



AGGREGATE
INDUSTRIES

2016

BRADSTONE
Reconstituted walling portfolio

THE BRADSTONE RANGE OF WALLING. AN OVERVIEW.

The Bradstone range of walling combines the look and feel of traditional natural stone with the high performance, long life and low maintenance qualities of modern materials.

Suitable for both new build, refurbishment or renovation projects, each range is carefully designed to make detailing and construction as simple and straightforward as possible. With a range of sizes and proven building systems, Bradstone walling saves time and money on site. The Bradstone reconstituted walling range is widely accepted by planners for use in sensitive areas. The moulds which are taken from natural stone recreate the subtle textures and characteristics of the virgin material and the wide range of authentic shades match the traditional originals which are now often unobtainable.

So if you want your building exterior to have the good looks and lasting performance of natural stone, without the difficulties and premium cost, then the Bradstone range of walling and complementary products are the best choice.

The Responsible Source™

Importantly, sustainability has been placed at the heart of our business. We are a Gold Leaf founding member of the UK Green Building Council and all our products produced in the UK are certified under the BES6001 Framework for the Responsible Sourcing of Construction Products achieving a 'VERY GOOD' standard.

We also offer a full technical support and advice service to help our clients from project concept through to completion. Contact us for more information on how Bradstone walling can add value to your project.



OHS 61759



FM 96927



EMS 96928

WHY USE THE BRADSTONE RANGE OF WALLING SOLUTIONS?

Our walling products are universally acknowledged as being the closest thing to natural stone.

Bradstone are pioneers of the reconstituted stone process with many years of manufacturing experience using locally sourced aggregates. This provides our customers with the most authentic product possible.

All of our products are sustainable and are certified under the BES6001 Framework for the Responsible Sourcing of Construction Products as 'VERY GOOD'.

Vast logistics and stock holding capability ensures that our products are available and ready for call off for those time critical projects.

Full design and technical assistance available.

Full technical information including coursing options is available in our technical guide, which is available to download from www.aggregate.com/walling



BRADSTONE WALLING

06-07 **ROUGH DRESSED**

08-09 **TRADITIONAL**

10-11 **TOOLED**

12-13 **MASONRY BLOCK**

14-15 **SQUARE DRESSED**

16-17 **SQUARE COURSED RUBBLE**

18-19 **STONE SLIPS**

A GUIDE TO SYMBOLS

We have placed the following symbols on each product page to help you quickly identify the key features of our products.



BREEAM
All Bradstone walling products are rated as 'VERY GOOD' under the BES6001 Framework for the Responsible Sourcing of Construction Products



NBS
Indicates that the National Building Specification details can be supplied for this product.

ROUGH DRESSED WALLING



As its name suggests, Rough Dressed walling is strongly reminiscent of roughly dressed quarried stone. A wide choice of block sizes and shades allows for regional variations in coursing styles and indigenous stone characteristics.

Rationalised sizes are compatible with conventional cavity wall construction and every walling block has a profiled end.

Accepted in appropriate conservation areas.

Unique walling block design allows for consistent mortar joint, but when fully pointed the finished wall appears to have a more varied joint width.

Selected shades also available in a mixed size walling project pack.



BUFF



KEINTON



LIMESTONE BUFF



IRON HAM



BRECON



SOUTHWOLD



SILVER GREY



WALLING BLOCK



JUMPER BLOCK



DRESSED END



SPLAYED QUOINS
(INTERNAL AND EXTERNAL)



