

## Roofing

# Bradstone Conservation Slates



Visually authentic, cost-effective slates, specifically developed to meet stringent demands of conservation planning areas.

- Readily available, highly acceptable reconstructed stone alternative to natural stone slates
- Supplied in a full but rationalised range of diminishing lengths and random widths for an authentic natural stone appearance
- The slates ease of laying and ready availability reduce time and costs associated with second-hand material
- Slates are twice holed to facilitate nailing where appropriate
- Slates B to J are nibbed to ensure speed of laying, under eaves (A) are to be nailed and under ridge (M) hung by nails on last course
- Suitable for roofs down to a minimum pitch of 30°
- Conservation range consists of main slates, under ridge and eaves slates with matching accessories including ridge, hip and ventilation units.

### Manufacturing standard

All Aggregate Industries' roofing slates comply with BS EN 490: 2004 (concrete roofing tiles and fittings – product specification).

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

Aggregate Industries' roof slates are moulded from hand-dressed natural stone slates by means of a specifically developed technique which reproduces the fine detail of the originals on the textured face. A range of masters is used to avoid noticeable repetition of profiles.

### Performance

Product testing is carried out in accordance with BS EN 491:2004 (concrete roofing tiles and fittings – test methods).

### Complementary products

Aggregate Industries' reconstructed stone walling.



### Colour swatch



1. Natural Weathered

### Applications

External roofs, extensions and new builds where a natural appearance is required.

## Conservation Slates

Length (mm)	203	254	279	305	330	356	406	457	508	305	203
	Under ridge	Main slates	Main slates	Main slates	Main slates	Main slates	Main slates	Main slates	Main slates	Under eaves	Under eaves
Numbers	M1-5	J1-6	H1-6	G1-6	F1-6	E1-6	D1-7	C1-8	B1-7	A1	A4
Width (mm)	100, 125, 150, 200, 250	150, 175, 200, 225, 250, 275	175, 200, 225, 250, 275, 300	175, 200, 225, 250, 275, 300	175, 200, 225, 250, 275, 300	175, 200, 225, 275, 300, 325, 350	200, 250, 275, 300, 325, 350, 375	200, 250, 275, 300, 325, 350, 375, 400, 425, 450	225, 250, 325, 400, 425, 450	400	250
Sets	40	68	60	60	58	36	24	20	20	80	⊕ See below
M <sup>2</sup> /pack	6.26 with A1's	8.38	8.77	9.59	10.38	7.56	7.67	8.61	9.47	6.26 with M's	n/a
Colour available	All	All	All	All	All	All	All	All	All	All	All

Each slate is identified by a letter and number, the letter indicates the slate length and the number its width please see table above. The main slates (B to J) forming the bulk of the roof are supplied and laid to a double-lap in eight lengths, reducing from eaves to ridge. There are between six and eight different widths in each length. Equal quantities from the full range of widths are supplied in each particular length. The length of rafter determines the number of courses in each slate length supplied. Use A4 slate for shorter rafters i.e. dormers and porches.

Ridge units – For roof pitches up to 35°, a 110° (internal angle) ridge unit is available in 600mm lengths. For roof pitches above 35°, a 90° (internal angle) ridge unit is available in 450 and 600mm lengths.

Hip units – available in 450 and 600mm lengths. Ridge vent unit – available in 450mm lengths. Gas flue ridge unit – available in 450mm lengths.

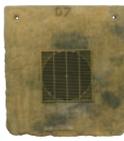
Slate vent – Slate size is 406mm (l) x 375mm (w) (slate D7).

⊕ No standard pack. Supplied as required.

# Bradstone Conservation Slates



Main slate



Slate vent



Hip unit



Ridge unit



Ridge vent unit



Gas flue ridge unit

## 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

Aggregate Industries' roofing slates are 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 roofing.

## 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](http://www.aggregate.com)

## Installation standard

**Weight:** Conservation slates have an average laid weight (5% m.c by volume) of approximately 90kg/m<sup>2</sup> when fixed to a standard 80mm head lap. Ridge units weigh approximately 21kg/m run; hip units weigh approximately 8.1 kg/m run.

**Lap:** Minimum head lap 80mm. Minimum side lap 75mm.

**Batten size:** Batten section – 50 x 25mm, except for J Slate: use 38 x 25mm.

**Rafter centres:** 400 to 600mm. When ordering batten approximately 8.6m run of batten to m<sup>2</sup> as laid is required

**Quantities and guides:** On receipt of a firm order, Aggregate Industries will schedule the actual quantities of slates and fittings required. A battening and coursing guide for the specific roof will be supplied and this should be strictly adhered to.

## Maintenance and cleaning

Aggregate Industries can supply on request advice on general maintenance. For more information on the service call our sales office on 01285 646884.

## COSHH data

Full COSHH data on Aggregate Industries' products is available on request. Please call the technical helpline on 01285 646846.

## Technical support

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

**Call our technical services on 01285 646846.**

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[www.aggregate.com](http://www.aggregate.com)



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