



Slates

Marley Eternit

As one of the industry's foremost innovators for over 100 years, Marley Eternit has done more than any other manufacturer to shape the roofscape of modern Britain.

From familiar regional styles to the radically modern, urban or rural, new build or refurbishment, Marley Eternit offers the specifier a comprehensive selection of complete pitched roofing solutions.

- Plain tiles
- Fibre cement slates
- Interlocking slates
- Interlocking tiles
- Dry fix and ventilation systems
- Fittings and accessories
- SolarTile®

Information for all these products is available on request. Visit www.marleyeternit.co.uk or call 01283 722588.

A+

Manufactured in the UK, only Marley Eternit's fibre cement slates can achieve an A+ rating for the lowest environmental impact in the Green Guide to Specification.

“The appearance of the slated roof has been part of the built environment since time immemorial.

As well as adorning some of the nation's most important historic buildings and being a staple of vernacular architecture in many parts of the UK, slated roofs are used increasingly in design-led projects for the commercial, public, leisure and retail sectors.

”

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The Marley Eternit slate range

The Marley Eternit slate range provides the charm of a slated roof with all the economical, functional and environmentally friendly attributes of modern slate technology.

Fibre cement slates – light in weight, strong and durable – closely resemble the natural material without compromising aesthetics and economy.

Marley Eternit fibre cement slates are the only fibre cement slates manufactured in the UK, so can therefore achieve an A+ (the lowest environmental impact) in the Building Research Establishment's Green Guide to Specification. An A+ can be achieved using both Marley Eternit's fibre cement and concrete interlocking slates.

The interlocking concrete slate range offers single lap slating solutions that are quick and easy to install and replicate the appearance of the natural material. Both ranges offer durability, versatility and appeal.

Both ranges are complemented by a comprehensive range of ventilation and dry fix systems, underpinned by first class Customer and Technical services.

Authority

Marley Eternit concrete roof tiles and slates are Kitemark certified as being manufactured to the requirements of BS EN 490. All Marley Eternit factories operate quality management systems to BS EN ISO 9001. They also operate systems which meet BS EN ISO 14001 for Environmental Management and BS OH SAS 18001 for Health and Safety.

Marley Eternit fibre cement slates are Kitemark certified as being manufactured to the requirements of BS EN 492.

Marley Eternit Melbourn resin bonded interlocking slates have been awarded BBA Certificate 00/3702.



EMS 56790

Healthcare and education



Rivendale Blue/Black, Mill Rise Healthcare Centre

Thrutone Blue/Black, Todlaw assisted living



Garsdale Blue/Black, Royal Albert Edward Hospital, Wigan





Thrutone Blue/Black, Canon Popham Primary School, Doncaster (photography: Helene Binet)

The wide ranging performance and aesthetic requirements for healthcare and educational buildings are easily met by Marley Eternit slates which create durable, low maintenance solutions with trusted longevity.



Rivendale Blue/Black, Portfield Special School, Haverfordwest

Commercial

From supermarkets to sports centres, slates can be used to create unique roofing solutions that can incorporate sleek modern lines as easily as those of vernacular character.

Thrutone Blue/Black, Guildford



Edgemere Smooth Grey, Etap hotel, Derby



Thrutone Blue/Black, BMW showroom, Gloucester

Housing

Marley Eternit slates combine well with period or contemporary modern building materials to give unique visual character to roofs and walls for many individual or large scale residential projects.



Meibourm, Fishing Village, Porthishead



Rivendale Blue-Black, Machynys Village, Wales



Rivendale Blue/Black, Old St Mellons, Wales

Rivendale

Fibre cement slates



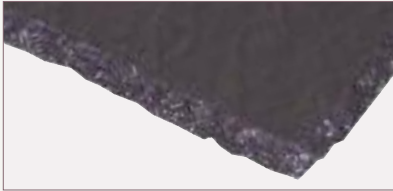
Rivendale Blue/Black, Portfield Special School, Haverfordwest

A finely detailed surface and dressed edges that together reproduce the attractive appearance of natural slate.



Rivendale fibre cement slates have excellent environmental credentials and can achieve up to an A+ rating in the Building Research Establishment's Green Guide to Specification.

Rivendale edge profile & colour availability



*Made to order

→ Samples

web marleyeternit.co.uk/samples
Tel 01283 722588



BS EN 492

Technical data

| | |
|---|--------------------------------|
| Size of slate | 600mm x 300mm |
| Minimum pitch (100mm lap)* | |
| Moderate exposure | 22.5° |
| Severe exposure | 25° |
| Minimum pitch (110mm lap)* | |
| Moderate exposure | 20° |
| Severe exposure | 22.5° |
| Maximum pitch | 90° |
| Typical laps (mm) | 100, 110 |
| Maximum gauge | 245-250mm |
| Covering capacity (net slates/m ²) | |
| 100mm lap | 13.4 |
| 110mm lap | 13.6 |
| Weight of slating (approx. kg/m ²) | |
| 100mm lap | 20.4 (0.20 kN/m ²) |
| 110mm lap | 20.9 (0.20 kN/m ²) |
| Battens required (net lin.m/m ²) | |
| 100mm lap | 4.00 |
| 110mm lap | 4.08 |
| 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. | |
| Slate nails | 30mm x 2.65mm |
| (Copper to BS 1202-2) | |
| Copper disc rivets | required |
| Authority | BS EN 492 |

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



Rivendale Blue/Black, Churchill Homes, Aberdeenshire



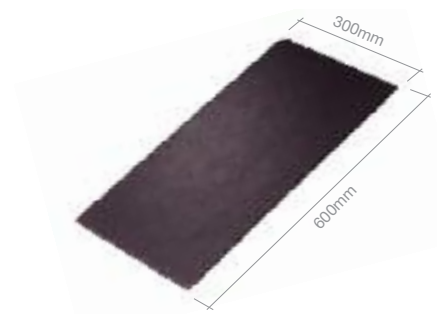
Rivendale Blue/Black, Old St Mellons, Wales