SOLDIER COURSE/
COPING UNIT



TWICE
WEATHERED COPING

ROUGH DRESSED

PRODUCT DATA

Course height (mm)	75 Walling block	100 Walling block	125 Walling block	150 Walling block	225 Jumper block	225 Jumper block	225 Dressed end	225 Dressed end	225 Soldier course coping unit	Twice weathered coping
Lengths (mm)	200, 225, 250 275, 300, 325	200, 225, 250 275, 300, 325	200, 225, 250 275, 300, 325	200, 225, 250 275, 300, 325	250	337	225	337	450	445L x 150W, 495L x 300W
Walling area m² per pack	7.09	6.62	7.09	5.67	6.08	6.14	n/a	n/a	n/a	n/a
Run/rise (m)	n/a	n/a	n/a	n/a	n/a	n/a	29.7	20.25	29.7	27, 15
No per pallet	360	252	216	144	108	81	135	90	66	60, 30
Pack weight (T)	1.42	1.33	1.42	1.13	1.22	1.22	1.31	1.36	1.36	-



TRADITIONAL
WALLING

Traditional walling has a squared and lightly dressed finish and is specified as an alternative to natural stone masonry. Traditional walling can be laid to course, or random brought to course using jumper blocks.

Each block features a profiled end.

Distinctive alternative to brick.

Rationalised sizes are compatible with conventional cavity wall construction.

Choice of block sizes for different coursing options.

Selected shades also available in a mixed size walling project pack.



BUFF



IRON HAM



KEINTON



WEATHERED COTSWOLD



LIMESTONE BUFF



WALLING BLOCK



JUMPER BLOCK



DRESSED END



SOLDIER COURSE/
COPING UNIT



TWICE
WEATHERED COPING

TRADITIONAL
PRODUCT DATA

Course height (mm)	75 Walling block	100 Walling block	125 Walling block	150 Walling block	225 Jumper block	225 Jumper block	225 Dressed end	225 Dressed end	225 Soldier course coping unit	Twice weathered coping
Lengths (mm)	200, 225, 250 275, 300, 325	200, 225, 250 275, 300, 325	200, 225, 250 275, 300, 325	200, 225, 250 275, 300, 325	250	337	225	337	450	445L x 150W, 495L x 300W
Walling area m²/per pack	7.87	7.35	7.87	6.30	6.75	6.82	n/a	n/a	n/a	n/a
Run/rise (m)	n/a	n/a	n/a	n/a	n/a	n/a	29.7	20.25	29.7	27, 15
No per pallet	400	280	240	160	120	90	90	90	66	60, 30
Pack weight (T)	1.34	1.25	1.34	1.07	1.15	1.16	1.00	1.40	1.36	-



TOOLED WALLING

Tooled walling is the original Bradstone walling finish. It was developed to reproduce the look of chiselled stone featuring vertical tool marks. Toolled walling gives the appearance of high quality dressed Ashlar, lending itself to Georgian style architecture or contemporary designs. Toolled walling can also be striking as a string or plinth course with other claddings.

Reminiscent of sawn Bath stone perfect for matching across South West England.

Often used in contemporary new builds across the UK.

Produced in moulds originated from natural stone masters for a high quality aesthetic detail.



BUFF



NORTH CERNEY



WALLING BLOCK



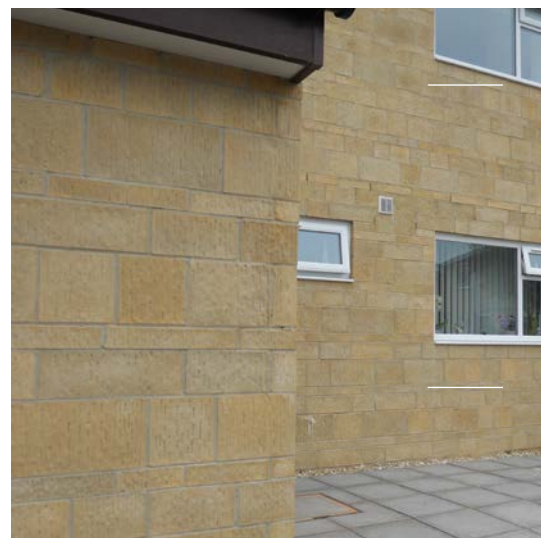
TWICE WEATHERED

TOOLED PRODUCT DATA

Course height (mm)	76 Walling block	153 Walling block	229 Walling block	Twice weathered coping
Lengths (mm)	229, 305, 458	229, 305, 458	229, 305, 458	445L x 150W 495L x 300W
Walling area m²	4.53	4.53	4.71	n/a
No per pallet	180 (60 of each)	90 (30 of each)	70 (30, 30, 10)	60, 30
Pack weight (T)	0.95	0.95	1.00	-

Walling blocks supplied in single height/random length packs.
All dimensions are co-ordinated sizes to include allowance for a 10mm joint.
All blocks are 100mm on bed.





