

## Building products solutions

Architectural facing masonry, reconstructed walling and roofing, architectural cast stone and aggregate concrete blocks

# Building a sustainable future together

Aggregate Industries offers complete building products solutions and have brought together our Masterblock concrete blocks, Bradstone walling & roofing and our architectural facing masonry ranges.

Individually these are some of the strongest product ranges within the building products industry. Products that are staples of both housing and the commercial development market. So now it is possible to get internal and external walling solutions, cast stone and roofing at the same time and from the same source.

#### Industry partnerships and collaboration

We are also proud to support our area of the construction industry, being members of the UK Cast Stone Association, the Concrete Block Association and The National Federation of Roofing Contractors.

So please use this guide to find more out about our products and services, further technical information can be obtained by contacting our helpline on 01285 646884.

#### Our commitment to sustainability

For more than a decade, Aggregate Industries has applied itself to the creation of sustainable solutions for all our core markets.

In 2009, this commitment saw Aggregate Industries become the first company in the world to be certified to BES 6001 The Framework for the Responsible Sourcing of Construction Products, by the Building Research Establishment (BRE).

Today, all our UK manufactured products are certified as EXCELLENT under the BES 6001 standard.



It is precisely this sustainable approach to construction that has led to the development of our Life strategy - a brand to encompass the widest range of sustainable product and service solutions from one manufacturer.

## Life®

Life doesn't just set a precedent, it also sets a standard. Each of the solutions that carry the Life logo meet or exceed at least one of the three benchmarks that we have set in the key areas of:

- **Carbon reduction**  
Must reduce carbon in manufacture or in use by at least 20%
- **Non-primary material content**  
Must contain a minimum of 45% non-primary material based on the entire product mix
- **Water treatment or management within a SUDS solution**  
The management of the quality and quantity of water within a Sustainable Drainage System.

20% reduction in CO<sub>2</sub>

45% non-primary materials

Sustainable Drainage Systems

For more information on our Life products and services visit [www.aggregate.com/life](http://www.aggregate.com/life)



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EMS96928

# Holcim

## Strength. Performance. Passion

### Aggregate Industries is part of the Swiss based Holcim group.

Holcim is one of the world's leading suppliers of cement and aggregates (crushed stone, gravel and sand) as well as related activities such as ready-mixed concrete, asphalt and precast concrete. The group holds majority and minority interests in around 70 countries in all continents around the world. Holcim is more globally spread than any other building materials group, allowing it to create a strong foothold in each individual market.

Around three quarters of the company's operational capacity is based in emerging or developing markets, accounting for almost half of the group's net sales. In 2011, Holcim had total worldwide revenues of around 20 billion Swiss Francs, and employed approximately 80,000 people.

Holcim also attaches great importance to sustainable development at an economic, ecological and social level. Taking this holistic approach has ensured the company's long-term success. This approach has been acknowledged by the Dow Jones Sustainability Index, which has named Holcim the "leader of the industry" for four years in succession.



# Bradstone

## architectural facing masonry

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



For commercial projects each product and finish is carefully designed to make detailing and construction as simple and straightforward as possible, utilising tried and tested construction methods with no new systems or complex fixing required.

Although predominantly used in commercial developments these products are also extensively used within the housebuilding sectors, coupled with the aggregate block inner leaf mentioned later in the brochure.

With a range of sizes, colours and bespoke units, our architectural masonry is widely accepted by planners for use in sensitive areas.

#### Why use our masonry products?

- **Cost effective when compared to other materials as a whole life solution including minimal maintenance costs. The high manufacturing specification on many products gives a longer working life**
  - **An innovative and growing product range with several new products launched recently, and many more in development**
  - **Sustainability at the core of the product offer, with our responsibly sourced sustainable products having up to A+ BRE Green Guide ratings, and often high secondary or recycled content**
  - **Extensive masonry product design expertise, enabling us to add value right at the start of your project**
  - **We only use the highest quality materials and aggregates in our masonry walling, the vast majority from our own quarries.**
- **A proven track record of products supplied to major projects including the Building Schools for the Future programme, major sports stadia, office and retail developments**
  - **Simple to install, utilising traditional building methods and readily available skills**



## Key products

### StoneMaster®

StoneMaster blocks provide a revolutionary walling product with the inherent beauty of indigenous stone, and added benefits including cost effectiveness and a high recycled content. The range of colours is designed to replicate both regional sandstones and limestones.

