

Garsdale

fibre cement slates



Sustainability

Green guide rating	A+ (Element ref: 812410008)
BES 6001	Very good – can achieve 3 credits
Embodied carbon	Low carbon footprint of 13 CO ₂ e/m ²



Garsdale, Perth

Technical data*

Size of slate	600mm x 300mm	
Minimum pitch**	Moderate exposure	22,5° (100mm lap) 20° (110mm lap)
	Severe exposure	25° (100mm lap) 22,5° (110mm lap)
Maximum pitch	90°	
Typical laps	100, 110mm	
Maximum gauge	245-250mm	
Slate thickness	4mm	
Covering capacity (net)	13,4 slates/m ² at 100mm lap	
	13,6 slates/m ² at 110mm lap	
Weight of slating (approx.)	20,4 kg/m ² (0,20 kN/m ²) at 100mm lap	
	20,9 kg/m ² (0,20 kN/m ²) at 110mm lap	
Battens required (net)	4,00 lin,m/m ² at 100mm lap	
	4,08 lin,m/m ² at 110mm lap	
Batten size recommended (fixed to BS 5534)	38 x 25mm for rafters/supports not exceeding 450mm centres	
	50 x 25mm for rafters/supports not exceeding 600mm centres	
Fixings	Slate nails (30 x 2,65mm)	
	Copper disc rivets (19mm dia. x 2mm stem)	
Fittings screws	14 gauge self sealing	
Authority	BS EN 492	

* Marley Eternit fibre cement slates meet the strength requirement of BS EN 492, achieving an average bending movement greater than 50 NM/M (Class B). The slates also have a minimum density of 1700 kg/m³ and a nominal thickness of 4mm.

** The minimum recommended pitch and lap may be influenced by special circumstances, please contact the Technical Advisory Service.



Properties and performance

Features of fibre cement slates

- > Low pitch options down to 15°
- > Can achieve an A+ rating in the BRE Green Guide
- > Low carbon footprint of 13 CO₂e/m²
- > BES 6001 certified
- > Proven in application to last in excess of 60 years
- > Clean, low energy production process
- > Fully recyclable

Authority

Fibre cement slates are manufactured in accordance with a quality management system registered by BSI to BS EN ISO 9001 'Quality Management Systems requirements' for products manufactured to BS EN 492 'Fibre cement slates and fittings – Product specification and test methods'.

Fibre cement slates are also designed to meet the relevant performance requirements of BS 5534 'Code of practice for slating and tiling (including shingles)'.

Additionally, the manufacturing location operates an environmental management system, registered with the BSI as meeting the requirements of BS EN ISO 14001 'Environmental management systems – Specification with guidance for use' and Health and Safety Standard OHSAS 18001.

The range of Marley Eternit blue/black fibre cement slates have been tested by Birmingham City Council Laboratories and approved for use on Birmingham City Council projects.

Fibre cement slates are also rated 'Very Good' to BES 6001 Framework Standard for Responsible Sourcing of Construction Products.

Batch coding

In accordance with the requirements of the product standard EN492: 2012, a manufacturing code is marked on the underside of a minimum of 15% of slates in the following format (e.g. T 2 14 20 C1 NT) – where the first character signifies the factory of origin; the second gives the specific coating line used; the next 6 characters denote the year, week and shift of manufacture as well as product type; The code ends with "NT".

Anatomy of Rivendale fibre cement slate

Clear wax coating on underside

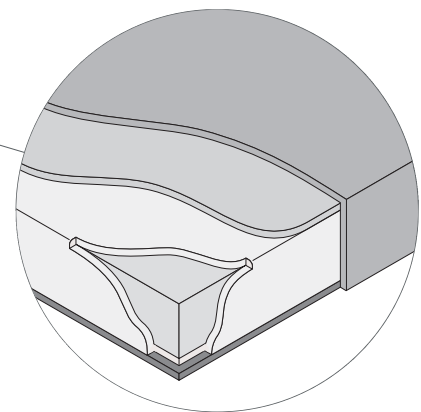
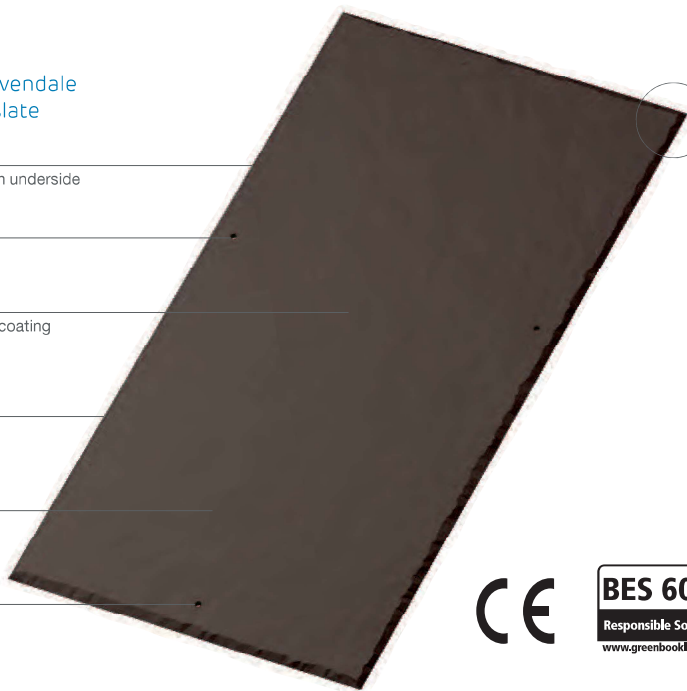
Nail hole

UV-resistant acrylic coating






Dressed or square edges

Flat or riven surface

Tail rivet hole



Fibre cement slate coatings

- | | | | |
|---------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------|-------------------------|
|  | UV-resistant acrylic coating |  | Fibre cement base sheet |
|  | Primer coating |  | Clear wax coating |
|  | Secondary coating (cement/pigment/iron oxide) | | |

