

BRADSTONE SQUARE DRESSED

Developed to give the authentic appearance of naturally quarried and dressed natural stone.

FEATURES

- ▶ 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
- ▶ 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 Square Dressed 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 froged.

COMPLEMENTARY PRODUCTS

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



COLOURS



Keinton



Buff



Pennine



Brecon

Square Dressed walling							
Course height (mm)	75	100	125	150	225 Jumper	225 Jumper	225 Jumper
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
Walling area m ² per pack	7.09	7.56	5.91	5.67	6.08	6.08	6.08
No per pallet	360	288	180	144	120	90	60
Pack weight (T)	1.42	1.52	1.18	1.14	1.22	1.22	1.22
Colour available	All	All	All	All	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. 135 splayed quoins, all internally and externally faced are also available in course heights of 75, 100, 125 and 150mm. Internal lengths of all are 180 + 270mm. External lengths of all are 215 + 310mm. Twice weathered coping available in 500x300x50 65mm in pallets of 30. 15m run per pallet.



Walling block



Jumper block



Splayed quoins
(internal and external)
(made to order)



Twice weathered coping
(made to order)

PERFORMANCE

Dimensional tolerance	D1
Mean normalised strength	>20.0 N/mm ² *
Net dry density	2125 kg/m ³
Thermal conductivity (based on tabulated values from BS EN 1745)	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 (classified to EN 13501-1)	A1
Durability (in accordance with table 15, PD6697:2010)	Frost resistant
Bond strength	0.15 N/mm ²

(based upon tabulated values from BS EN 9982 Annex C)

TABLE 1 - THERMAL RESISTANCE

Width	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	190 x 65	Solid	2.69	211
100	315 x 65	Solid	4.45	211
100	190 x 90	Solid	3.72	212
100	315 x 90	Solid	6.17	213
100	190 x 115	Solid	4.75	213
100	315 x 115	Solid	7.88	213
100	190 x 140	Solid	5.79	213
100	315 x 140	Solid	9.59	214
100	215 x 215	Solid	10.05	214
100	440 x 215	Solid	20.58	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 5% moisture content by volume.

TABLE 4 - SOUND INSULATION

Width (mm)	Form	Rw dB
100	Solid	44

*based upon 5% moisture content by volume.

SUSTAINABILITY AND LOCAL SOURCING

ENERGY USE AND GREENHOUSE GAS EMISSIONS:

Aggregate Industries is at the forefront of sustainability and has committed to reducing both energy and greenhouse gas intensity 5% year-on-year.

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 accreditation to the BES 6001 Framework Standard for the Responsible Sourcing of Construction Products.

Aggregate Industries has achieved a 'Good' rating for major product groups. The BES 6001 standard assesses:

- ▶ 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 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 is available on request. Please contact charcon.technical@aggregate.com

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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