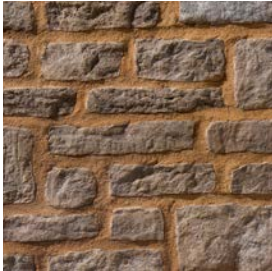
MASONRY BLOCK WALLING

Masonry Block walling has been developed as a simple, economic and ingenious method of reproducing the appearance of traditional random rubble walling found in natural stone areas. With this walling, the coursing is not apparent with Masonry blocks cast in a unique 'T' shape with false joints, so that they appear to be made of individual stones. A single size infill block completes the system.

Accepted in appropriate conservation areas and areas of outstanding natural beauty.

Mortar joints and filled false joints create an effective random coursing pattern.

Rationalised detailing and construction using only an interlocking 'multi-stone' block and infill block.



BRECON



IRON HAM



NORTH CERNEY



BUFF



SOUTHWOLD



LIMESTONE BUFF
(MADE TO ORDER)



KEINTON



SILVER GREY



WALLING BLOCK



MASONRY END



INFILL BLOCK



MASONRY DPC BLOCK



DRESSED END



TWICE WEATHERED
COPING

MASONRY BLOCK

PRODUCT DATA

Course height (mm)	225 Walling block	150 DPC block	225 Masonry end	225 Masonry end	225 Dressed end	225 Dressed end	225 Soldier course coping unit	Twice weathered coping
Lengths (mm)	450	450	225	337	225	337	450	445L x 150W 495L x 300W
Walling area m ²	7.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Run/rise (m)	n/a	45.0	27.0	18.2	29.7	20.25	29.7	27, 15
No per pallet	66 + 45 infills	100	120	81	132	90	66	60, 30
Pack weight (T)	1.38	1.38	1.22	1.19	1.35	1.43	1.31	-

All dimensions are co-ordinated sizes to include allowance for 10mm joint.
All blocks are 100mm on bed.
Soldier course can be used as coping block.



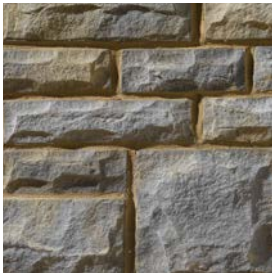
SQUARE DRESSED WALLING

Square Dressed walling captures the rugged style of quarried dressed walling stone common to many regions. It also offers an interesting alternative to other cladding such as brick or render. The various block sizes enable the product to be laid coursed, brought to course, or random.

Square dressed finish similar to natural quarried and dressed stone.

Rationalised sizes are compatible with conventional cavity wall construction.

Range of 225mm blocks for commercial and industrial applications.



KEINTON



BRECON



BUFF



PENNINE



SQUARE DRESSED PRODUCT DATA

Course height (mm)	75 Walling block	100 Walling block	125 Walling block	150 Walling block	225 Jumper block	225 Jumper block	225 Jumper block	Twice weathered coping
Lengths (mm)	200, 225, 250, 275, 300, 325	200, 225, 250, 275, 300, 325	200, 225, 250, 275, 300, 325	150, 200, 225, 250, 275, 300, 325, 375, 525	225	300	450	445L x 150W 495L x 300W
Walling area m² per pack	7.09	7.56	5.91	5.67	6.08	6.08	6.08	n/a
No per pallet	360	288	180	144	120	90	60	60, 30
Pack weight (T)	1.42	1.52	1.18	1.14	1.28	1.30	1.29	-

All dimensions are co-ordinated sizes to include allowance for 10mm joint.
All blocks are 100mm on bed.
Soldier course can be used as coping block.



