

Walling

Bradstone Masonry block



A simple and ingenious method of reproducing the appearance of traditional random rubble walling.

- Perfect for adding value and visual appeal to any commercial or domestic build
- Produced in moulds originated from natural stone masters for a high quality aesthetic detail
- Cast in a unique 'T' shape, with false joints, so they appear to be made of several individual stones
- Very simple 2 piece component for ease and speed of construction
- Produced in rational sizes for ease, speed and flexibility of construction
- Popular in brick and non stone areas to add distinction
- Can be laid to a 450mm module achieving wall tie positions, window and door heights
- Available in a number of shades to suit regional variations.

Applications

The Masonry block walling range is suitable for commercial, public and domestic building applications.

Manufacturing standard

The Bradstone walling range is manufactured as a wet cast reconstructed stone product and is compliant to European Standard BS EN 7715, and complies with Assessment and Verification of Constancy of Performance (AVCP) system 4, Category II masonry unit.

All Aggregate Industries' products are manufactured in accordance with ISO 9001 with factory compliance to ISO 14001.

A range of masters is used to avoid noticeable repetition of profiles. Blocks in this finish are frogged.

Complementary products

Aggregate Industries' architectural cast stone dressings and reconstructed stone roofing.



Colour swatches



1. Buff
2. Keinton
3. Southwold
4. Silver Grey

5. Limestone Buff (to order)

Masonry block walling

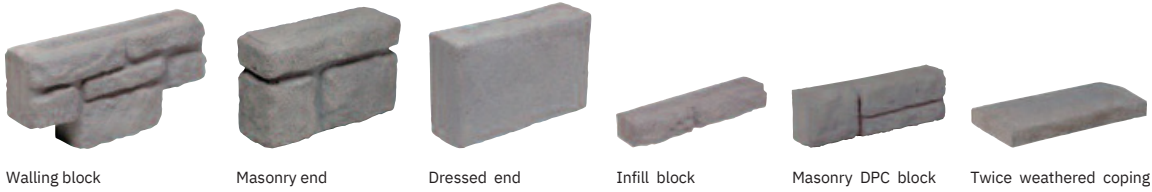
| Course height (mm) | 225 Walling | 150 DPC block | 225 Masonry end | 225 Masonry end | 225 Dressed end | 225 Dressed end | 225 Soldier course or coping unit | 100 Soldier course or coping unit |
|---------------------------------------|-----------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------------------------|-----------------------------------|
| Lengths (mm) | 450 | 450 | 225 | 337 | 225 | 337 | 450 | 450 |
| Walling area m ² /per pack | 100 | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Run/rise (m)/pallet | n/a | 45.0 | 27.0 | 18.2 | 29.7 | 20.25 | 29.7 | 29.7 |
| No per pallet | 66 + 44 infills | 100 | 120 | 81 | 132 | 90 | 66 | 66 |
| Pack weight (T) | 1.38 | 1.38 | 1.24 | 1.30 | 1.36 | 1.36 | 1.36 | 1.36 |
| Colour available | All | All | All | All | All | All | All | All |

All dimensions are coordinated sizes to include allowance for a 10mm joint.
All blocks are 100mm on bed.
Twice weathered coping available in 500x300x5065mm in pallets of 30. 15m run per pallet.
Soldier course can be used as coping block.

NBS Plus

NBS Plus Clause: F10 295. For NBS clauses, refer to our technical services

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Performance

| | |
|---|---|
| Dimensional tolerance | D1 |
| Mean normalised strength | >20.0 N/mm |
| Net dry density | 2* |
| Thermal conductivity | Internal 2125 kg/m3 External 1.28 W/mK |
| (based on tabulated values from BS EN 1745) | |
| Water vapour diffusion coeff | 1.37 W/mK |
| Moisture movement | 50/150 |
| Water absorption by capillarity | <0.8mm/m |
| Reaction to fire (classified to EN 13501-1) | <9.0g/m2.s0. |
| Durability | Frost resistant |
| In accordance with table 15, PD 6697:2010 | |
| Bond strength | 0.15 N/mm2 |
| (based upon tabulated Values from BS EN 9982 Annex C) | |

Table 1 Thermal resistance

| Width (mm) | Form | Thermal resistance (m2K/W) | |
|------------|-------|----------------------------|-------|
| | | 3% | 5% |
| 100 | solid | 0.078 | 0.073 |

Table 2 Unit weights

| Width (mm) | Face size | Form | Unit weight* (kg) | Built weight (kg/m2) |
|------------|-----------|-------|-------------------|----------------------|
| 100 | | | | |
| 100 | 440 x 215 | Solid | 18.13 | 215 |
| 100 | 215 | Solid | 13.4 | 214 |
| 100 | 440 x 140 | Solid | 10.05 | 214 |
| | 140 | Solid | 15.29 | 215 |

*based upon 5% moisture content by volume.

Table 3 Fire resistance (hours)

| Width (mm) | Form | Loadbearing | Non load bearing |
|------------|-------|-------------|------------------|
| 100 | Solid | 2 | 2 |

*based upon table 14 BS56283 single leaf.

Table 4 Sound insulation

| Width (mm) | Form | Rw dB |
|------------|-------|-------|
| 100 | Solid | 44 |

*based upon mass law calculation.



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Sustainability and local sourcing Energy use:

Aggregate Industries is at the forefront of sustainability and has committed to reduce carbon emissions by 20% by 2016 based on a 2012 base line.

Recyclable: 100% of the product can be recycled thus reducing the amount of material that is sent to landfill.

Manufacturing location: produced in the UK, with locally sourced materials under strict environmental and social legislation, for local supply.

Responsible sourcing: Aggregate Industries is the first company in the world to achieve a BES 6001:2008 Responsible Sourcing Certificate from BRE Global.

Products are assessed on:

- quality management
- environmental management
- health and safety management
- greenhouse gas emissions
- minimising raw material usage
- labour practice
- biodiversity
- community engagement.

Key aggregate and recycled content

The Bradstone walling range is manufactured principally from naturally occurring aggregates, ordinary Portland cement and colouring pigments, cast in moulds.

Generic green guide rating

There is currently no generic rating for reconstructed stone walling.

Policies

Aggregate Industries' policies on the environment and community, health and safety and sustainable solutions for different product applications can be viewed on our website www.aggregate.com

Installation standard

Appearance: To allow this product to achieve its designed intention to closely resemble original random rubble walling, it is vital that the false joints are pointed.

Health and safety: Size for size Aggregate Industries walling is heavier than most facing bricks, making it more comparable with solid wire cut bricks. Though it is generally lighter than limestone and sandstone

masonry, due allowance for the weight of the larger blocks should be made when moving, handling and working with the material on site. Special care should be taken when handling and lifting heavy fittings.

Maintenance and cleaning

Aggregate Industries can supply on request advice on general maintenance. Aggregate Industries also offer an antigraffiti coating service which will protect solid, absorbent and painted surfaces against graffiti attack and other contamination. For more information on the service call our sales office on 01285 646884.

COSHH data

Full COSHH data on the Bradstone walling range of products is available on request. Please call the technical helpline on 01285 646808.

Technical support

Detailed guidance and assistance with the preparation of specification and use of our range of products is available through the sales offices. A free technical service is also available.

Call our technical services on 01285 646808.

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