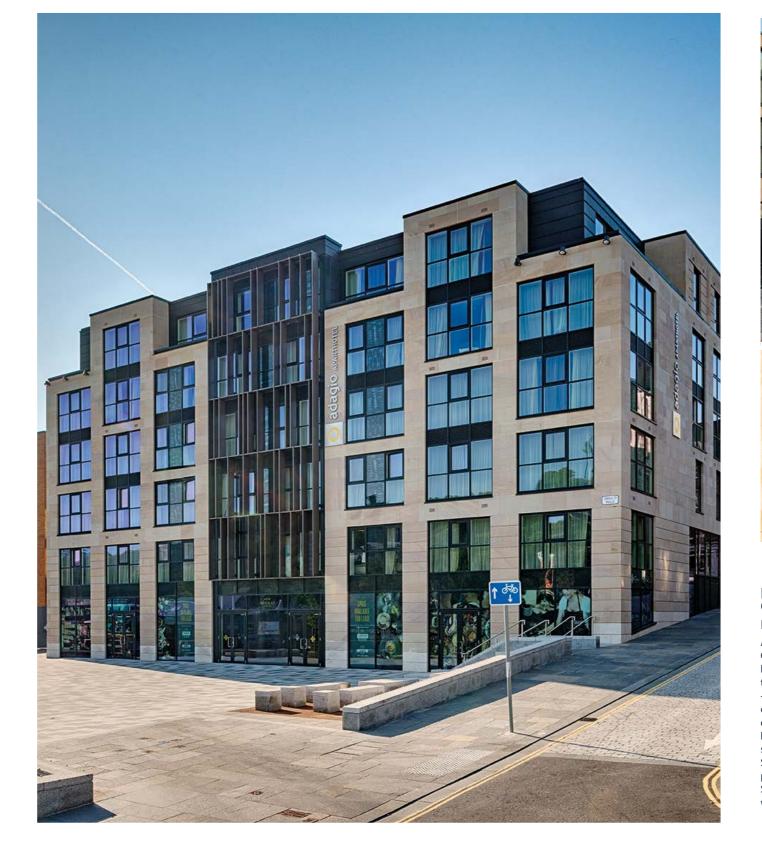
The remarkable hotel takes a traditional material and transcends into a contemporary sandstone facade that wraps around the building. The striking colouration of Stanton Moor sandstone features a buff base with brown and gold variation, matching closely with the materials used in the historic city.

#### **STONE DESCRIPTION**

Carboniferous sandstone from Dale View quarry.

A buff sandstone with technical properties ideal for rainscreen cladding, ashlar and masonry products.

#### **PROJECT DETAILS** Stone Supplier: Marshalls Stone Type: **Stanton Moor Sandstone** Description: **Carboniferous Sandstone** Quarry: Dale View quarry Plain, and rusticated ashlar Product: Project Type: Leisure Allan Murray Architects (AMA) Architect: Stone Fixer: Stone Systems Main Contractor: McAleer & Rushe









#### DALE VIEW QUARRY

DERBYSHIRE, ENGLAND

A beautiful Derbyshire
Carboniferous sandstone, which
has been used widely across
the UK for all scale of projects
- from major prestigious city
centre schemes to residential
developments and private
homes. Stanton Moor buff
sandstone is also specified in
Scotland on a regular basis
providing a suitable match to
Scottish blonde sandstones
which are no longer available.





APPLETON DODDINGTON

FLETCHER BANK

LAZONBY

SCOUTMOOR

STANTON MOOR

ST BEES

STOKE HALL

MARSHALLS HAS A BROAD RANGE

OF UK NATURAL SANDSTONE WITH

LOCHARBRIGGS A SELECTION OF COLOURS THAT IDEALLY SUIT BRITISH TASTES,

REFLECTING THE HERITAGE OF TOWNS

AND CITIES ACROSS THE COUNTRY.









#### **APPLETON** YORKSTONE

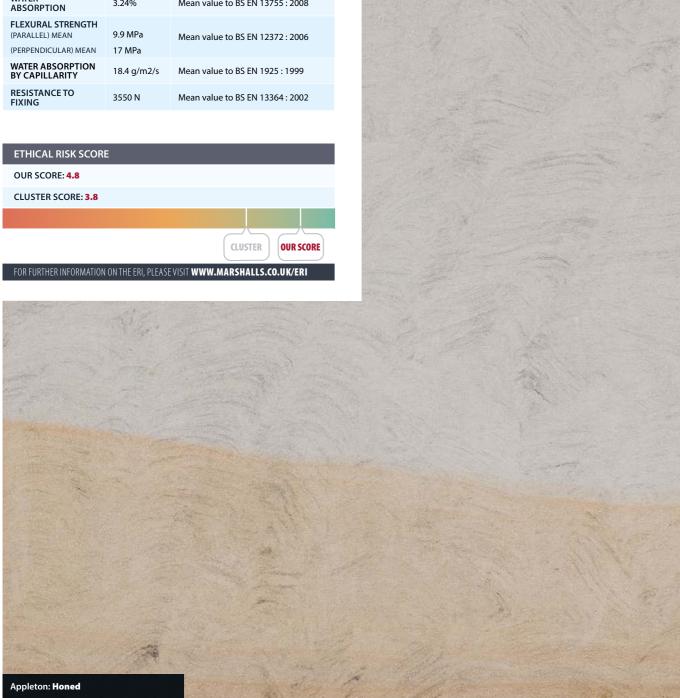
Blue to buff with a unique crescent shaped banded appearance in many pieces.

Quarried and produced in the UK to ISO9001 quality assurance standards.

All Marshalls Sandstones are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2432 kg/m3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	3.24%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH (PARALLEL) MEAN (PERPENDICULAR) MEAN	9.9 MPa 17 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	18.4 g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	3550 N	Mean value to BS EN 13364 : 2002





A uniquely pink and mainly fine grained sandstone.

Quarried and produced in the UK to ISO9001 quality assurance standards.

All Marshalls Sandstones are fully tested to the appropriate standards in the UK and are allCE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2110 Kgm -3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	6.3%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH (PARALLEL) MEAN (PERPENDICULAR) MEAN	3.3 MPa 3.1 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	413 g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	1200 N	Mean value to BS EN 13364 : 2002



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## **FLETCHER BANK**







#### **FLETCHER BANK SANDSTONE**

A buff to grey fine grained sandstone.

Fletcher Bank: Honed

Quarried and produced in the UK to ISO9001 quality assurance standards.

All Marshalls Sandstones are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2310 Kgm -3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	3.6 %	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH (PARALLEL) MEAN (PERPENDICULAR) MEAN	4.4 MPa 5.5 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	16g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	1650 N	Mean value to BS EN 13364 : 2002







A consistent salmon red medium grained sandstone.

Quarried and produced in the UK to ISO9001 quality assurance standards.

All Marshalls Sandstones are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2360 Kgm -3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	2.4%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH (PARALLEL) MEAN	5.8 MPa	Mean value to BS EN 12372 : 2006
(PERPENDICULAR) MEAN	6.3 MPa	
WATER ABSORPTION BY CAPILLARITY	27.7g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	2250 N	Mean value to BS EN 13364 : 2002



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## **LOCHARBRIGGS**







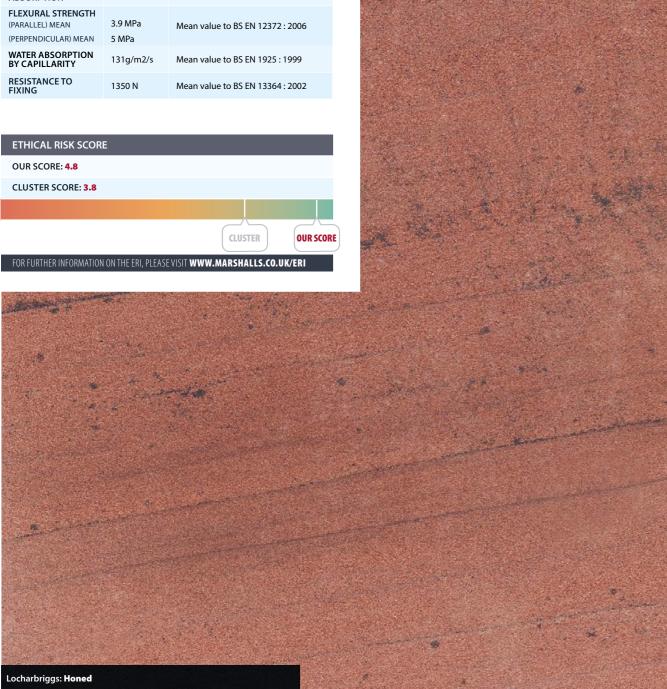
#### **LOCHARBRIGGS** SANDSTONE

A red to pink medium grained sandstone with light veining.