 76%<sup>†</sup>



### Textured Facing Masonry

Textured Facing Masonry is a high strength robust walling block designed to give the look and feel of traditional masonry with a light surface texture. Manufactured from selected aggregates with a standard strength of 10.4N/mm<sup>2</sup> (solid) and 7.3N/mm<sup>2</sup> (cellular) available in either Buff or Grey. The perfect combination of strength, durability and decorative appeal.



### Split Facing Masonry

Split Facing Masonry is a high strength robust walling block designed to replicate the traditional appearance of dressed natural stone. Manufactured from selected aggregates with a standard strength of 10.4N/mm<sup>2</sup> (100mm solid) available in either Buff or Grey. The most economic alternative to natural stone for that distinctive masonry appearance.



**Life®**  
**StoneMaster®**

<sup>†</sup> Represents non-primary material within the complete mix design.

Through mix product 76%. Face mix product 56%.

# 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. Although predominantly used in housebuilding these products are also used in commercial developments. 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 that save time and money onsite.



Suitable for both new build, refurbishment or renovation projects, our walling for housing is also widely accepted by planners for use in sensitive or conservation areas. Moulds taken from natural stone recreate the subtle textures and characteristics of the virgin material and the wide range of authentic shades match the original stone which is now often unobtainable.

#### Why use our walling products?

- Our walling products are universally acknowledged as being the closest thing to natural stone, and are easy to design with and to construct with onsite
- Many developments completed with major housebuilders and property developers, where the look of a natural stone enhances the perceived value of the development or differentiates it
- Pioneers of the reconstructed stone process, with many years of manufacturing experience and craftsmanship, using locally sourced aggregates. This gives the most authentic product available
- Responsibly sourced sustainable products developed in conjunction with specifiers to give solutions to reach high BREEAM and Code for Sustainable Homes values
- Vast logistics and stock holding capability to ensure that walling is available and ready for call off for those time critical projects
- Full design and technical assistance available.





## Key products

### Rough Dressed walling

Authentically produced from natural stone masters providing that high quality aesthetic detail revered throughout the UK. Rough Dressed walling is quick but yet simple to install, available in a variety of regional colour variations. A perfect match to those now unobtainable regional stones, accepted by planners as being 'the closest thing' to natural stone.



### Masonry block walling

Bradstone masonry block walling has been developed as a simple and ingenious method of reproducing the appearance of traditional random rubble walling found in natural stone areas. The coursing is not apparent, and the blocks are cast in a unique 'T' shape with false joints, so that they appear to be made of individual stones.



### Stone slips

Designed to be economical, cost effective 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 systems designed to take a slip. Also able to be used in retrofit applications.



# Cast stone

Our range of Cast stone architectural dressings can be used as building materials in their own right. Cast stone accessories enhance the appearance of natural stone, rendered and brick built buildings. This is true for either traditional or modern styles all over the UK.

Our manufacturing expertise for these products goes back decades, replicating the traditional skills of the mason. Aggregate Industries is a founder member of the UK Cast Stone Association (UKCSA). You can rest assured that our standards surpass even this mark of quality (typically 40% stronger than the British Standard).

#### Stock items

A wide selection of cast stone units is available in our traditional Bathstone shade. Other shades are available made to order, see across.

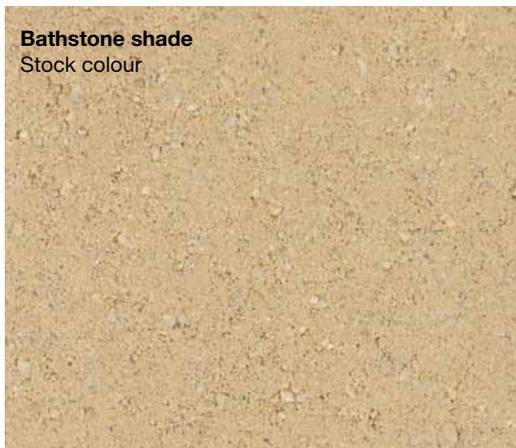
#### Made to order items

Cast stone components specially cast from existing moulds and/or in a nonstandard shade.