Rivendale Blue/Black, Regency Walk, Cheltenham

Birkdale

Fibre cement slates



Technical data

| | |
|---|--|
| Size of slate | 600mm x 300mm |
| Minimum pitch (100mm lap)* | |
| Moderate exposure | 22.5° |
| Severe exposure | 25° |
| Minimum pitch (110mm lap)* | |
| Moderate exposure | 20° |
| Severe exposure | 22.5° |
| Maximum pitch | 90° |
| Typical laps (mm) | 100, 110 |
| Maximum gauge | 245-250mm |
| Covering capacity (net slates/m ²) | |
| 100mm lap | 13.4 |
| 110mm lap | 13.6 |
| Weight of slating (approx. kg/m ²) | |
| 100mm lap | 20.4 (0.20 kN/m ²) |
| 110mm lap | 20.9 (0.20 kN/m ²) |
| Battens required (net lin.m/m ²) | |
| 100mm lap | 4.00 |
| 110mm lap | 4.08 |
| 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. | |
| Slate nails | 30mm x 2.65mm (Copper to BS 1202-2) |
| Copper disc rivets | required |
| Authority | BS EN 492 |

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



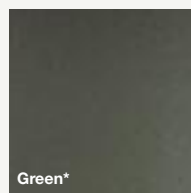
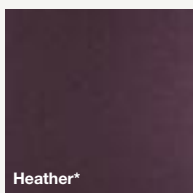
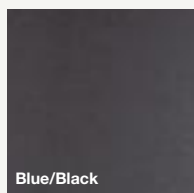
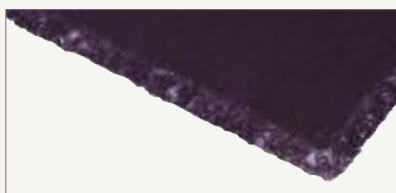
Birkdale Blue/Black, Hayden End, Swindon

A smooth surface and dressed edges offer a traditional and pleasing look.



Birkdale fibre cement slates have excellent environmental credentials and can achieve up to an A+ rating in the Building Research Establishment's Green Guide to Specification.

Birkdale edge profile & colour availability



→ Samples

web marleyeternit.co.uk/samples
Tel 01283 722588

*Made to order



BS EN 492

Garsdale

Fibre cement slates



Garsdale Blue/Black, award-winning public housing, Steverage

A detailed surface and square edge closely resembles natural slate, but is easier and faster to install.

A+ Garsdale fibre cement slates have excellent environmental credentials and can achieve up to an A+ rating in the Building Research Establishment's Green Guide to Specification.

Technical data

| | |
|---|---------------------------------------|
| Size of slate | 600mm x 300mm |
| Minimum pitch (100mm lap)* | |
| Moderate exposure | 22.5° |
| Severe exposure | 25° |
| Minimum pitch (110mm lap)* | |
| Moderate exposure | 20° |
| Severe exposure | 22.5° |
| Maximum pitch | 90° |
| Typical laps (mm) | 100, 110 |
| Maximum gauge | 245-250mm |
| Covering capacity (net slates/m ²) | |
| 100mm lap | 13.4 |
| 110mm lap | 13.6 |
| Weight of slating (approx. kg/m ²) | |
| 100mm lap | 20.4 (0.20kN/m ²) |
| 110mm lap | 20.9 (0.20kN/m ²) |
| Battens required (net lin.m/m ²) | |
| 100mm lap | 4.00 |
| 110mm lap | 4.08 |
| 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. | |
| Slate nails | 30mm x 2.65mm (Copper to BS1202-2) |
| Copper disc rivets | required |
| Authority | BS EN 492 |

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

Garsdale edge profile & colour availability



→ Samples

web marleyeternit.co.uk/samples
Tel 01283 722588



BS EN 492

Thrutone

Fibre cement slates

Thrutone Blue/Black, commercial development, Guildford



A smooth surface and square cut edges give a low profile slate at an economical price which is particularly suited to complex roof geometries.



Thrutone fibre cement slates have excellent environmental credentials and can achieve up to an A+ rating in the Building Research Establishment's Green Guide to Specification.

Technical data

| Size of slate | 600mm x 300mm | 500mm x 250mm |
|---|-------------------------------|-------------------------------|
| Minimum pitch (100mm lap)* | | |
| Moderate exposure | 22.5° | 22.5° |
| Severe exposure | 25° | 25° |
| Minimum pitch (110mm lap)* | | |
| Moderate exposure | 20° | – |
| Severe exposure | 22.5° | – |
| Maximum pitch | 90° | 90° |
| Typical laps (mm) | 100, 110 | 100 |
| Maximum gauge | 245-250mm | 200mm |
| Covering capacity (net slates/m ²) | | |
| 100mm lap | 13.4 | 20.0 |
| 110mm lap | 13.6 | – |
| Weight of slating (approx. kg/m ²) | | |
| 100mm lap | 20.4 (0.20kN/m ²) | 21.3 (0.21kN/m ²) |
| 110mm lap | 20.9 (0.20kN/m ²) | – |
| Battens required (net lin./m ²) | | |
| 100mm lap | 4.00 | 5.00 |
| 110mm lap | 4.08 | – |
| 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. | | |
| Slate nails (Copper to BS1202-2) | 30mm x 2.65mm | |
| Copper disc rivets | required | |
| Authority | BS EN 492 | |

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



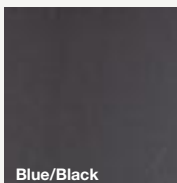


Thrutone Blue/Black, Todlaw assisted living, (photography: Angus Bremner)

Thrutone edge profile & colour availability



BS EN 492



Blue/Black

→ Samples

web marleyeternit.co.uk/samples
 Tel 01283 722588

Melbourn Interlocking slates

Melbourn, Fishing Village, Portishead



Melbourn colour availability



Melbourn Grey (R)

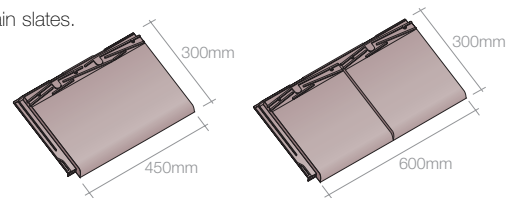
→ Samples

web marleyeternit.co.uk/samples
Tel 01283 722588

Key (R) Riven finish

Melbourn fittings

To match main slates.

