

Forticrete[®]stone

an IBSTOCK plc company



Anstone[®] and Shearstone[®] Walling

Recreate the appeal of natural
stone walling with confidence



Shearstone® Cotswold Village Cottage at Allison Homes, Cambs.

Forticrete Anstone® and Shearstone® walling stone. The cost effective alternative to natural stone.

Forticrete Walling Stone has a history that cannot be matched, having provided a cost-effective alternative to natural stone since the 1920's.

Both Anstone® and Shearstone® products are available in Standard colour ranges and the enhanced Premier range, which provides yet further colour options combined with an appearance and weathering qualities that are almost indistinguishable from natural stone. All of the products are through-coloured, and may be dressed on site to suit individual requirements, while retaining the original colour and texture. In addition to the Standard colour ranges, Forticrete also has the facility to manufacture non-standard colours to meet specific needs.

Cover Photograph

Shearstone® Premier Pentstone Split at Persimmon Homes, Hanbury, Gwent.

Texture

The Forticrete Anstone® and Shearstone® ranges offer a choice of the three most popular types of natural stone finish.

Split

The most cost-effective type of finish, for housing and landscaping, popular throughout Britain. Available in Anstone® & Shearstone®.

Pitched

A rugged effect, in which each block has a raised centre, is typical of quarry dressed stone. Available in Anstone®.

Cottage

A rough irregular shape which replicates stone traditionally walled in its quarried state, more prevalent in the South West of England and in Wales. Available in Shearstone®.

When these options are combined with carefully selected colour ranges, Anstone® and Shearstone® give you the ability to match the regional vernaculars throughout the UK.



Split



Pitched



Cottage

Composition and manufacture

Anstone® and Shearstone® products are manufactured from a carefully controlled mixture of graded limestone and other natural aggregates, cement and pigments, in accordance with European BS EN 771-5 product standards for manufactured stone masonry units. They meet the statutory requirements of the relevant section of The Building Regulation 2010 with amendments and The Building (Scotland) Regulations 2004 with amendments.

All Forticrete Stone manufacturing facilities are BSI registered and operate to the requirements of BS EN ISO 9001:2008 and BS EN ISO 14001:2004 – the national and international standards for quality and environmental management systems.

Thermal Conductivity: 1.0 W/mK ($\lambda_{10, dry, unit, S1}$)

Based on table value from BS EN 1745:2012 p=50%

Gross Dry Density: 2000 Kg/m³

'Compressive Strength: Mean 20N/mm² (Normalised)
Perpendicular to bed face

Coverage: Dependent on the combination of units chosen

Fire Resistance: Euroclass A1

Dimensional Stability: 0.41mm/m Tested to BS EN 772-14:2002

Water Absorption: <9g/m².s Tested to BS EN 772-11:2011



Anstone® Standard Buff Split at McKernan Homes, Chryston.



Anstone® Brown Old Weathered Split, at the High Lane Health Centre, Stockport.

Anstone®

Anstone® walling products have been developed to match and blend in with the natural stone types found in Northern Britain. Specific examples of this are Olde Heather Black which is an excellent match for weathered Pennine Sandstone and Regency Buff and Olde Heather Gold which correspond to the Yorkshire Sandstones. In Scotland we find that Buff, Black Old Weathered, Brown Old Weathered and of course Borders Red are all popular and complement the natural stone types of the country. All products can be supplied Split or Pitched depending on the requirements of the client.



Anstone®



Anstone® Regency Buff Pitched at Persimmon Homes, Scissett, Huddersfield, West Yorkshire.

Anstone® Premier Range

Available in Split or Pitched finishes



Borders Red (S)



Olde Heather Black (S)



Olde Heather Gold (S)



Regency Buff (S)



Olde Steel Grey (S)



Anstone® Black Old Weathered Pitched at Bovis Homes, Linley, West Yorkshire.

Anstone® Standard Range

Available in Split and Pitched finishes



Black Old Weathered (S)



Brown Old Weathered (S)



Buff (S)

Product range and typical dry weights

COURSE HEIGHT	65mm			215mm		
	100	225	3.0 kg	100	300	13.0 kg
COURSE HEIGHT 140mm	100	225	6.3 kg	100	300	13.0 kg
	100	300	8.4 kg	100	450	19.0 kg
	100	450	12.6 kg	100	450	19.0 kg

Shearstone®

The broad Shearstone® range of colours and finishes recaptures the tradition of many of Britain's most appealing types of natural stone. The Light Ham of Somerset and the Buff of the Cotswolds are just two examples of stone types admirably mirrored in the Shearstone® range. Pentstone was created to match the local Grey Multi stone of Bristol and South Wales.