#### A full purpose made service is available upon request

This is a fully flexible service offering items purpose made to customers' own specifications, including special sizes, shapes and designs. Our design department will be pleased to offer help and advice before working drawings are prepared and special moulds are made.

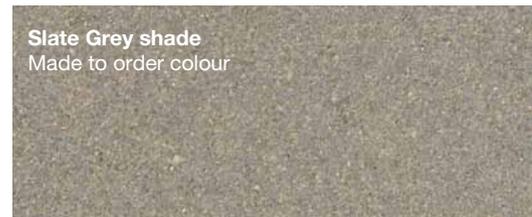
**Bathstone shade**  
Stock colour



**Brecon shade**  
Made to order colour



**Slate Grey shade**  
Made to order colour



**Portland shade**  
Made to order colour



**Limestone shade**  
Made to order colour



**Yorkstone shade**  
Made to order colour





## Key products

### Ashlar

The classic traditional smooth faced block, used in countless projects looking to include elements of either classical, neo-classical or Georgian architecture among others.



### Lintels, cills, quoins and corbels

All the major cast stone accessories available either off the shelf in the traditional Bathstone shade, or made to order.



### Wall copings and pier caps

A complete range of decorative items that put a distinctive classical look onto walls, columns and pillars.



# Bradstone

## roofing products

Bradstone roofing products offer the authentic look and feel of highly aesthetic natural stone roofing coupled with the high performance, long life and low maintenance qualities of modern materials.



On new housing, authentic stone roofing helps a house blend in with its surroundings, especially in conservation planning areas.

For refurbishment projects, our roofing replaces natural stone slate seamlessly and is able to offer the same profiles including diminishing courses as all of our slates have been cast from moulds taken from the original stone.

For retail and other commercial developments, not only does our roofing blend in, but it is also used to provide character where required, and help create a striking environment.

#### Why use our roofing products?

- We offer a fully integrated range of roofing solutions including reconstructed stone roofing slates and ventilation products.
- Our products add value to the project, either housebuilding or commercial by either replicating the local style, complementing the walling, or by being different to surrounding roofs, such as mainstream mass produced concrete roof tiles

- Our roofing products offer a true authentic look, with moulds taken from existing natural stone products, and faithful replication of the colour and roofing style, including both regular and diminishing courses
- High recycled and secondary content of up to 50% in reconstructed stone roofing. All manufactured product is also responsibly sourced to give solutions that reach high BREEAM and Code for Sustainable Homes values
- Products that are regularly approved by planners for use in conservation areas and other areas of special architectural importance.



# Ventilation solutions

## Key products

### Conservation

Visually authentic, cost effective slates, specifically developed to meet stringent demands of conservation planning areas by replicating scarce and expensive natural stone roofing. Supplied in a full but rationalised range of diminishing lengths and random widths for an authentic appearance.



### Cotswold

Highly detailed slates resembling indigenous Cotswold natural stone slates. Supplied in a full but rationalised range of diminishing lengths and random widths for that truly authentic natural stone appearance. The slates' ease of laying helps to reduce time and costs associated with second-hand/ reclaimed material.



### Old Quarried

This natural stone-effect slate has the characteristics of substantial square cut roofing. Old Quarried comprises a simple range of diminishing courses and random widths which gives the finished roof a heavy stone appearance whilst being easy to fix and more cost effective.



From January 2011, it has been a NHBC (National House Building Council) requirement to provide 5000mm<sup>2</sup>/m high level ventilation in all cold pitched roofs whether they incorporate a vapour permeable (LR) underlay or not.

To meet this requirement, we can provide either ridge or slate ventilation products or a complete dry fix ridge and hip ventilation system, which will not only meet this new NHBC

requirement but also provide a means of compliance with BS 5534:2003 code of practice for slating and tiling with regards to mechanically fixing some or all ridge/hip tiles.