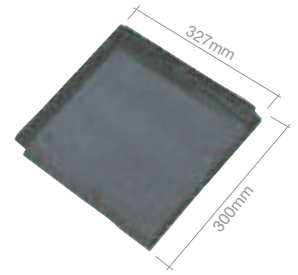




Melbourn, Maidstone, Kent



Melbourn, Fishing Village, Portishead



A lightweight product that closely resembles natural slate, but is easier and faster to install.

A

Melbourn interlocking slates have excellent environmental credentials and can achieve up to an A rating in the Building Research Establishment's Green Guide to Specification.



Certificate No 00/3702
(Melbourn interlocking slates)

Technical data

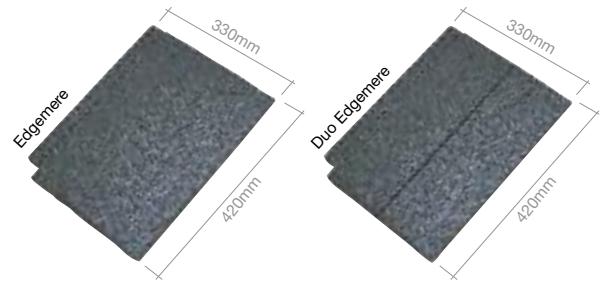
| | |
|-----------------------------|--|
| Size of slate | 300mm x 327mm |
| Effective cover | 300mm x 250mm |
| Minimum pitch* | 15° |
| Maximum pitch | 90° |
| Minimum headlap | 50mm (20° and above) 65mm (below 20°) |
| Maximum gauge | 250mm (50mm headlap) 235mm (65mm headlap) |
| Cover width | 300mm (nominal) |
| Hanging length | 296mm (nominal) |
| Covering capacity (net) | 13.3 slates/m ² at 50mm headlap 14.2 slates/m ² at 65mm headlap |
| Weight of slating (approx.) | 15.3kg/m ² (0.15 kN/m ²) at 50mm headlap 16.5kg/m ² (0.16 kN/m ²) at 65mm headlap |
| Battens required (net) | 4.0 lin.m/m ² at 50mm headlap 4.4 lin.m/m ² at 65mm headlap |
| Batten size recommended | 50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534) |
| Slate nails | 35mm x 2.65mm stainless steel ring shank |
| Fixing clips | Eaves, verge and valley clips |
| Authority | Agreement Certificate No. 00/3702 |

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

Melbourn should be laid broken bond. The required broken bond pattern is created by the introduction of slate-and-a-half slates to form verges in alternate courses.

All Melbourn slates laid on roof pitches 15°-24° should be twice nailed and on roof pitches 25°-90° should be twice nailed in accordance with the recommended fixing procedure. This specification is the minimum requirement and should be confirmed for specific projects by contacting the Technical Advisory Service.

Edgemere & Duo Edgemere Interlocking slates



Technical data

| | |
|--|---|
| Size of slate | 420mm x 330mm |
| Minimum pitch* | 22.5° Smooth (75mm headlap) 17.5° Smooth (100mm headlap) |
| Maximum pitch | 90° |
| Minimum headlap | 75mm (22.5° and above) 100mm (below 22.5°) |
| Maximum gauge | 345mm |
| Profile depth | d < 5mm |
| Cover width | 298mm (nominal) |
| Hanging length | 395mm (nominal) |
| Covering capacity (net) | 9.7 slates/m ² at 75mm headlap 10.5 slates/m ² at 100mm headlap |
| Weight of slating (approx.) | 44kg/m ² (0.43 kN/m ²) at 75mm headlap 47.5kg/m ² (0.47 kN/m ²) at 100mm headlap |
| Battens required (net) | 2.9 lin.m/m ² at 75mm headlap 3.1 lin.m/m ² at 100mm headlap |
| 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 |
| Slate nails | 45mm x 3.35mm |
| Fixing clips | Eaves, verge and slate clips |
| Authority | BS EN 490 |

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



Edgemere Smooth Grey

Edgemere

A clean and precise slate-like appearance is enhanced by the thin leading edge and the broken-bond laying technique.

Edgemere should be laid broken bond. The required broken bond pattern is created by the introduction of half slates, to form verges in alternate courses.

Duo Edgemere

An interlocking slate designed to look like and blend in with small format slates.

Duo Edgemere should be laid a quarter broken bond. The required broken bond pattern is created by the introduction of three quarter width slates, cut from standard slates on site to form verge slates in alternate courses.



Edgemere and Duo Edgemere interlocking slates have excellent environmental credentials and can achieve up to an A+ rating in the Building Research Establishment's Green Guide to Specification.

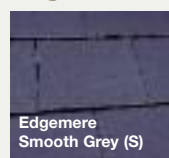
Edgemere fittings

Available in all colours to match main slates.

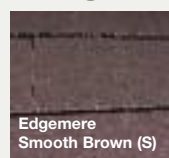


BS EN 490

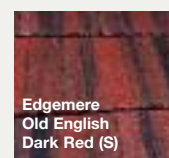
Edgemere & Duo Edgemere colour availability



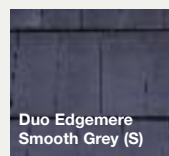
Edgemere
Smooth Grey (S)



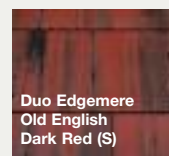
Edgemere
Smooth Brown (S)



Edgemere
Old English
Dark Red (S)



Duo Edgemere
Smooth Grey (S)



Duo Edgemere
Old English
Dark Red (S)

→ Samples

web marleyeternit.co.uk/samples

Tel 01283 722588

Key (S) Smooth finish

Ventilation & dry fix systems

Marley Eternit ventilation systems

To assist the designer in meeting the requirements of the Building Regulations, Marley Eternit has developed a range of ventilation accessories that combine discreet and aesthetic solutions with the highly efficient removal of moisture-laden air and gases.