Quarried and produced in the UK to ISO9001 quality assurance standards. All Marshalls Sandstones are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

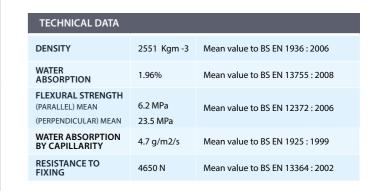
TECHNICAL DATA		
DENSITY	2000 Kgm -3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	8.3%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH (PARALLEL) MEAN (PERPENDICULAR) MEAN	3.9 MPa 5 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	131g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	1350 N	Mean value to BS EN 13364 : 2002





Products include Rainscreen Cladding, Ashlar and bespoke items.

**SCOUTMOOR** YORKSTONE













#### **STANTON MOOR** SANDSTONE

A warm buff sandstone.

Stanton Moor: Honed

Quarried and produced in the UK to ISO9001 quality assurance standards.

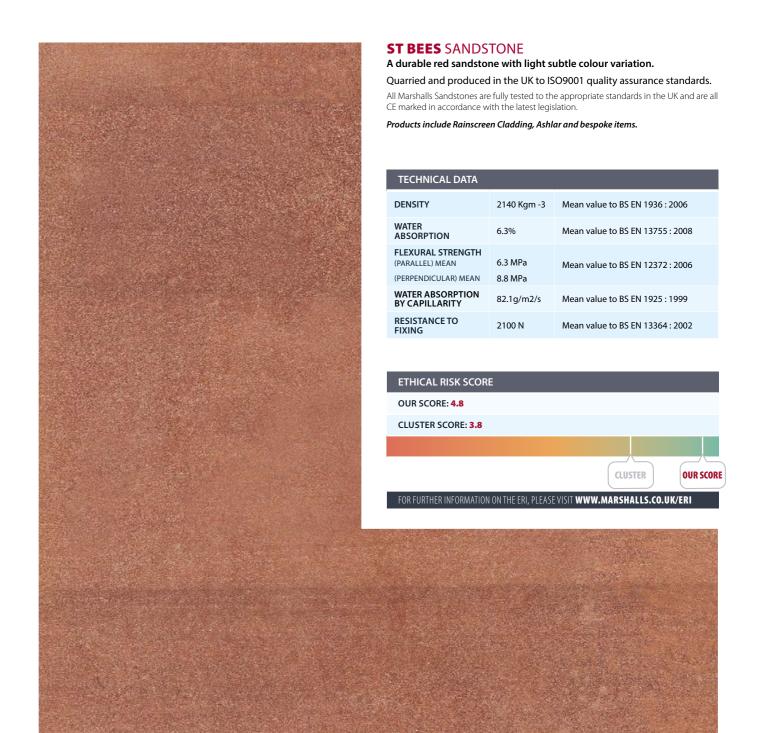
All Marshalls Sandstones are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2290 Kgm -3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	4%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH (PARALLEL) MEAN (PERPENDICULAR) MEAN	6.7 MPa 9 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	37.3g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	2650 N	Mean value to BS EN 13364 : 2002







FACADES | BRITISH SANDSTONE COLLECTION FACADES | BRITISH SANDSTONE COLLECTION

St Bees: Honed





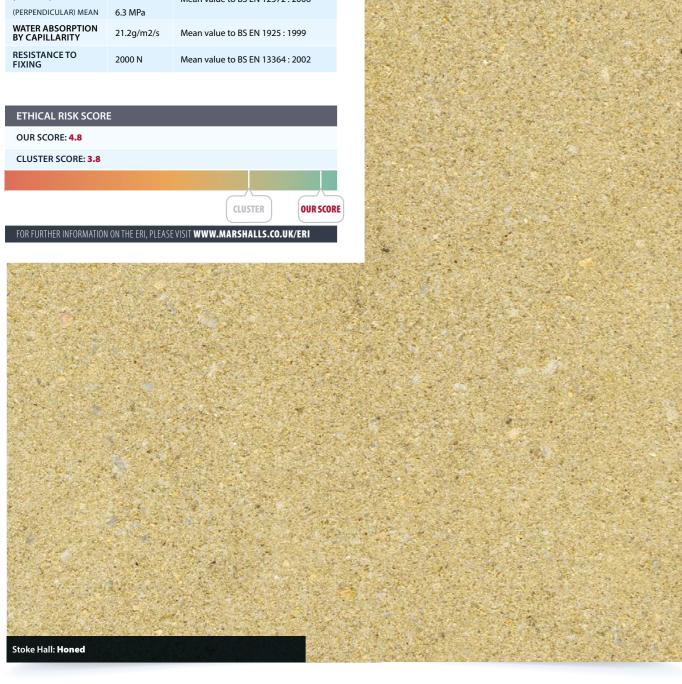
**STOKE HALL** SANDSTONE A fine to medium grained buff sandstone.

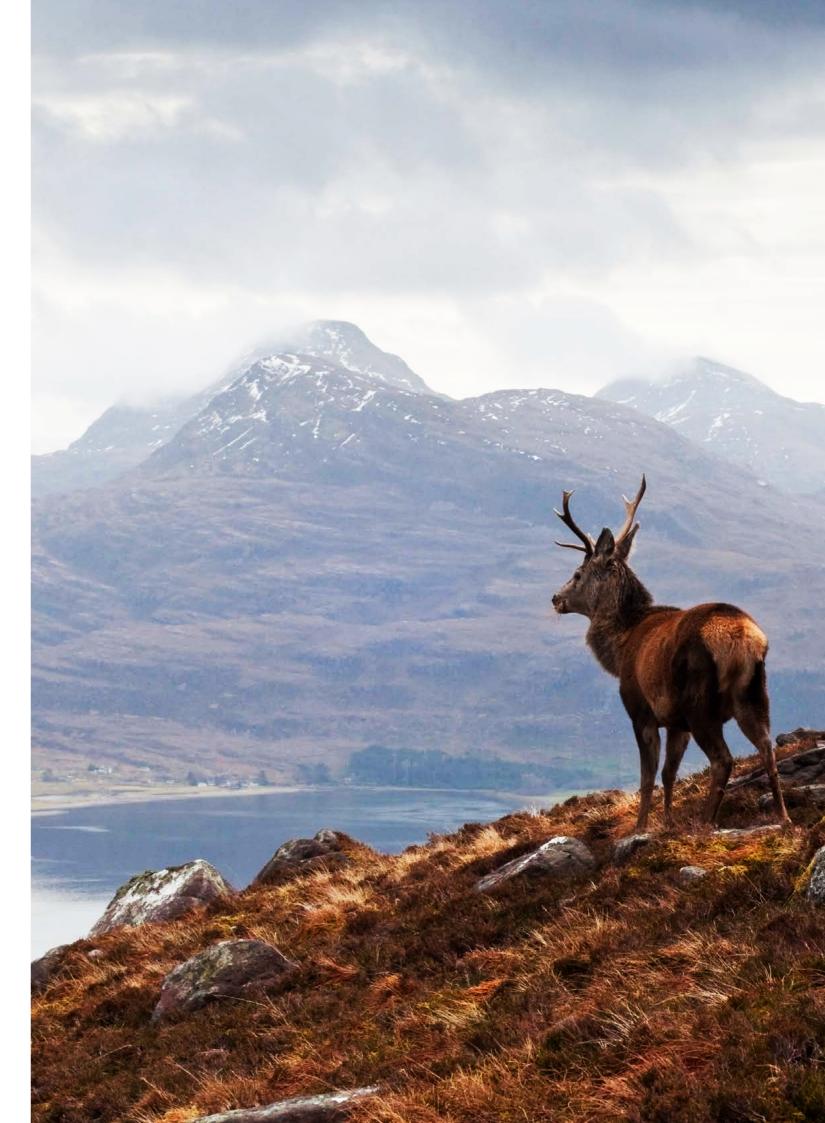
Quarried and produced in the UK to ISO9001 quality assurance standards.

