

Roofing

Bradstone Cotswold Slates



Highly detailed slates resembling indigenous Cotswold natural stone roofing.

- 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 1 to 28 are nibbed to ensure speed of laying under eaves (29) to be nailed and under ridge (30-33) hung by nails on last course
- Suitable for roofs down to a minimum pitch of 30°
- Cotswold range consists of main slates, under ridge and eaves slates with matching accessories including ridge, hip, ventilation units and slip slates for swept valleys.

Applications

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

Manufacturing standard

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.

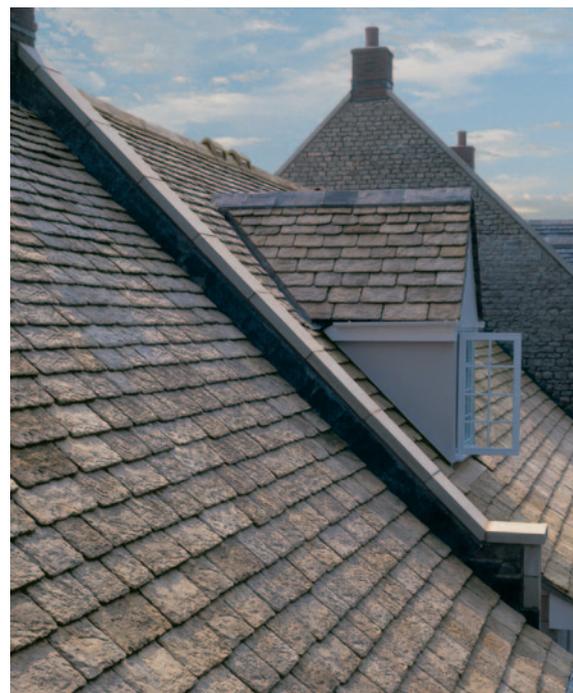
Aggregate Industries' roof slates are moulded from hand-dressed natural stone slates by means of a specifically developed technique which reproduces the fine detail of the originals on the textured face. A range of masters is used to avoid noticeable repetition of profiles.

Performance

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

Complementary products

The Bradstone range of reconstructed stone walling.



Colour swatch



1. Weathered Buff

Cotswold Slates

| Length (mm) | 200 | 300 | 350 | 400 | 450 | 500 | 550 | 350 |
|----------------------|----------------------|-------------------------------|----------------------|-----------------------|-------------------------------|-------------------------------|-------------------------------|----------------------|
| | Under ridge | Main slates | Main slates | Main slates | Main slates | Main slates | Main slates | Under eaves |
| Numbers | 30-33 | 1-5 | 6-9 | 10-13 | 14-18 | 19-23 | 24-28 | 29 |
| Width (mm) | 100, 175 225, 350 | 200, 250, 275, 350, 400 | 225, 275 325, 400 | 250, 300, 350, 450 | 225, 300, 325, 400, 500 | 225, 275, 300, 400, 450 | 250, 300, 350, 425, 500 | 400 |
| Sets | 46 | 60 | 60 | 36 | 26 | 28 | 22 | 84No |
| M ² /pack | 7.85 | 10.64 | 10.3 | 7.79 | 8.2 | 9.26 | 8.84 | 7.85 with 30-33's |
| Colour available | All | All | All | All | All | All | All | All |

Each slate is numbered and the slate number (see table above) indicates its size. The main slates (1-28) forming the bulk of the roof are supplied and laid to a double-lap in six lengths, reducing from eaves to ridge. There are between four or five 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.

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 450mm (l) x 500mm (w) (Slate No. 18)

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Main slate



Centre slip 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

Installation standard

Weight: Cotswold slates have an average laid weight (5% m.c by volume) of approximately 84kg/m² 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.

Rafter centres: 400 to 600mm. When ordering batten approximately 6.25m run of batten to m² 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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