SQUARE COURSED RUBBLE WALLING

Square Coursed Rubble has been developed to faithfully reproduce the classic horizontal stratum lines of natural stone, often found in Northern Britain.

The product is offered in either large or small course modules to satisfy regional custom and is laid straight. The large block is especially dramatic in appearance but both options are quick, economical and easy to lay.

Large and small modules available.

Rationalised sizes are designed for speedy construction with low wastage.

Moulded from natural stone to give a texture close to the original square coursed rubble.



BUFF



PENNINE



WALLING BLOCK



JUMPER BLOCK



TWICE WEATHERED
COPING

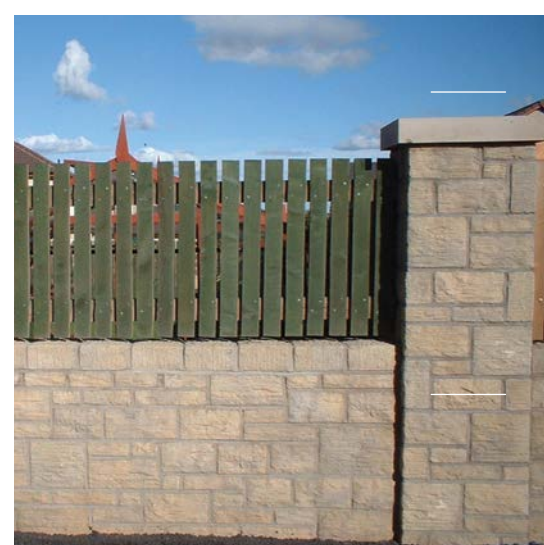
SQUARE COURSED RUBBLE PRODUCT DATA

Course height (mm)	75 Small module	100 Small module	125 Small module	150 Small module	125 Large module
Lengths (mm)	200, 225, 250 275, 300, 325	200, 225, 250 275, 300, 325	200, 225, 250 275, 300, 325	200, 225, 250 275, 300, 325	200, 225, 250 275, 300, 325
Walling area m ² /per pack	5.66	7.55	4.72	5.66	4.72
No per pallet	288	288	144	144	144
Pack weight (T)	1.20	1.59	0.99	1.19	0.99

Course height (mm)	150 Large module	175 Large module	225 Jumper block	225 Jumper block	Twice weathered
Lengths (mm)	200, 225, 250 275, 300, 325	200, 225, 250 275, 300, 325	250	337	445L x 150W 495L x 300W
Walling area m ² /per pack	5.66	6.61	6.07	6.14	n/a
No per pallet	144	144	108	81	60, 30
Pack weight (T)	1.19	1.39	1.28	1.25	-

All dimensions are co-ordinated sizes to include allowance for a 10mm joint.
All blocks are 100mm on bed.





STONE SLIPS WALLING



Designed to be economical and highly aesthetic, Stone Slips maintain the authentic appearance of natural stone for external and internal applications. Stone Slips are designed to suit modern methods of construction techniques and cladding/slip systems.

Very quick and easy to lay.

Thicknesses vary from 20mm at the edge to 30-35mm at the centre for a true stone effect.

Eliminates the manual handling issues associated with traditional stone or brick materials.



**BUFF
(TRADITIONAL)**



**BUFF
(SQUARE DRESSED FINISH)**



**PENNINE
(SQUARE DRESSED FINISH)**



**BUFF
(ROUGH DRESSED FINISH)**



**SOUTHWOLD
(ROUGH DRESSED FINISH)**



**IRON HAM
(ROUGH DRESSED FINISH)**

STONE SLIPS

PRODUCT DATA

TRADITIONAL

Course height (mm)	75 Slip	150 Slip	225 Slip
Lengths (mm)	200, 225, 250, 275, 300, 325	200, 225, 250, 275, 300, 325	250, 337
Walling area m² per pack	4.90	5.30	4.09
No per pallet (based on 525mm units)	114	68	31
Pack weight (T)	0.20	0.26	0.21