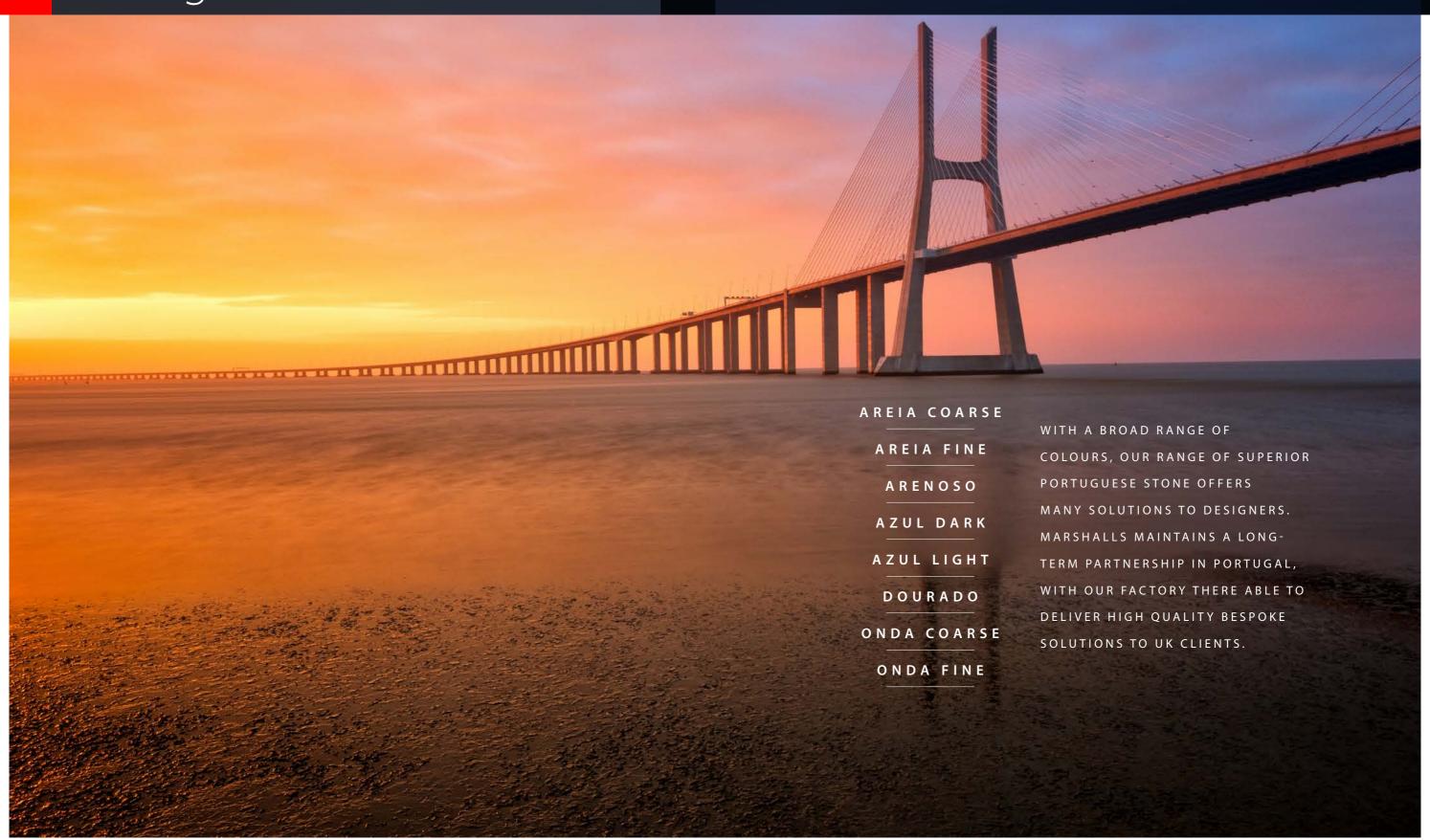
All Marshalls Sandstones are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2350 Kgm -3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	2.9%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH (PARALLEL) MEAN (PERPENDICULAR) MEAN	5.8 MPa 6.3 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	21.2g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	2000 N	Mean value to BS EN 13364 : 2002















#### **AREIA COARSE** LIMESTONE

A course cream limestone available in a honed finish.

Produced to ISO9001 quality assurance standards.

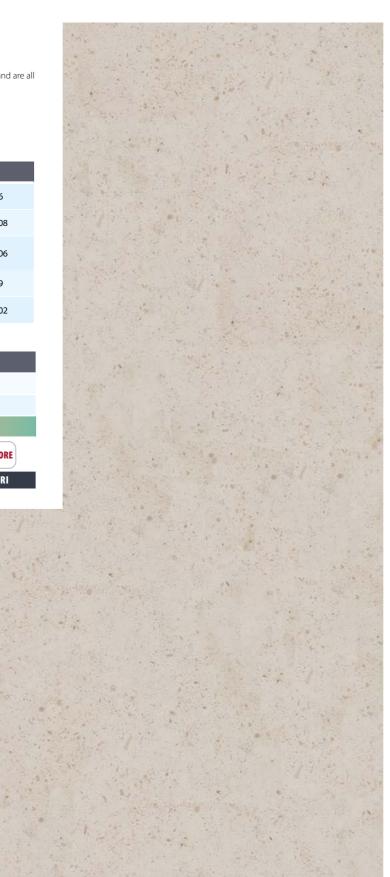
All Marshalls Limestones are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

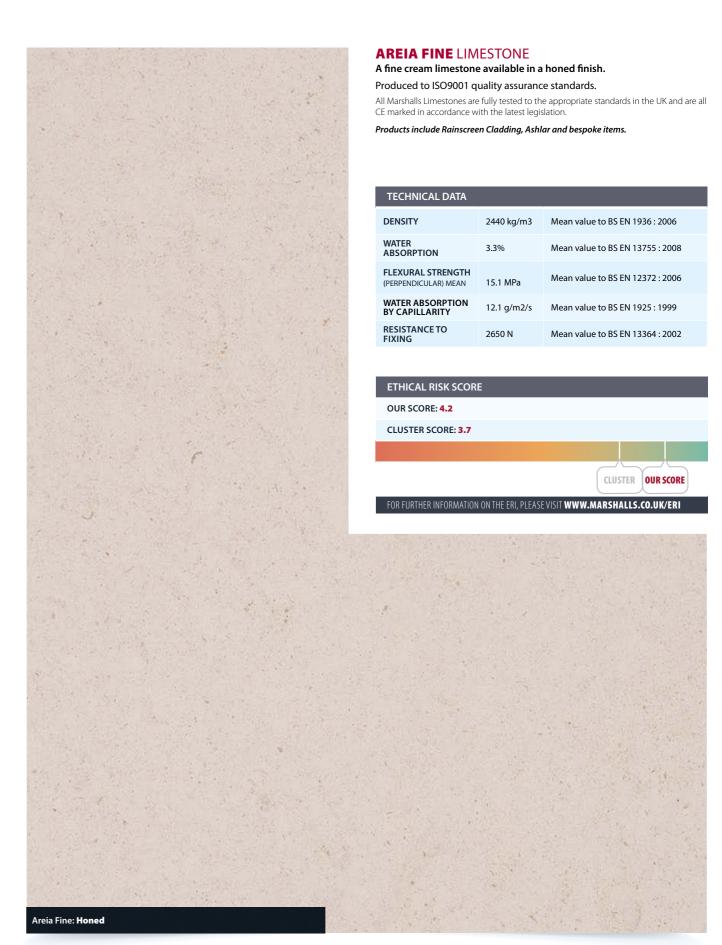
Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2440 kg/m3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	3.3%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH (PERPENDICULAR) MEAN	15.1 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	12.1 g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	2650 N	Mean value to BS EN 13364 : 2002



Areia Coarse: Honed













#### **ARENOSO** LIMESTONE

A cream limestone available in a honed finish.

Produced to ISO9001 quality assurance standards.

All Marshalls Limestones are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2610 kg/m3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	1.4%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH (PERPENDICULAR) MEAN	11.9 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	10g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	2670 N	Mean value to BS EN 13364 : 2002

ETHICAL RISK SCORE	
OUR SCORE: 4.2	
CLUSTER SCORE: 3.7	
	CLUSTER OUR SCORE
FOR FURTHER INFORMATION ON THE ERI, PLEASE VISIT <b>W</b>	/WW.MARSHALLS.CO.UK/ERI





A dark blue limestone available in a honed finish.