### Ridge ventilation units



Conservation and Cotswold ridge vent unit



Old Quarried and Crofters ridge vent unit



Gas flue ridge unit

# Masterblock

## concrete blocks

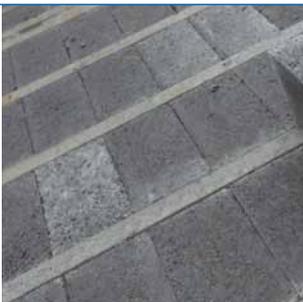
Aggregate Industries is one of the UK's largest manufacturers of dense and lightweight aggregate concrete blocks supplied for the commercial and housing markets. In a conventional cavity wall our Masterblock range of concrete blocks are used on the inner leaf, coupled with the external walling (outer leaf) products outlined earlier to give a total building products solution.



The blocks are manufactured in a wide range of sizes, strengths and finishes offering total flexibility. Primarily consisting of engineered dense, lightweight and paintgrade blocks, the range of Masterblock products are distributed across the UK to all major conurbations.

#### Why use our concrete blocks?

- A proven track record of products supplied to major projects including the majority of housebuilders and developers such as Building Schools for the Future programme, major sports stadia, office and retail developments
- Control of the aggregate supply source ensures that the highest quality aggregates, either new material or secondary / recycled is used within our range of Masterblock products
- An innovative and growing product range with access to the concrete and cement technology of Aggregate Industries
- Sustainability is also at the core of the company's values, with many of our sustainable concrete blocks by Masterblock having up to A+ BRE Green Guide ratings and recycled / secondary aggregate content
- Our range of Masterblock products are simple to install, utilising traditional building methods and available skill sets
- Cost effective when compared to other walling materials as a whole life solution including minimal maintenance costs
- Design service available with a history of providing innovative solutions, including value engineering and bespoke products when required
- Nationwide distribution network and large production capability providing total flexibility in managing the customers' needs and servicing their requirements.



## Key products

### Enviroblock

Enviroblock contains a minimum of 73% recycled / secondary aggregate, and is engineered to meet the demands of today's specifier looking for sustainable solutions. The raw materials used are specifically selected for their environmental performance and the products comply with all European and UK technical standards.

 73%<sup>†</sup>



### Fairfaced

Masterblock Fairfaced offers an economical solution to undecorated masonry walls. Available in either Buff or Grey, the use of carefully selected aggregates gives a close texture with a high degree of colour consistency and a natural colour. Multiple formats are available including dense and lightweight, cellular or hollow with a standard strength of 10.4N/mm<sup>2</sup> (solid) and 7.3N/mm<sup>2</sup> (hollow/cellular).



### Masterlite Pro Acoustic

A cost effective, close textured, lightweight density paintgrade unit developed specifically for use in schools to meet the acoustic requirement of BB93. Rw values of 45dB for 100mm solid blocks and 50dB for 140mm solid blocks, can be achieved when painted both sides. Low air permeability ensures good sound reduction values, as well as thermal performance.