This comprehensive range is designed to ventilate roof voids with terminals for the ridge and roof, with connection to mechanical extract systems, gas flues and soil vent pipes, allowing easy provision of precise amounts of free airspace.

Available systems:

- Universal eaves ventilation systems (10 and 25mm)*
- Universal tile vent*
- Universal RidgeFast*
- Universal HipFast*
- Universal fibre cement ridge roll
- Ventilated dry ridge and mono ridge
- Ridge vent terminals
- Tile vent terminals
- In-line vents

Marley Eternit dry fix systems

To improve the speed and economy of roof construction, a choice of high performance, maintenance-free dry fix systems are offered to suit ridge, verge, hip and valley details providing easy to fix alternatives to traditional mortar bedding.

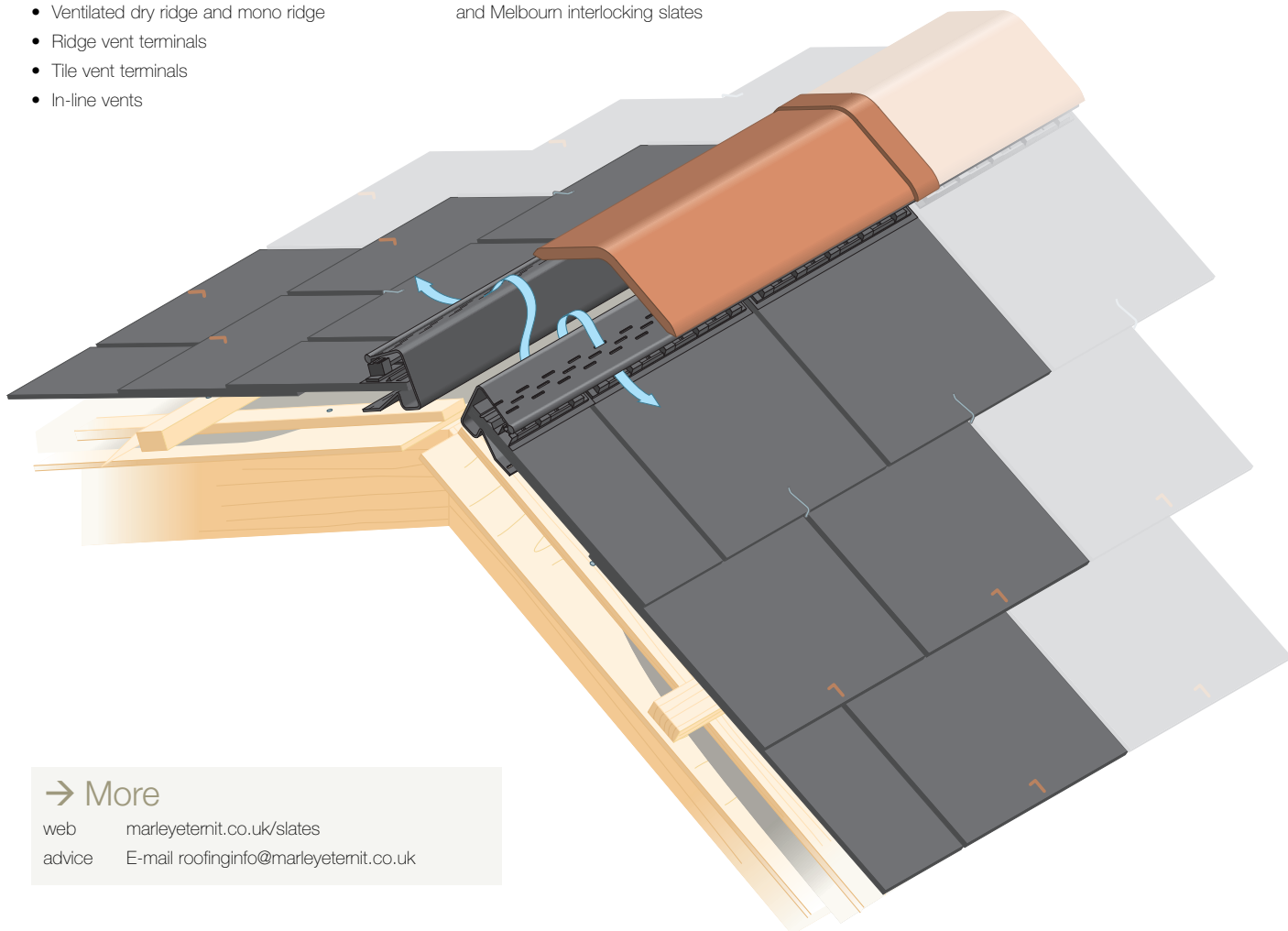
When correctly installed, they are designed to satisfy the requirements of BS 5534 'Code of practice for slating and tiling' with respect to the mechanical fixing of roof fittings to resist wind uplift and the provision of a weathertight roof.

Available systems:

- Universal RidgeFast*
- Universal HipFast*
- Dry ridge and mono ridge
- Edgemere dry verge
- Dry hip
- GRP dry valley
- Slate verge trim for fibre cement slates and Melbourn interlocking slates

* UNIVERSAL

Universal systems are designed to be compatible with tiles and slates used in the roofing industry.