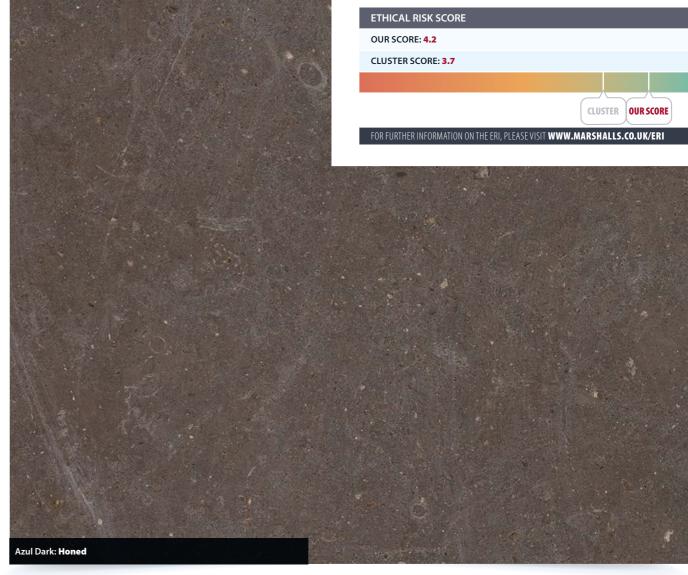
Produced to ISO9001 quality assurance standards.

All Marshalls Limestones are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2660 kg/m3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	0.5%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH (PERPENDICULAR) MEAN	16.9 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	1.5g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	7800 N	Mean value to BS EN 13364 : 2002





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#### **AZUL LIGHT** LIMESTONE

Azul Light: Honed

A light blue limestone available in a honed finish.

Produced to ISO9001 quality assurance standards.

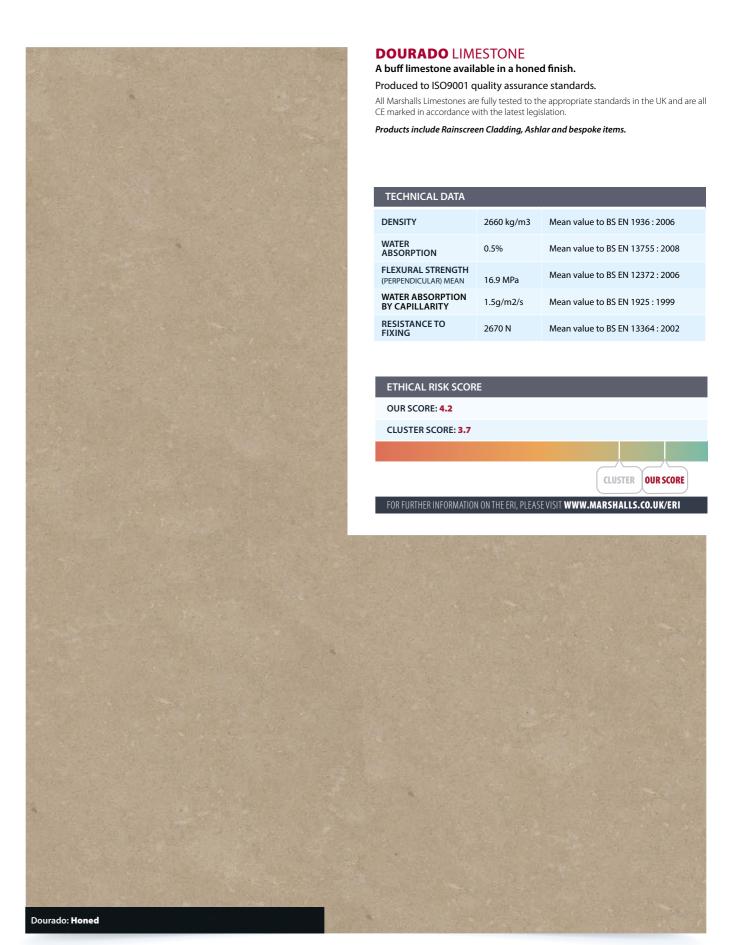
All Marshalls Limestones are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

 ${\it Products\ include\ Rainscreen\ Cladding,\ Ashlar\ and\ be spoke\ items.}$ 

TECHNICAL DATA		
DENSITY	2610 kg/m3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	3.3%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH (PERPENDICULAR) MEAN	15.1 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	12.1g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	2670 N	Mean value to BS EN 13364 : 2002







CADES | PORTUGUESE LIMESTONE COLLECTION FACADES | PORTUGUESE LIMESTONE COLLECTION









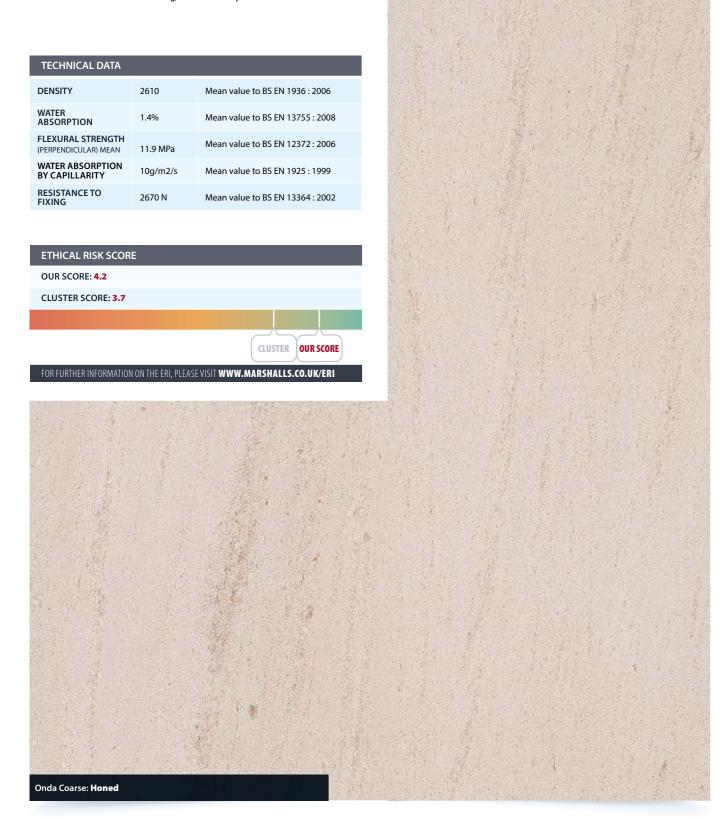
#### **ONDA COARSE** LIMESTONE

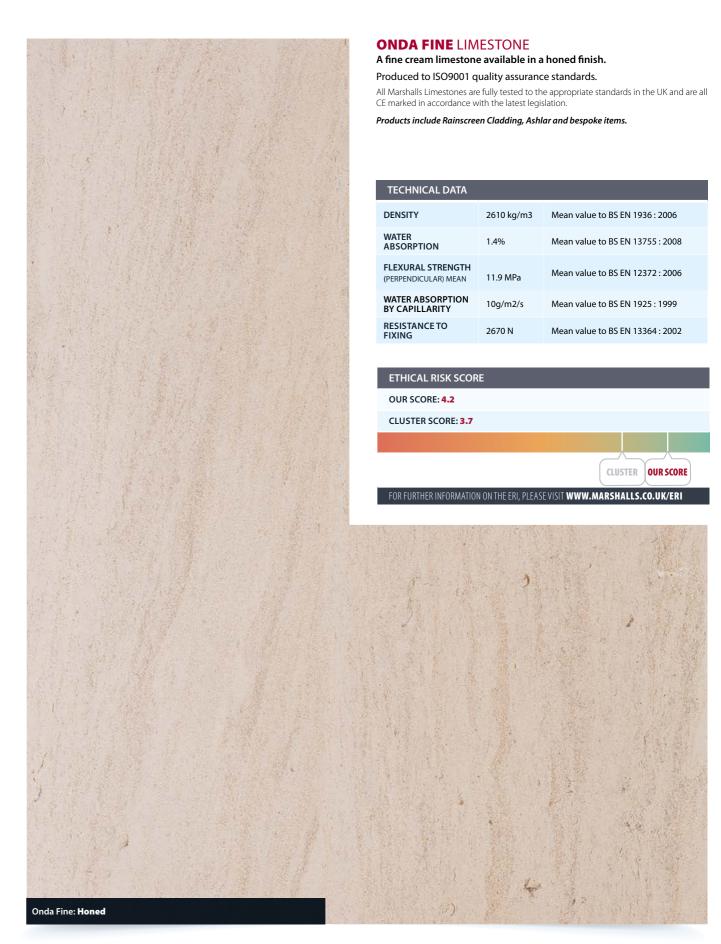
A course cream limestone available in a honed finish.

Produced to ISO9001 quality assurance standards.