Shearstone®



Shearstone® Cotswold Village, Redcliffe Homes, Ashbury, Oxon.

Product range and typical dry weights

COURSE HEIGHT 65mm		COURSE HEIGHT 102.5mm		COURSE HEIGHT 140mm	
100	220	100	220	100	220
65	2.7 kg	102.5	4.6 kg	140	6.5 kg
100	330	100	330	100	330
65	4.3 kg	102.5	6.7 kg	140	9.5 kg
COURSE HEIGHT 215mm					
100	330			100	440
215	15.3 kg			140	11.9 kg

Shearstone® Premier Range

Available in Split and Cottage finishes



Ironstone (C)



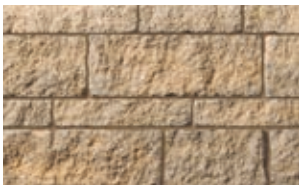
Milbourne Olde Heather (C)



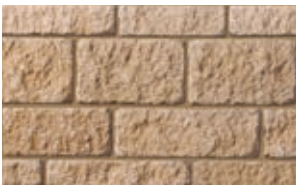
Pentstone (S)

Shearstone® Standard Range

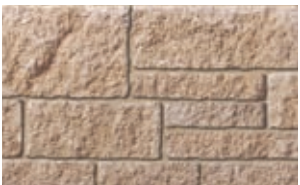
Available in Split and Cottage finishes



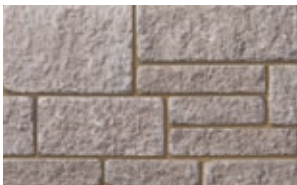
Blackmoor Olde Heather (C)



Cotswold Village (C)



Light Ham (C)



Mid Grey (C)

HELPFUL HINT: The strength of the mortar should always be weaker than that of the stonework. Your mortar supplier should be able to provide suitable advice.

Control Joints

Consideration should be given to the creation of suitable movement control joints, full recommendations for which are given in the Forticrete Masonry Design Guide. Generally, control joints for walling stone should be spaced at a maximum of 6m centres.

* These products form the basis of the Shearstone Random mix. They are supplied in the following approximate ratios: 30%/65mm course height, 60%/140mm course height and 10%/215mm course height.

NB: All components are textured on at least one end.

The reproduction of colour is as close as possible within the photographic and printing processes. Where precise colour tolerances are vital, you are advised to view actual product samples.

Specials

Forticrete’s range of detailing products, including cappings and quoins have been developed to meet our clients’ specific needs. Bespoke detailing can be manufactured.



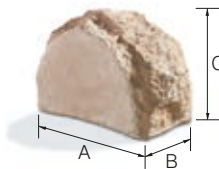
Bonding patterns



Shearstone® Cotswold Village
Persimmon, Enstone, Oxon.

Half round cappings face options: Split; Pitched; Cottage

Code	A	B	C	Approx weight
HR-A	225mm	65mm	140mm	3.7kg
HR-B	225mm	140mm	140mm	8.1kg



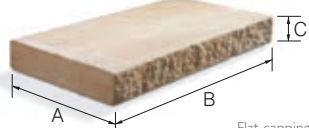
Saddleback cappings face options: Split; Pitched; Cottage

Code	A	B	C	Approx weight
SBC225-A	225mm	65mm	150mm	3.1kg
SBC225-B	225mm	140mm	150mm	6.7kg



Flat cappings face options: Split

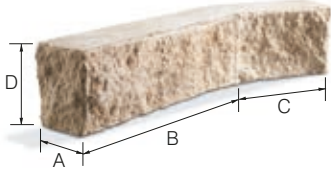
Code	A	B	C	Approx weight
AC-A	150mm	600mm	65mm	12.9kg
AC-B	300mm	600mm	65mm	25.5kg



Flat cappings are only available from Anstone.