→ More

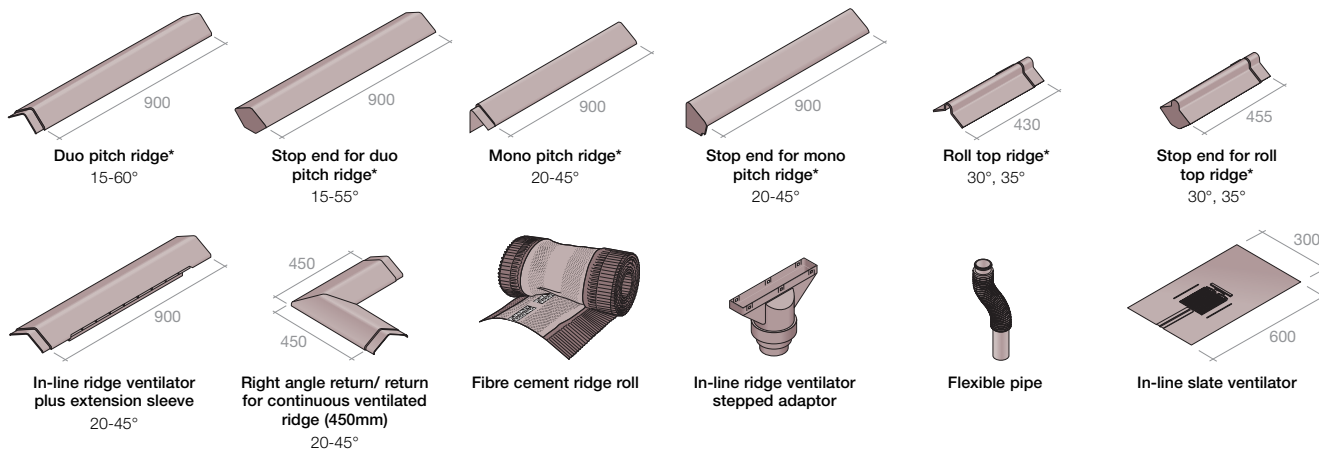
web marleyeternit.co.uk/slates
advice E-mail roofinginfo@marleyeternit.co.uk

Fittings and accessories

Fibre cement fittings for use with fibre cement slates

Available in Blue/Black.

* 6m ventilated ridge roll is available to provide continuous ventilation.



Relative pitches of fibre cement ridge and hip cappings

| | | | | | | | | | | |
|---|-----|-------|-------|-------|-----|-----|-----|-----|-----|-----|
| Design pitch main roof | 20° | 22.5° | 25° | 27.5° | 30° | 35° | 40° | 45° | 50° | 55° |
| Pitch of ridge cappings | 20° | 25° | 25° | 30° | 30° | 35° | 40° | 45° | 50° | 55° |
| Effective pitch at hip | 14° | 15° | 17.5° | 19° | 20° | 24° | 27° | 30° | 33° | 35° |
| Recommended pitch of duo pitch hip cappings | 15° | 15° | 20° | 20° | 20° | 25° | 30° | 30° | 35° | 35° |

The above table assumes that pitches on each side are identical and that slopes intersect at right angles on plan.

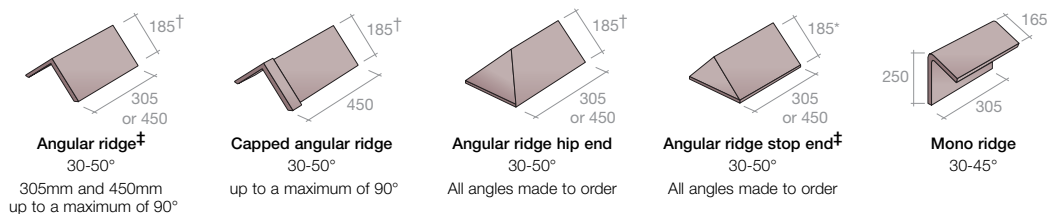
Clay ridges, hips and valleys for use with fibre cement slates

Available in a range of colours and angles. Security fixing is available for all ridges.

For details of the full range of hips and valleys, please contact the Technical Advisory Service.

† Angle ridge wing length will vary depending on ridge angle.

‡ To provide a continuous ventilated ridge, use with Universal RidgeFast.

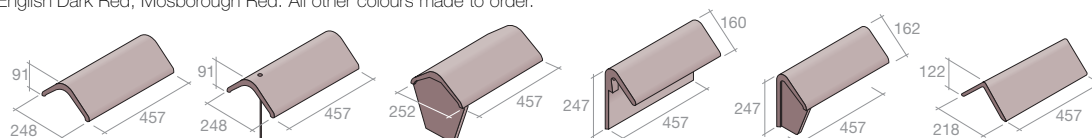


→ More

web marleytermit.co.uk/slates
 advice E-mail roofinginfo@marleytermit.co.uk

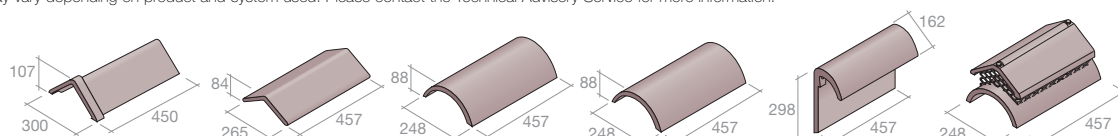
Concrete fittings for use with fibre cement and interlocking slates

Available in a range of colours. Crested ridges and finials are available in Smooth Grey, Smooth Brown, Old English Dark Red, Mosborough Red. All other colours made to order.