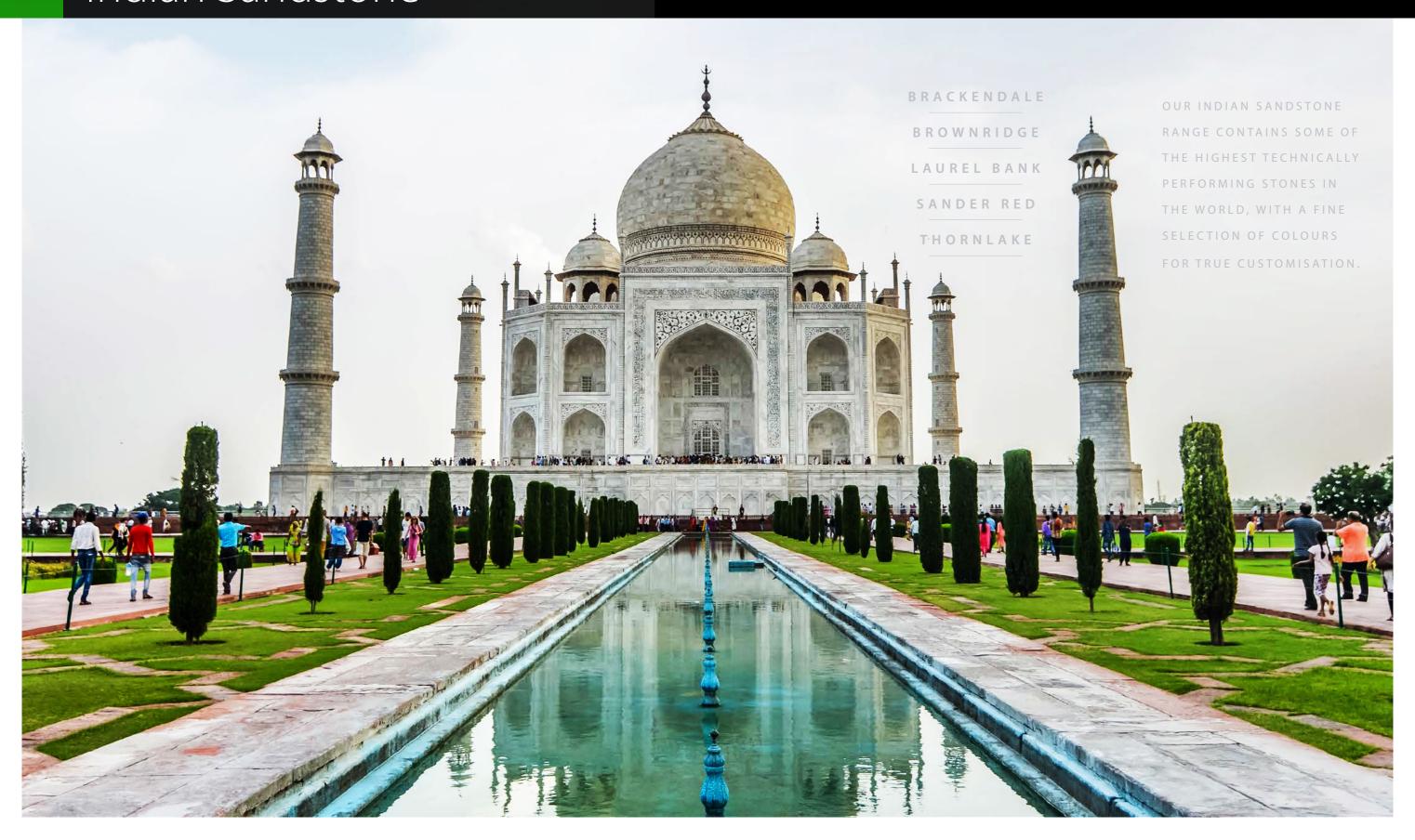
All Marshalls Limestones are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.





# Indian Sandstone



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FACADES | INDIAN SANDSTONE COLLECTION



## **BRACKENDALE**







#### **BRACKENDALE** SANDSTONE

A beige sandstone available in a honed finish.

Produced to ISO9001 quality assurance standards.

All Marshalls Sandstones are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

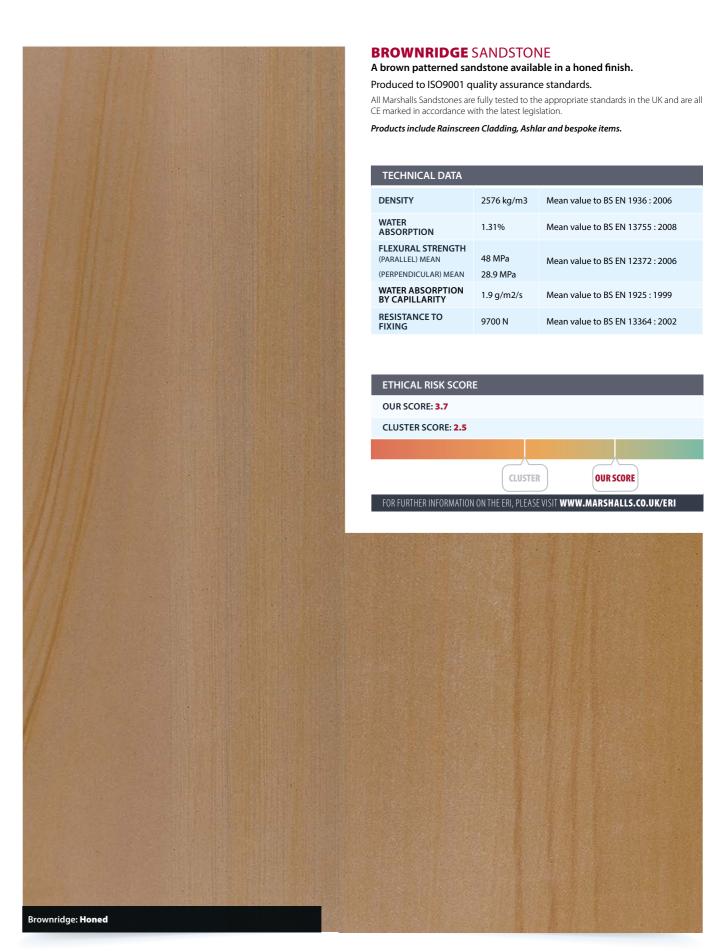
Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2520 kg/m3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	1.15%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH (PARALLEL) MEAN (PERPENDICULAR) MEAN	35 MPa 25.8 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	2.33 g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	9100 N	Mean value to BS EN 13364 : 2002



Brackendale: Honed







## **LAUREL BANK**







#### **LAUREL BANK SANDSTONE**

A light beige sandstone available in a honed finish.

Produced to ISO9001 quality assurance standards.

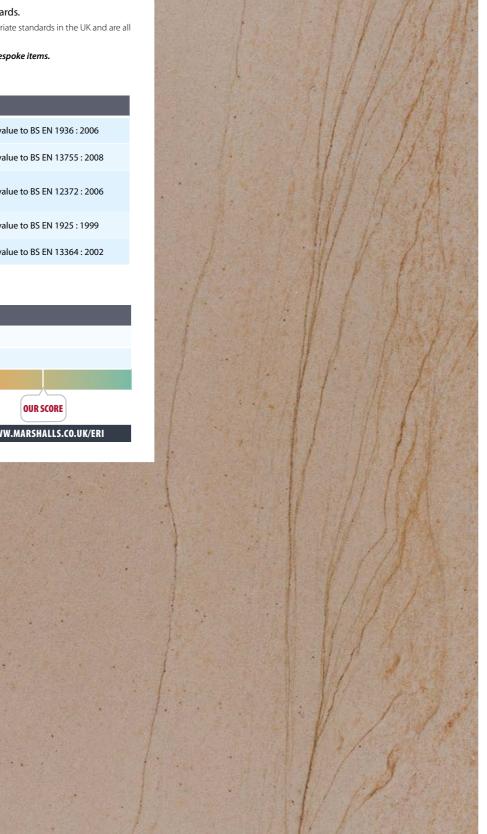
All Marshalls Sandstones are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2520 kg/m3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	1.31%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH (PARALLEL) MEAN (PERPENDICULAR) MEAN	34 MPa 26.1 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	3.5 g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	6400 N	Mean value to BS EN 13364 : 2002



Laurel Bank: Honed





Produced to ISO9001 quality assurance standards.