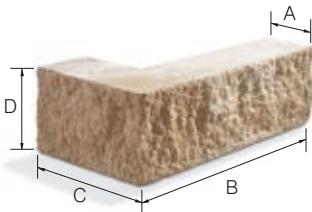
135° internal quoins face options: Split; Pitched

Code	A	B	C	D	Approx weight
IQ135-A	100mm	440mm	215mm	65mm	9.8kg
IQ135-B	100mm	440mm	215mm	140mm	21.1kg



90° external quoins face options: Split; Pitched

Code	A	B	C	D	Approx weight
EQ90-A	100mm	440mm	215mm	65mm	7.8kg
EQ90-B	100mm	440mm	215mm	140mm	16.8kg
EQ90-C	100mm	440mm	215mm	215mm	25.9kg



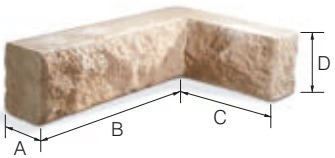
135° external quoins face options: Split; Pitched

Code	A	B	C	D	Approx weight
EQ135-A	100mm	440mm	215mm	65mm	8.7kg
EQ135-B	100mm	440mm	215mm	140mm	18.8kg
EQ135-C	100mm	440mm	215mm	215mm	28.8kg



90° internal quoins face options: Split; Pitched

Code	A	B	C	D	Approx weight
IQ90-A	100mm	440mm	215mm	65mm	10.7kg
IQ90-B	100mm	440mm	215mm	140mm	23.1kg



Cock and Hen Capping

Code	A	B	C*	Approx weight
Cock	100mm	225mm	200mm	7kg
Hen	100mm	225mm	150mm	5kg



* A feature of these blocks is a variation in the height dimension and as such falls outside the tolerances stipulated in BS EN ISO 9001:2008. It is understood that the customer accepts these variations in placing an order.

Combining different sizes of Walling Stone units will create patterns that lend a natural appeal to your building. To achieve these patterns some stones may need to be cut on site.

These are some of the most popular:



Random Lengths (P)



Random Coursed (C)



Random Mix (P)



Scottish Mix (S)

NB: Walling stone may need to be cut to achieve some bond patterns.

Pack information

Anstone®

Size (mm)	Number per pack	Number per m²	Number per m² per pack	Approx weight per pack (tonnes)
225x65	344	57	6.06	1.1
300x65	258	43	6.00	1.1
450x65	172	29	5.93	1.1
225x140	152	28	5.36	1
300x140	112	22	5.21	1
450x140	76	14	5.24	1
300x215	88	14	6.14	1.2
450x215	60	10	6.21	1.2

Shearstone®

Size (mm)	Number per pack	Number per m²	Number per m² per pack	Approx weight per pack (tonnes)
220x65	374	58	6.45	1.0
330x65	279	39	7.11	1.2
220x102	242	38	6.26	1.1
330x102	180	26	6.89	1.2
220x140	170	29	5.87	1.1
330x140	126	19	6.43	1.2
440x140	84	14	5.67	1.0
330x215	72	13	5.51	1.1

Typical load size: 135m²



Forticrete^{stone}



Cast stone dressings

Time honoured craftsmanship and advanced technology working together in perfect harmony.

Cast Stone Dressings are available ex-stock as Stone-in-Stock, or cast from standard moulds in six classic colours. Purpose made dressings can also be made to precise specifications.

For sales enquiries please contact our Anstone office on **01909 775000**
Email us at caststone@forticrete.com
or visit www.forticrete.co.uk



Cast Stone

Forticrete^{roofing}



Roofing products

Replicating natural materials cost-effectively with innovative roof tiles and slates.

With many environmental and practical benefits, Gemini, Hardrow Stone Slates, Minislate, and the low pitch Centurion 10 tile offer a roofing solution for everyone. A full range of complementary dry fix and ventilation systems are available.

For sales enquiries please contact our Leighton Buzzard office on **01525 244900**
Email us at roofing@forticrete.com
or visit www.forticrete.co.uk



Roofing

Forticrete^{masonry}



Linear

Elegant, colourful and wonderfully long concrete bricks.

A multitude of colours together with textures ranging from simple textured to highly polished - the Linear range has been created to give architects the flexibility to create distinctive exteriors.

For sales enquiries please contact our Anstone office on **01909 775000**
Email us at masonry@forticrete.com
or visit www.forticrete.co.uk



Linear



Product samples

The colours reproduced within this brochure are as accurate as the photographic and printing processes will allow. Where colour matching is critical, you are advised to view actual product samples.

These are readily available via our Anstone office by calling **01909 775000**

For larger projects, sample panels can be provided.

Anstone® and Shearstone® Walling enquiries:

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S26 6NP

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Email: walling@forticrete.com

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