ROUGH DRESSED

75 Slip	150 Slip	225 Slip
200, 225, 250, 275, 300, 325	200, 225, 250, 275, 300, 325	250, 337,
4.90	5.30	4.09
114	68	31
0.20	0.26	0.21

SQUARE DRESSED

75 Slip	150 Slip	225 Slip
200, 225, 250, 275, 300, 325	200, 225, 250, 275, 300, 325	215, 300
4.90	5.30	4.09
114	68	31
0.20	0.26	0.21

Stone Slips are supplied in single height/random length packs.
All dimensions are co-ordinated sizes to include allowance for a 10mm joint.
Pistol blocks are available in 75mm, 150mm and 225mm courses on a MTO basis.







TECHNICAL SERVICES

We are 100% committed to manufacturing high quality product on spec and on time by partnering with our customers from project concept through to completion. As part of this commitment, we provide a full range of technical services including:

- Full take off service based on current working drawings
- Quantities provided to current working drawings
- Technical guidance on all products
- Samples service
- Product comparison service and stone identification
- RIBA accredited CPD seminars including:
 - **Design considerations when specifying masonry**
Provides an insight on how specifying masonry can have a positive impact on BREEAM designed buildings, along with advice on relevant product standards and differing manufacturing methods, range of products available and detailing issues to consider in providing a cost effective aesthetic building
 - **Manufactured stone masonry units and roofing**
Provides an understanding of the relevant product standards and the differing manufacturing methods, along with advice on laying patterns and selection of mortars to provide an aesthetically appealing building
- Full technical data sheets on all of our products can be downloaded at www.aggregate.com

Efflorescence

Aggregate Industries cannot accept responsibility for the effect of "efflorescence" which can be a characteristic of all building products with a high cement content.

The phenomenon may be exhibited by an apparent loss of intensity of colour and the appearance of a milky white bloom on the face of the product. The effect generally disappears with time and is no way detrimental to the performance of the product.

Colours

We take great care in the photographic accuracy of products shown, however due to variables in both the photographic and printing processes, colours may not exactly match current production. We recommend that clients obtain current production samples in suitable quantities as a general indication of colour before final selection.

To minimise colour and texture variation, we recommend that products are ordered from one batch. In manufacturing precast concrete products, variation in colour and texture may arise, and therefore total consistency cannot be guaranteed.

Colours may vary slightly between production batches and customers are advised to mix and select product from at least three different packs on site. Natural stone products will feature more colour variation than concrete products.

Product development

Aggregate Industries has a policy of continuous product development and product information is subject to change without notice. All products are manufactured to the appropriate British, (BS) standard or harmonised European standards, (BS EN) wherever possible. If no standard currently exists then Aggregate Industries' own standard is applied. All the products or services shown in this brochure are supplied subject to Aggregate Industries UK Ltd terms and conditions of sale.

Use of information within literature

The designs shown in this literature are illustrative only, and all dimensions are nominal. Every effort is made to ensure the accuracy of all textual and pictorial content in this guide. No charge is levied for this brochure or the advice therein, and accordingly the company, its employees and authorised agents can accept no liability whatsoever, either indirectly or directly arising from the use of its products in connection with any information or advice contained in this guide. It is the responsibility of Clients and Installers to check that installations achieve the appropriate standard. The relevant British or European standard should be referenced at all times.

You can obtain technical data sheets using the link from the top of each product page in this brochure and further information about the Bradstone range, our products and services (including case studies) is available at www.aggregate.com.

OUR FULL BUILDING PRODUCTS PACKAGE

Aggregate Industries offers complete building product solutions by bringing together our roofing, walling, architectural facing masonry, aggregate concrete blocks and aggregate ranges.

