

AGGREGATE INDUSTRIES

Walling

Bradstone Tooled



The original Aggregate Industries finish features the vertical tooled markings characteristic of chiselled and dressed stone.

- Perfect for adding value and visual appeal to any commercial or domestic build
- Reminiscent of sawn Bath stone perfect for matching across South West England
- Used in contemporary new builds across the UK
- Produced in moulds originated from natural stone masters for a high quality aesthetic detail
- Available in two shades.

Applications

The Tooled 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 771-5, 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.

Colour swatches



1. North Cerney
2. Buff

Complementary products

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



Tooled walling

Course height (mm)	76	153	229
Lengths (mm)	200, 305, 458	200, 305, 458	200, 305, 458
Walling area m ² /per pack	4.53	4.53	4.71
No per pallet	180 (60 of each)	90 (30 of each)	70 (30, 30, 10)
Pack weight (T)	0.95	0.95	1.00
Colour available	All	All	All

Walling blocks are supplied in single height/random length packs.
All dimensions are coordinated sizes to include allowance for a 10mm joint.
All blocks are 100mm on bed.
Twice weathered coping available in 500x300x50 65mm in pallets of 30. 15m run per pallet.



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

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Walling block



Twice weathered coping

Performance

Dimensional tolerance	D1	
Mean normalised strength	>20.0 N/mm ²	
Net dry density	2125 kg/m ³	
Thermal conductivity <small>(based on tabulated values from BS EN 1745)</small>	Internal	1.28 W/mK
	External	1.37 W/mK
Water vapour diffusion coeff	50/150	
Moisture movement	<0.8mm/m	
Water absorption by capillarity	<9.0g/m ² .s ^{0.5}	
Reaction to fire <small>(classified to EN 13501-1) A1</small>		
Durability <small>In accordance with table 15, PD6697:2010</small>	Frost resistant	
Bond strength <small>(based upon tabulated values from BS EN 998-2 Annex C)</small>	0.15 N/mm ²	

Table 1 - Thermal resistance

Width (mm)	Form	Thermal resistance (m ² K/W)	
		3%	5%
100	solid	0.078	0.073

Table 2 - Unit weights

Width (mm)	Face size	Form	Unit weight* (kg)	Built weight (kg/m ²)
100	219 x 66	Solid	3.14	211
100	295 x 66	Solid	4.23	211
100	448 x 66	Solid	6.43	212
100	219 x 143	Solid	6.81	213
100	295 x 143	Solid	9.18	214
100	448 x 143	Solid	13.93	214
100	219 x 219	Solid	10.43	214
100	295 x 219	Solid	14.05	215
100	448 x 219	Solid	21.34	215

*based upon 5% moisture content by volume.

Table 3 - Fire resistance (hours)

Width (mm)	Form	Load bearing	Non load bearing
100	Solid	2	2

*based upon table 14 BS5628-3 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

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 anti-graffiti 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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