All Marshalls Sandstones are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

2552 kg/m3	Mean value to BS EN 1936: 2006
1.42%	Mean value to BS EN 13755 : 2008
35.7 MPa	Mean value to BS EN 12372 : 2006
26.2 MPa	
2.9 g/m2/s	Mean value to BS EN 1925 : 1999
7800 N	Mean value to BS EN 13364 : 2002
	1.42% 35.7 MPa 26.2 MPa 2.9 g/m2/s



FACADES | INDIAN SANDSTONE COLLECTION

Sander Red: Honed



## **THORNLAKE**



#### THORNLAKE SANDSTONE

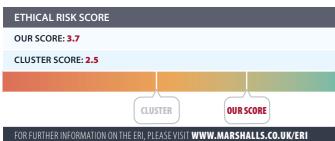
A grey sandstone available in a honed finish.

Produced to ISO9001 quality assurance standards.

All Marshalls Sandstones are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

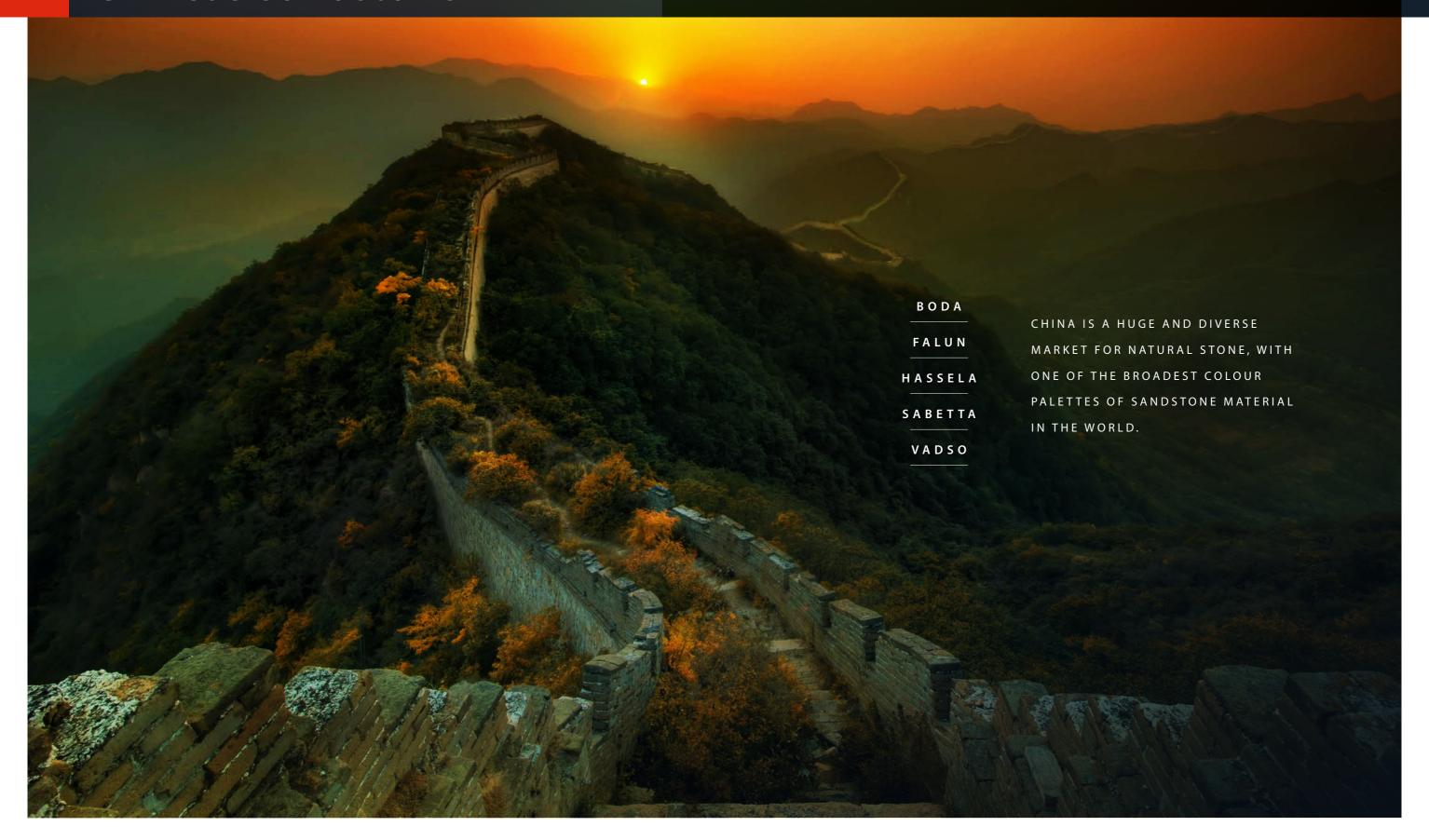
TECHNICAL DATA		
DENSITY	2653 kg/m3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	1.42%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH (PARALLEL) MEAN	39 MPa	Mean value to BS EN 12372 : 2006
(PERPENDICULAR) MEAN	26.8 MPa	
WATER ABSORPTION BY CAPILLARITY	2 g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	9100 N	Mean value to BS EN 13364 : 2002



Thornlake: **Honed** 

FOR FURTHER INFORMATION ON THE ERI, PLEASE VISIT WWW.MARSHALLS.CO.UK/ERI













#### **BODA** SANDSTONE

Boda: **Honed** 

A gentle white to grey sandstone available in a honed finish.

Produced to ISO9001 quality assurance standards.

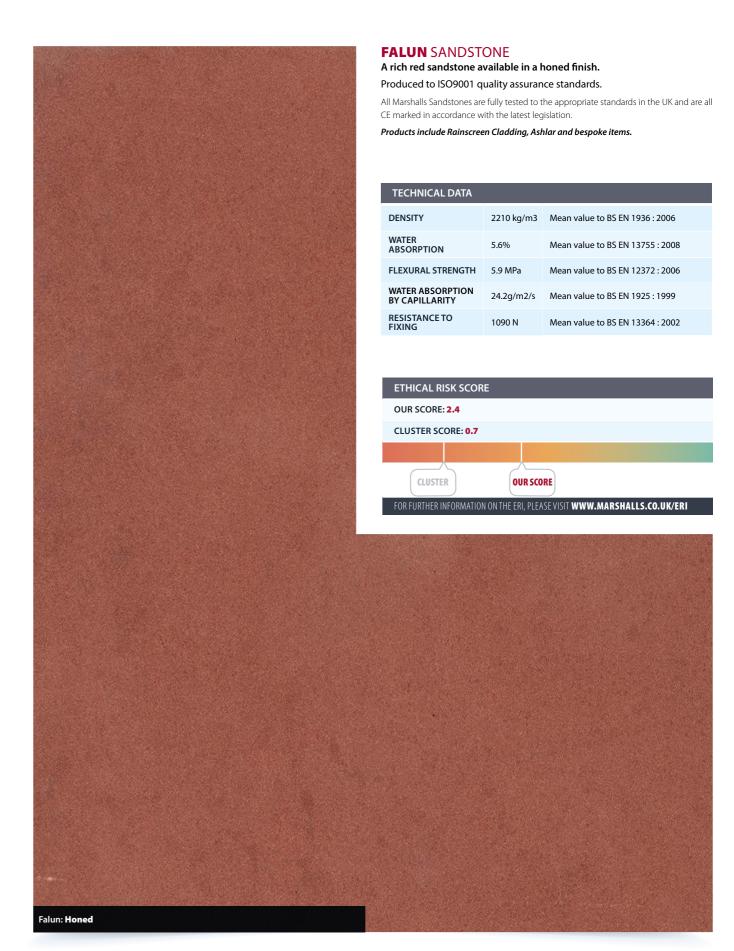
All Marshalls Sandstones are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2450 kg/m3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	2.6%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH	7.6 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	13.4g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	1600 N	Mean value to BS EN 13364: 2002







FACADES | CHINESE SANDSTONE COLLECTION FACADES | CHINESE SANDSTONE COLLECTION











#### **HASSELA** SANDSTONE

Hassela: Honed

A fine grained brown sandstone available in a honed finish.