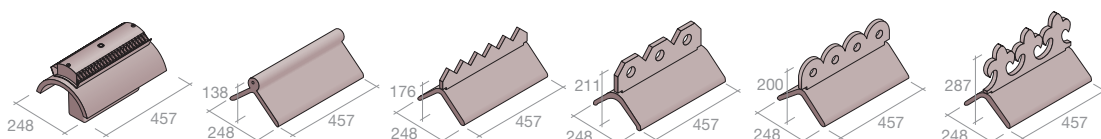


| Description | Modern ridge | Modern security ridge | Modern block end ridge | Modern mono ridge | Modern mono block end ridge | 90° Angle/Security angle ridge |
|-----------------------------------|------------------|-----------------------|------------------------|-------------------|-----------------------------|--------------------------------|
| Pitch range** | 15-55° dry ridge | 15-45° bedded | 15-55° dry ridge | 15-45° bedded | 15-45° | 45-50° |
| For use with | | | | | | |
| Fibre cement slates | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Interlocking slates | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Can be used with | | | | | | |
| Ventilated dry ridge system | ✓ | - | ✓ | - | - | - |
| Dry hip system | ✓ | - | ✓ | - | - | - |
| Universal RidgeFast (see page 17) | ✓ | - | ✓ | - | - | ✓ |
| Universal HipFast (see page 17) | ✓ | - | - | - | - | - |

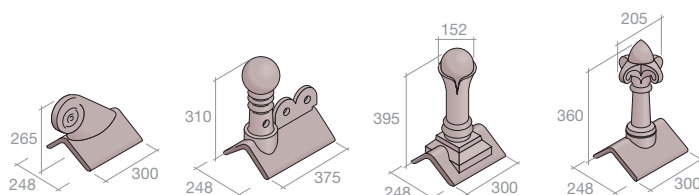
** Maximum pitch may vary depending on product and system used. Please contact the Technical Advisory Service for more information.



| Description | 105° Capped angle ridge Also available: 125° Capped angle ridge/hip | 125° Angle/ Security angle ridge/hip Also available: 145° Angle ridge/hip and Security 145° angle ridge/hip | 1/3 round hip tile (use with segmental ridge only) | Segmental ridge | Segmental mono ridge | Gas vent ridge terminal Also available: Gas vent ridge for condensing boilers (use with concrete ridges only) |
|-----------------------------------|---|---|--|------------------|-------------------------|---|
| Pitch range | 15-45° 15-25° | 15-25° 15-22.5° | 17.5-45° dry ridge | 15-55° dry ridge | 15-55° dry ridge | 15-55° dry ridge |
| For use with | | | | | | |
| Fibre cement slates | ✓ | ✓ | - | ✓ | ✓ | ✓ |
| Interlocking slates | ✓ | ✓ | - | ✓ | ✓ | ✓ |
| Can be used with | | | | | | |
| Ventilated dry ridge system | - | - | - | ✓ | ✓ | - |
| Dry hip system | - | - | ✓ | - | - | - |
| Universal RidgeFast (see page 17) | - | ✓ | ✓ | ✓ | - | ✓ |
| Universal HipFast (see page 17) | - | ✓ | ✓ | - | - | - |



| Description | Ridge vent terminal | Roll top ridge | Cocks comb ridge | Three hole ridge | Four hole bullnose ridge | Fleur-de-Lys ridge |
|-----------------------------------|---------------------|------------------|------------------|------------------|--------------------------|--------------------|
| Pitch range | 15-55° dry ridge | 15-55° dry ridge | 15-55° dry ridge | 15-55° dry ridge | 15-55° dry ridge | 15-55° dry ridge |
| For use with | | | | | | |
| Fibre cement slates | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Interlocking slates | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Can be used with | | | | | | |
| Ventilated dry ridge system | - | ✓ | ✓ | ✓ | ✓ | ✓ |
| Universal RidgeFast (see page 17) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |



| Description | Scroll end finial | Small ball top finial | Ball top finial | Fleur-de-Lys finial |
|-----------------------------|-------------------|-----------------------|------------------|---------------------|
| Pitch range | 15-55° dry ridge | 15-55° dry ridge | 15-55° dry ridge | 15-55° dry ridge |
| For use with | | | | |
| Fibre cement slates | ✓ | ✓ | ✓ | ✓ |
| Interlocking slates | ✓ | ✓ | ✓ | ✓ |
| Can be used with | | | | |
| Ventilated dry ridge system | ✓ | ✓ | ✓ | ✓ |

Fibre cement slates

Properties & performance

Fibre cement slates are made from a fully compressed fibre cement base sheet, protected with an acrylic coating. The material has many qualities making it an excellent choice for construction – it is inert, resistant to fire, chemicals and fungal growth, and has proven durability.



EMS 56790



BS EN 492

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)' and have been awarded British Board of Agrément Certificate No. 03/4002.

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.

Composition and manufacture

Fibre cement slates are manufactured from cement, water, selected cellulose and polymeric fibres, sheet formers and fillers which are all bonded together using the Hatschek rotational cylinder process. Slates are cut from formed base sheets, pressed and cured and in a separate process cured slates are sealed on the reverse, sprayed with an acrylic coating, cooled and stacked.

Performance

The slates are tested for resistance to wind driven rain and meet the requirements of BS 5534 'Code of practice for slating and tiling (including shingles)' with respect to windloading, when fixed in accordance with our recommendations.

Strength and durability

Fibre cement slates meet the strength requirements of BS EN 492, achieving an average bending moment greater than 50Nm/m (Class B). The slates also have a minimum density of 1800kg/m³ and a nominal thickness of 4mm.

Fire resistance

Fibre cement slates are non-combustible and considered 'deemed to satisfy without the need for further testing' in relation to the requirements for external fire performance when tested for fire protection and spread of flame to BS EN 1187 'Test methods for external fire exposure to roofs' (BS 476-3).

There are no restrictions on their use under the Building Regulations and they achieve a Class 1 surface spread of flame when tested to BS 476-7 and are classified Class O. A roof incorporating the slates is designated AA as referred to in Table 5, Appendix A of Approved Document B, 'Fire Safety'.