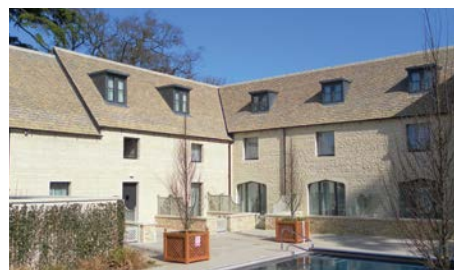


BRADSTONE WALLING

Bradstone walling combines the look and feel of traditional natural stone with the high performance, long life and low maintenance qualities of modern materials.

BRADSTONE ROOFING

Bradstone roofing products offer the authentic look and feel of highly aesthetic natural stone roofing but in high quality, easily available, sustainable materials.

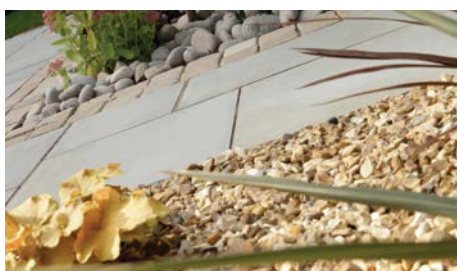


ARCHITECTURAL FACING MASONRY

Our architectural facing masonry walling ranges are high quality, simple to install, cost effective and often achieve an A+ Green Guide rating.

MASTERBLOCK CONCRETE BLOCKS

Aggregate Industries is one of the UK's largest manufacturers of dense and lightweight aggregate concrete blocks supplied to commercial and housing markets.



AGGREGATES

Aggregate Industries specialises in providing a range of high quality decorative stone as well as construction aggregates and specialist sands.

AGGREGATE INDUSTRIES

THE COMPLETE SERVICE

The Aggregate Industries group offers an extensive range of products and services to the construction industry.



AGGREGATES

We supply crushed rock, sand and gravel, stone and fill materials for construction. These can be delivered by road, rail or marine transport. We also produce silica and specialist sands.

Tel: 01455 285200
Email: aggregates@aggregate.com



CONCRETE

We offer a complete range of ready-mixed concretes and screeds, operating from over 70 sites. We also have an operation that caters for smaller collect loads

Tel: 01283 714187
Email: concrete@aggregate.com



ASPHALT

We are a leading supplier of a full range of coated materials with over 50 locations in the UK, serving major contractors, including sites for collect business.

Tel: 01455 288222
Email: asphalt@aggregate.com



CONSTRUCTION SOLUTIONS

Our Charcon Construction Solutions business offers design, manufacture and installation of integrated offsite solutions including modular roofing, hydro, flooring, ground and structural frame solutions.

Tel: 01670 531160
Email: sales@charconcs.com



CEMENTITIOUS MATERIALS

Lafarge Cement offers a wide variety of bulk and packed cementitious materials, produced at our cement plants in Caudon, Staffordshire and Cookstown, County Tyrone.

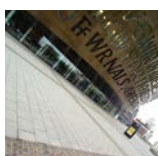
Tel: 01455 288 392
Email: cementitious@aggregate.com



CONTRACTING

We strengthen our construction materials portfolio through our involvement in infrastructure, surfacing and civil contracting works.

Tel: 01530 510066
Email: contracting@aggregate.com



COMMERCIAL LANDSCAPING

Flag paving, block paving and kerb products are available in both concrete and natural stone. Surface water drainage products are also part of a wide ranging portfolio.

Tel: 01335 372222
Email: landscaping@aggregate.com



GARDEN LANDSCAPING

Bradstone is one of the UK's leading ranges of natural and reconstituted stone paving, walling, edging and coping, block paving and decorative aggregates.

Tel: 01335 372222
Email: bradstone.garden@aggregate.com



OVERSEAS

Aggregate Industries Overseas supplies high quality aggregates to Europe from bases in the UK, Poland, Germany, Norway and Latvia.

Tel: 01530 512025
Email: overseas.sales@aggregate.com

North End, Ashton Keynes,
Wiltshire SN6 6QX

Tel: 01285 646900
building.products@aggregate.com

www.aggregate.com

 A member of
LafargeHolcim