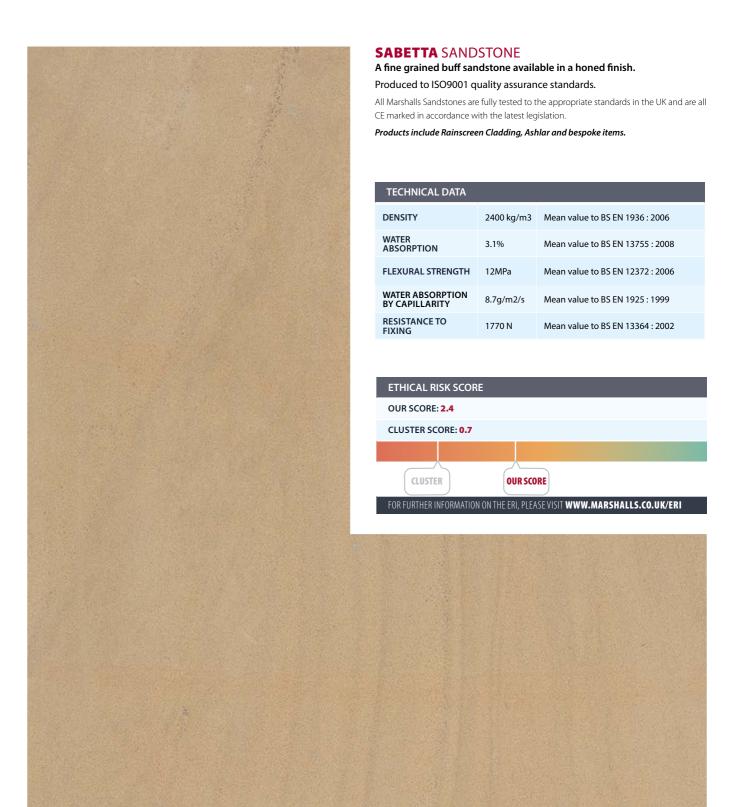
Produced to ISO9001 quality assurance standards.

All Marshalls Sandstones are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2360 kg/m3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	3.2%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH	10.5 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	10.3g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	2250 N	Mean value to BS EN 13364 : 2002





FACADES | CHINESE SANDSTONE COLLECTION FACADES | CHINESE SANDSTONE COLLECTION

Sabetta: Honed





## **VADSO**

**VADSO** SANDSTONE
A smooth grey sandstone available in a honed finish.

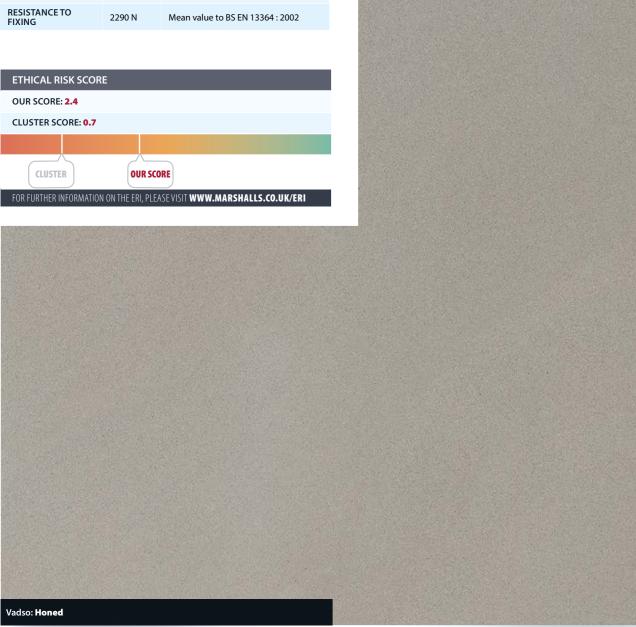
Produced to ISO9001 quality assurance standards.

All Marshalls Sandstones are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2380 kg/m3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	3.2%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH	11.4 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	9.3g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	2290 N	Mean value to BS EN 13364 : 2002







## Chinese Granite

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#### **CALLISTO GRANITE**

A silver grey granite available in a polished and flamed finish.

Produced to ISO9001 quality assurance standards.

All Marshalls Granites are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

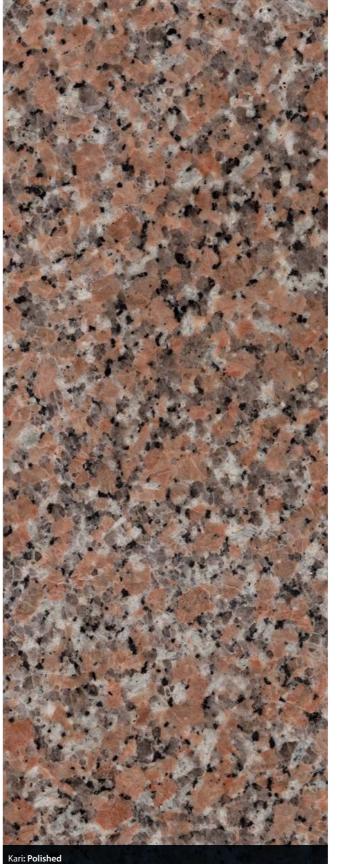
Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2630 kg/m3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	0.5%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH	14.3 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	2.1g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	6500 N	Mean value to BS EN 13364 : 2002

ETHICAL RISK SCOR	RE
OUR SCORE: 1.7	
CLUSTER SCORE: 1.1	
CLUSTER	OUR SCORE







#### **KARI** GRANITE

A red granite available in a polished and flamed finish.

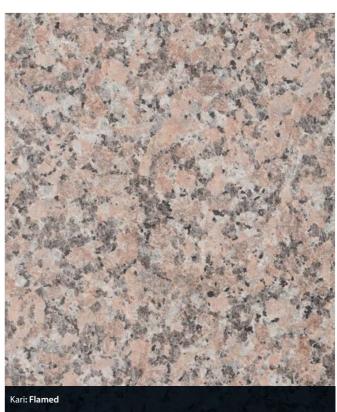
Produced to ISO9001 quality assurance standards.

All Marshalls Granites are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2624 kg/m3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	0.2%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH	14.3 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	1.8g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	5040 N	Mean value to BS EN 13364 : 2002





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## **LARISSA**







#### **LARISSA** GRANITE

A light beige granite available in a polished and flamed finish.

Produced to ISO9001 quality assurance standards.

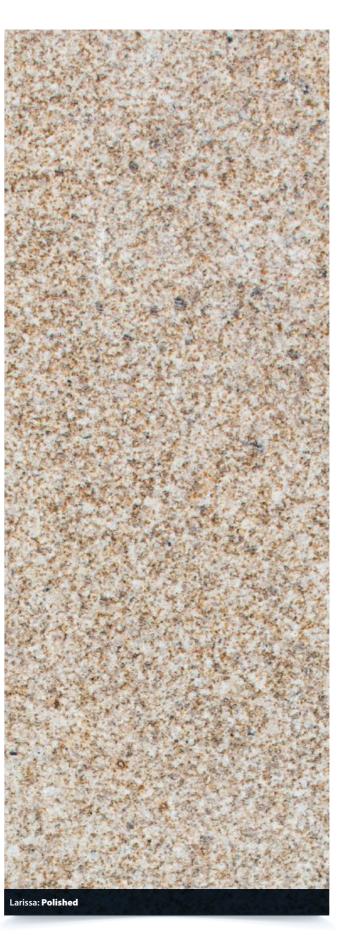
All Marshalls Granites are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2603 kg/m3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	0.4%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH	14.3 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	3.4g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	4400 N	Mean value to BS EN 13364 : 2002

ETHICAL RISK SCORE
OUR SCORE: 1.9
CLUSTER SCORE: 0.9
CLUSTER OUR SCORE







All Marshalls Granites are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA			
DENSITY	2798 kg/m3	Mean value to BS EN 1936 : 2006	
WATER ABSORPTION	2%	Mean value to BS EN 13755 : 2008	
FLEXURAL STRENGTH	27 MPa	Mean value to BS EN 12372 : 2006	
WATER ABSORPTION BY CAPILLARITY	1.5g/m2/s	Mean value to BS EN 1925 : 1999	
RESISTANCE TO FIXING	12700 N	Mean value to BS EN 13364 : 2002	





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#### **ROSALIND** GRANITE

A light pink granite available in a polished and honed finish.

Produced to ISO9001 quality assurance standards.