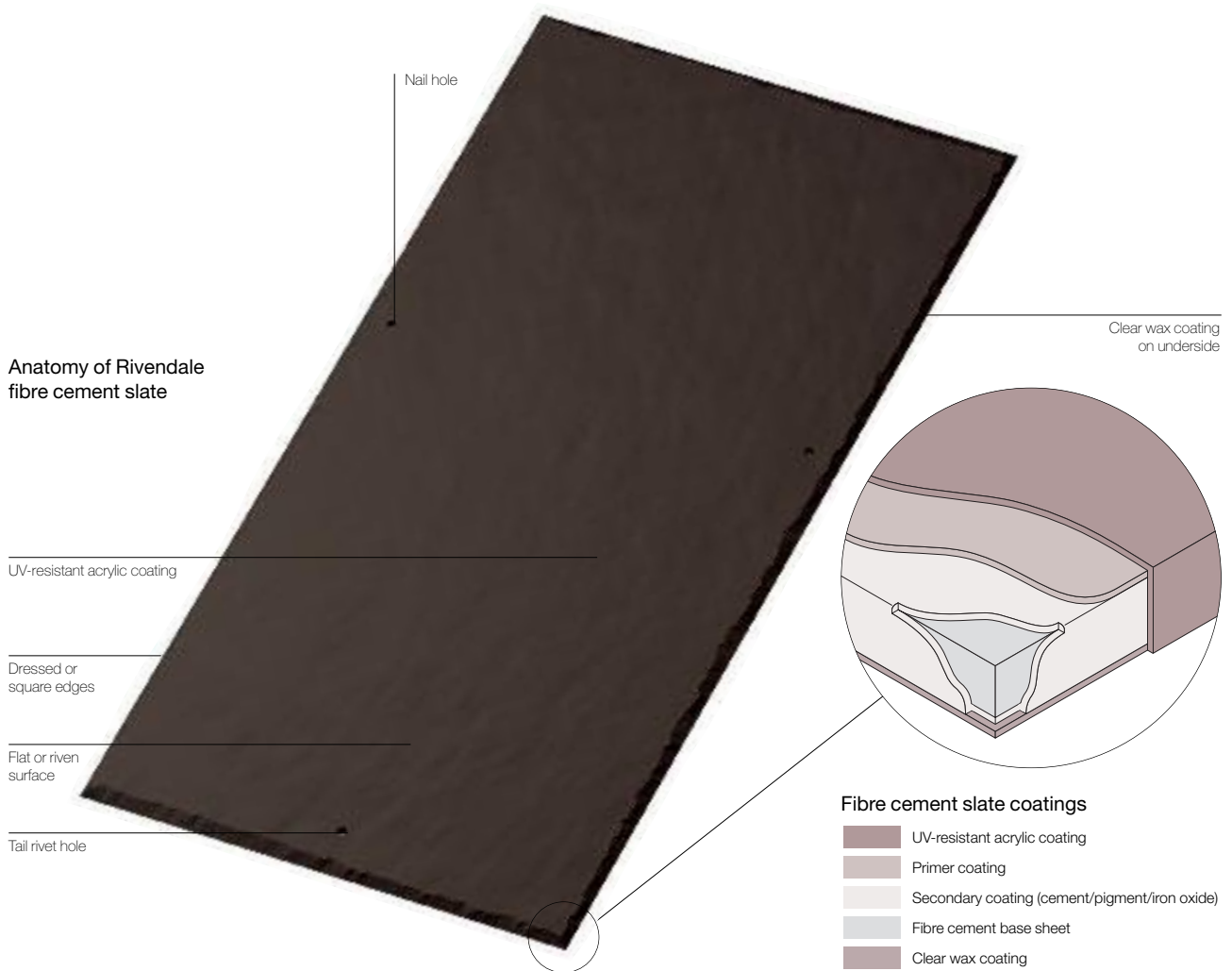
Environmental effects

Thermal

The thermal resistance (R) of fibre cement slates when dry is 0.011m²K/W.

For the purpose of thermal transmittance calculations, the 'R' values above should be substituted by a figure of 0.12m²K/W which includes the roof covering and airspace behind the tiles or slates. An 'R' value of 0.002m²K/W should be added for the roof underlay.

Anatomy of Rivendale fibre cement slate



Frost

Unaffected by frost and meets the requirements of BS EN 492.

Heat

After an initial period of stabilisation, slates are normally unaffected by the range of climatic temperatures (-20°C to +70°C). Slates should be laid with a gap of 5mm to accommodate any movement induced by changes in temperature and to facilitate the fitting of the tail rivet.

Sunlight

The acrylic coating used on the slate surface has good colour stability proven over long periods of exposure to UV and sunlight. Some lightening may occur over a period of exposure to sunlight and normal weathering, which may affect the surface coating. This gradual lightening is similar to that experienced with natural slate.

Atmospheric pollution

Suitable for most rural, marine and normal industrial environments. Avoid discharge of gases or liquids from chemical processes onto the surface of the slates.

Resistant to all but the most highly polluted atmospheres where sulphur dioxide levels exceed 70 microgrammes/m³ of air.

For advice on the suitability of application, please contact the Technical Advisory Service.

Electricity

Fibre cement slates are electronically insulating. Reference should be made to BS 6651 for recommendations on the protection of buildings against lightning strikes.

Biological effects

Birds and rodents

Not affected or degraded by birds, rodents or insects.






Mosses and lichens

Water absorption of the slates is around 18%. The growth of mosses and lichens may occur over time, but does not adversely affect their performance. The acrylic coating helps to inhibit organic growth on the surface for a period of 5 to 15 years. Removal may only be required if they affect the drainage of water from the roof.

Health and safety

When cutting slates, measures to reduce the effect of dust should be taken in accordance with the HSE Guidance Note EH 40 'Occupational Exposure Limits' and EH 44 'Dust in the workplace: general principles of protection'. For a copy of the fibre cement slates COSHH datasheet visit www.marleyeternit.co.uk/downloads

Fibre cement slate coatings

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

Fixing specification

Slates should be fixed in accordance with the recommendations of BS 5534. The Technical Advisory Service can provide a fixing specification, given the relevant criteria relating to type of slate, site location, topography, and building/roof dimensions. Fixing specifications can also be completed on line at www.marleyeternit.co.uk/tilefix