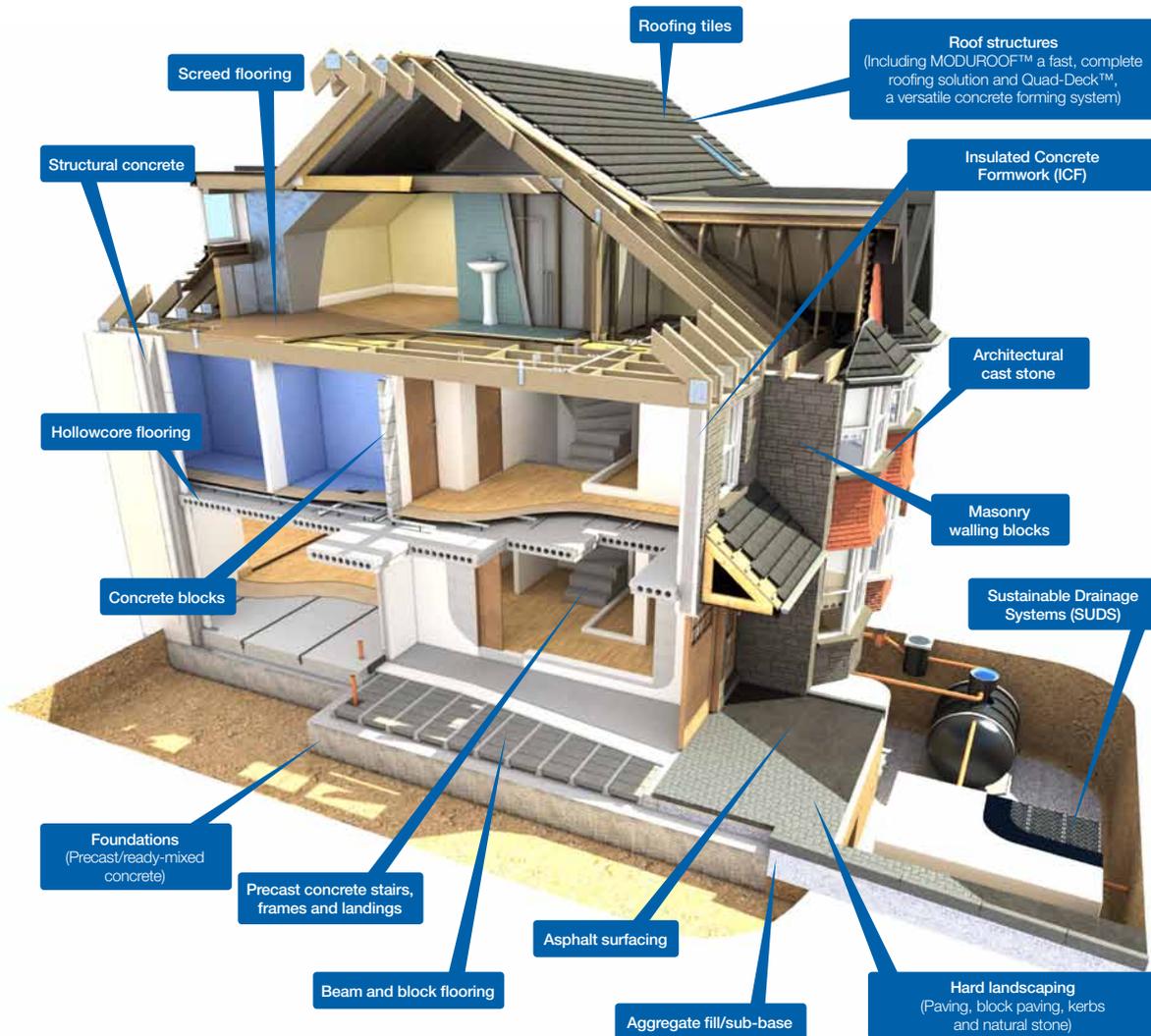


**Life**<sup>®</sup>  
Enviroblock

<sup>†</sup> Represents non-primary material within the complete mix design.  
Dense block 80%. Lightweight block 73%.

# Construction solutions for housebuilding

With the widest range of construction products and services available, national coverage and sector understanding, we are your complete solutions provider for the housebuilding sector. We have a portfolio of products and services designed to save time and money onsite. These products, coupled with our design ability and innovation, make us the complete solutions provider not only for individual houses but also entire developments.



# 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



### 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



### Asphalt

We are a leading supplier of a full range of coated materials with over 40 locations in the UK, serving major conurbations, including sites for collect business.

**Tel:** 01455 288222

**Email:** asphalt@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



### Contracting

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

**Tel:** 01530 510066

**Email:** contracting@aggregate.com



### Building products

We produce decorative masonry building blocks, reconstructed stone walling, architectural cast stone dressings and roofing slates.

**Tel:** 01285 646884

**Email:** building.products@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



### Cementitious materials

We import grey and white cement from Northern Europe and supply Fly Ash to ready-mixed, precast, mortar, screed and render companies.

**Tel:** 01530 512000

**Email:** cementitious@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 372 222

**Email:** bradstone.garden@aggregate.com

Available to download from our website below.

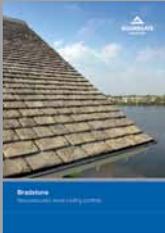
### Walling



### Cast Stone



### Roofing



### Concrete blocks



### Technical brochures

#### Walling



#### Roofing



#### Concrete blocks



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