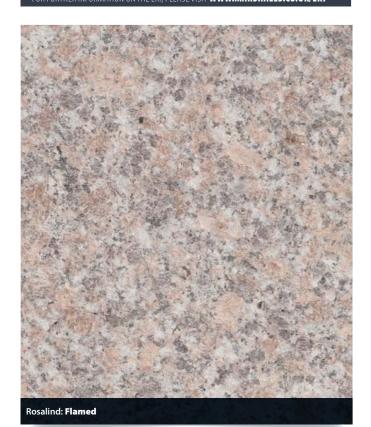
All Marshalls Granites are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

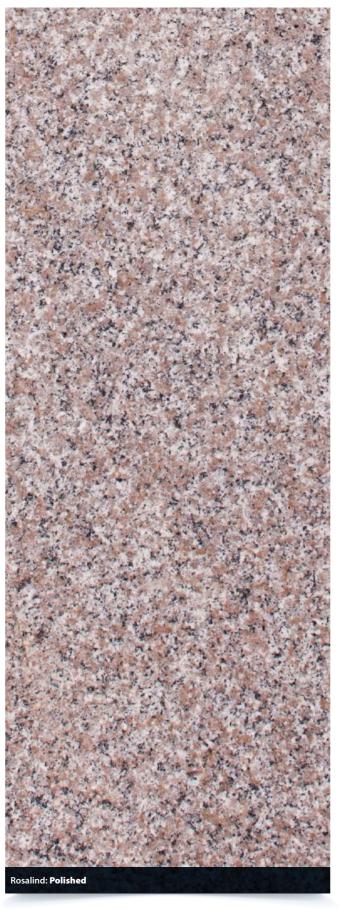
Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2593 kg/m3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	0.32%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH	15.57 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	2g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	6300 N	Mean value to BS EN 13364 : 2002



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#### **BELLEVILLE** GRANITE

A subtle violet stone available in a polished and flamed finish.

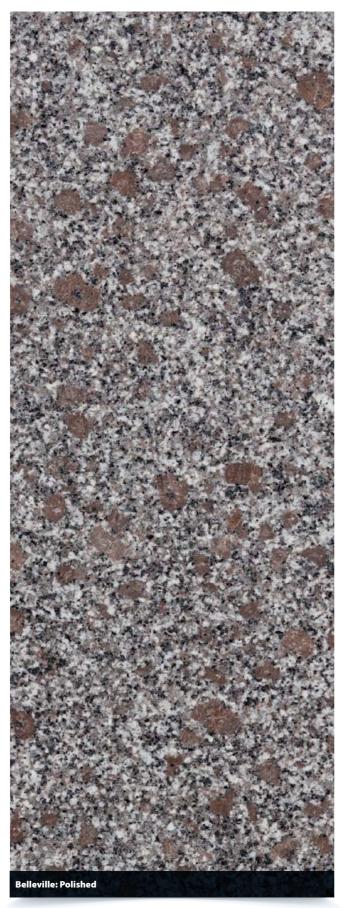
Produced to ISO9001 quality assurance standards.

All Marshalls Granites are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2660 kg/m3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	0.2%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH	13.5 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	1.3g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	6800 N	Mean value to BS EN 13364 : 2002







#### **FITZROY** GRANITE

ETHICAL RISK SCORE

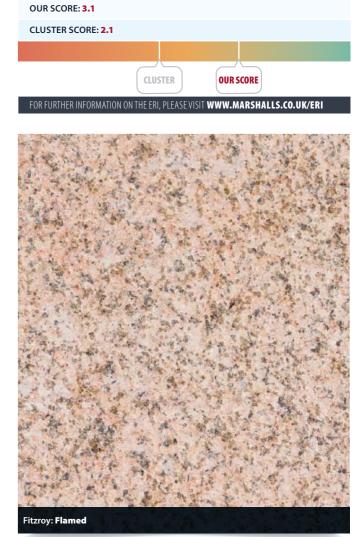
A buff granite available in a polished and flamed finish.

Produced to ISO9001 quality assurance standards.

All Marshalls Granites are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA			
2582 kg/m3	Mean value to BS EN 1936 : 2006		
0.9%	Mean value to BS EN 13755 : 2008		
6 MPa	Mean value to BS EN 12372 : 2006		
2g/m2/s	Mean value to BS EN 1925 : 1999		
7400 N	Mean value to BS EN 13364 : 2002		
	0.9% 6 MPa 2g/m2/s		



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#### **KREUZBERG** GRANITE

A black granite available in a polished and flamed finish.

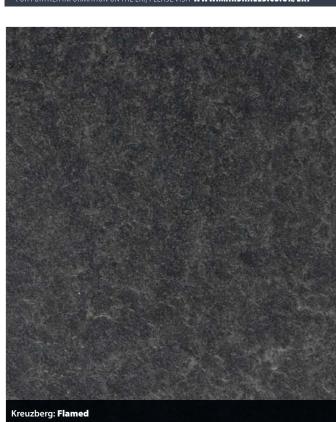
Produced to ISO9001 quality assurance standards.

All Marshalls Granites are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2820 kg/m3	Mean value to BS EN 1936: 2006
WATER		
ABSORPTION	0.7%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH	20 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION	12-1-26	M
BY CAPILLARITY	1.3g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO		
FIXING	11700 N	Mean value to BS EN 13364: 2002









Produced to ISO9001 quality assurance standards

All Marshalls Granites are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2610 kg/m3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	0.2%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH	20 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	0.6g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	8100 N	Mean value to BS EN 13364 : 2002





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#### **SÖDERMALM** GRANITE

A silver grey granite available in a polished and flamed finish.

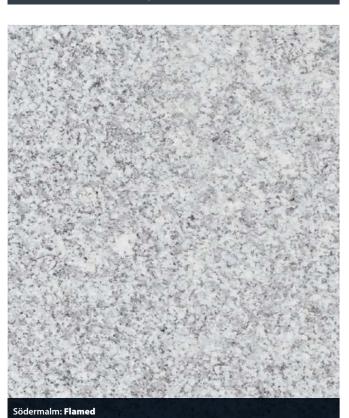
Produced to ISO9001 quality assurance standards.

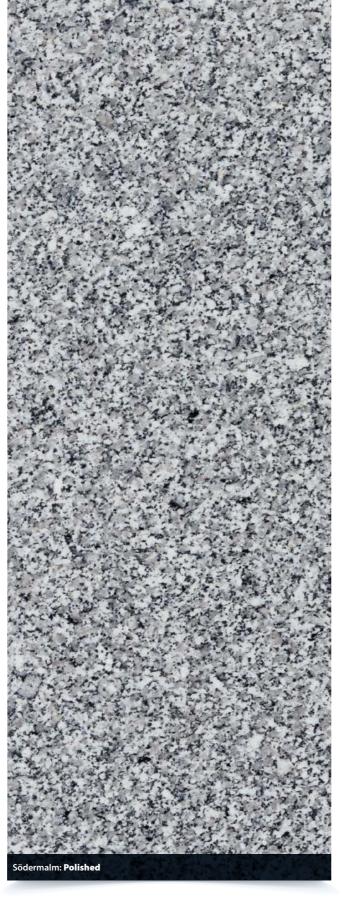
All Marshalls Granites are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA		
DENSITY	2830 kg/m3	Mean value to BS EN 1936 : 2006
WATER ABSORPTION	0.2%	Mean value to BS EN 13755 : 2008
FLEXURAL STRENGTH	24 MPa	Mean value to BS EN 12372 : 2006
WATER ABSORPTION BY CAPILLARITY	1.5g/m2/s	Mean value to BS EN 1925 : 1999
RESISTANCE TO FIXING	8800 N	Mean value to BS EN 13364 : 2002









#### **YALETOWN** GRANITE

A mid grey granite available in a polished and flamed finish.

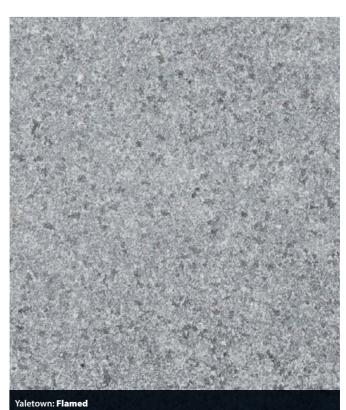
Produced to ISO9001 quality assurance standards.

All Marshalls Granites are fully tested to the appropriate standards in the UK and are all CE marked in accordance with the latest legislation.

Products include Rainscreen Cladding, Ashlar and bespoke items.

TECHNICAL DATA			
DENSITY	2830 kg/m3	Mean value to BS EN 1936 : 2006	
WATER ABSORPTION	0.2%	Mean value to BS EN 13755 : 2008	
FLEXURAL STRENGTH	21 MPa	Mean value to BS EN 12372 : 2006	
WATER ABSORPTION BY CAPILLARITY	0.2g/m2/s	Mean value to BS EN 1925 : 1999	
RESISTANCE TO FIXING	1100 N	Mean value to BS EN 13364 : 2002	





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