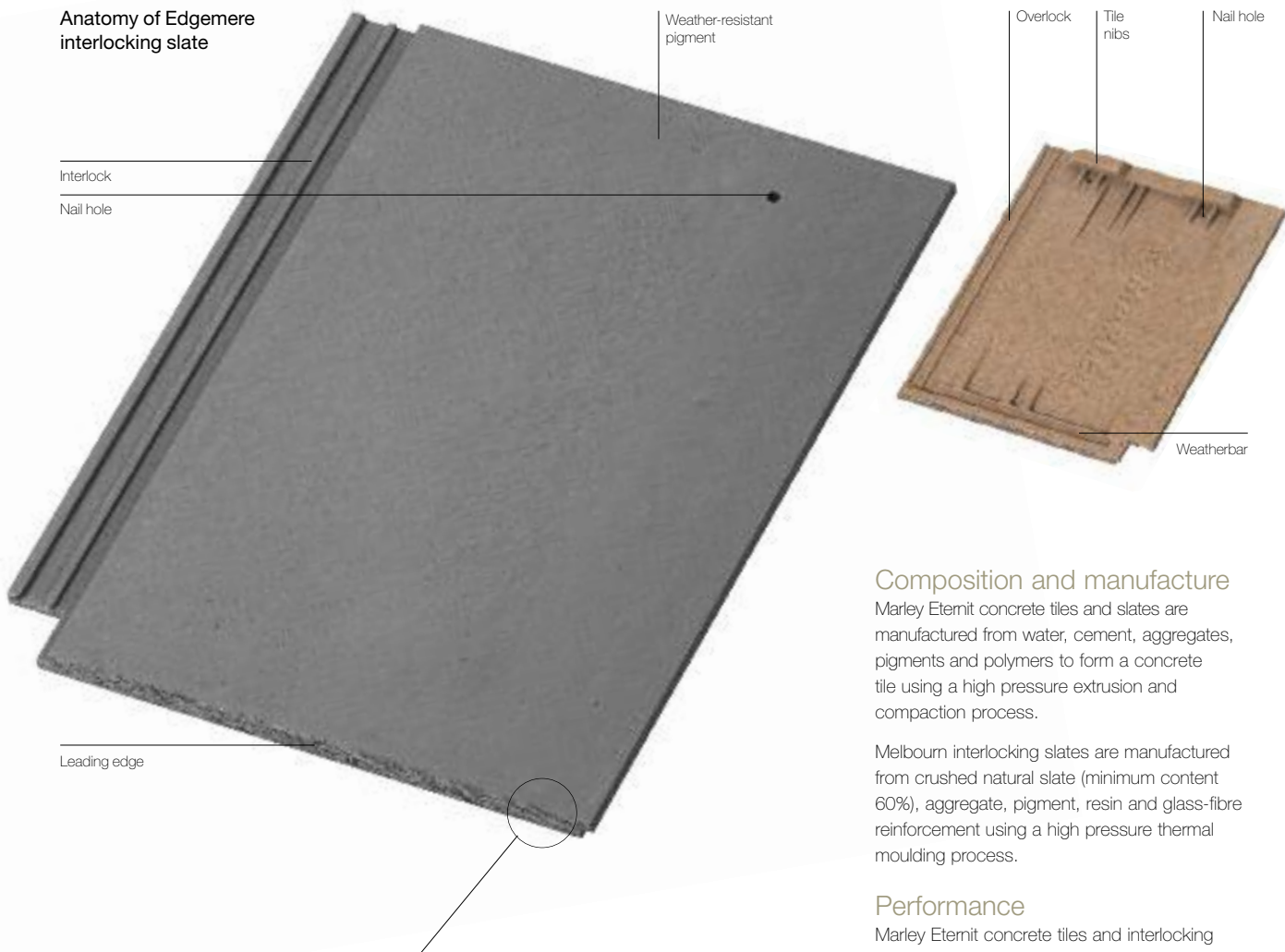
Marley Eternit Assured Roofing Specification Scheme (MARS)

Marley Eternit offer 15 years cover for design performance, fixing specification and product durability where our roof tiles and slates are used on roof designs that are included in the Marley Eternit Assured Roofing Specification Scheme, operated through our Technical Advisory Service.

Concrete tiles & interlocking slates

Properties & performance

Anatomy of Edgemere interlocking slate



Interlock

Nail hole

Weather-resistant pigment

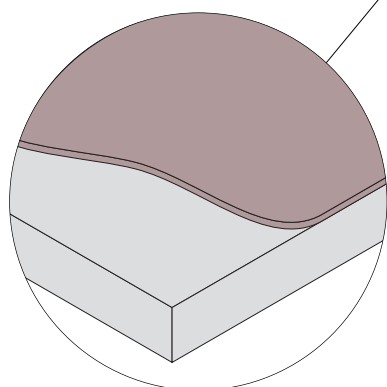
Overlock

Tile nibs

Nail hole

Weatherbar

Leading edge



Smooth faced tile composition

- Pigmented paint top coat
- Pigmented concrete body

Authority

Marley Eternit concrete roof tiles and slates are BSI (British Standards Institute) Kitemark certified as being manufactured to the requirements of BS EN 490 'Concrete roofing tiles and fittings – Product specifications', operating a quality management system meeting the requirements of ISO 9001 'Quality management systems – requirements'.

Melbourn reconstituted interlocking slates are designed to meet the relevant performance requirements of BS 5534 'Code of practice for slating and tiling (including shingles)' and have been awarded British Board of Agrément Certificate No. 00/3702.

Additionally, all manufacturing locations operate environmental management systems, 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.

Composition and manufacture

Marley Eternit concrete tiles and slates are manufactured from water, cement, aggregates, pigments and polymers to form a concrete tile using a high pressure extrusion and compaction process.

Melbourn interlocking slates are manufactured from crushed natural slate (minimum content 60%), aggregate, pigment, resin and glass-fibre reinforcement using a high pressure thermal moulding process.

Performance

Marley Eternit concrete tiles and interlocking slates are tested for resistance to wind driven rain and meet the requirements of BS 5534 'Code of practice for slating and tiling (including shingles)' with respect to wind loading, when fixed in accordance with our recommendations.

Strength and durability

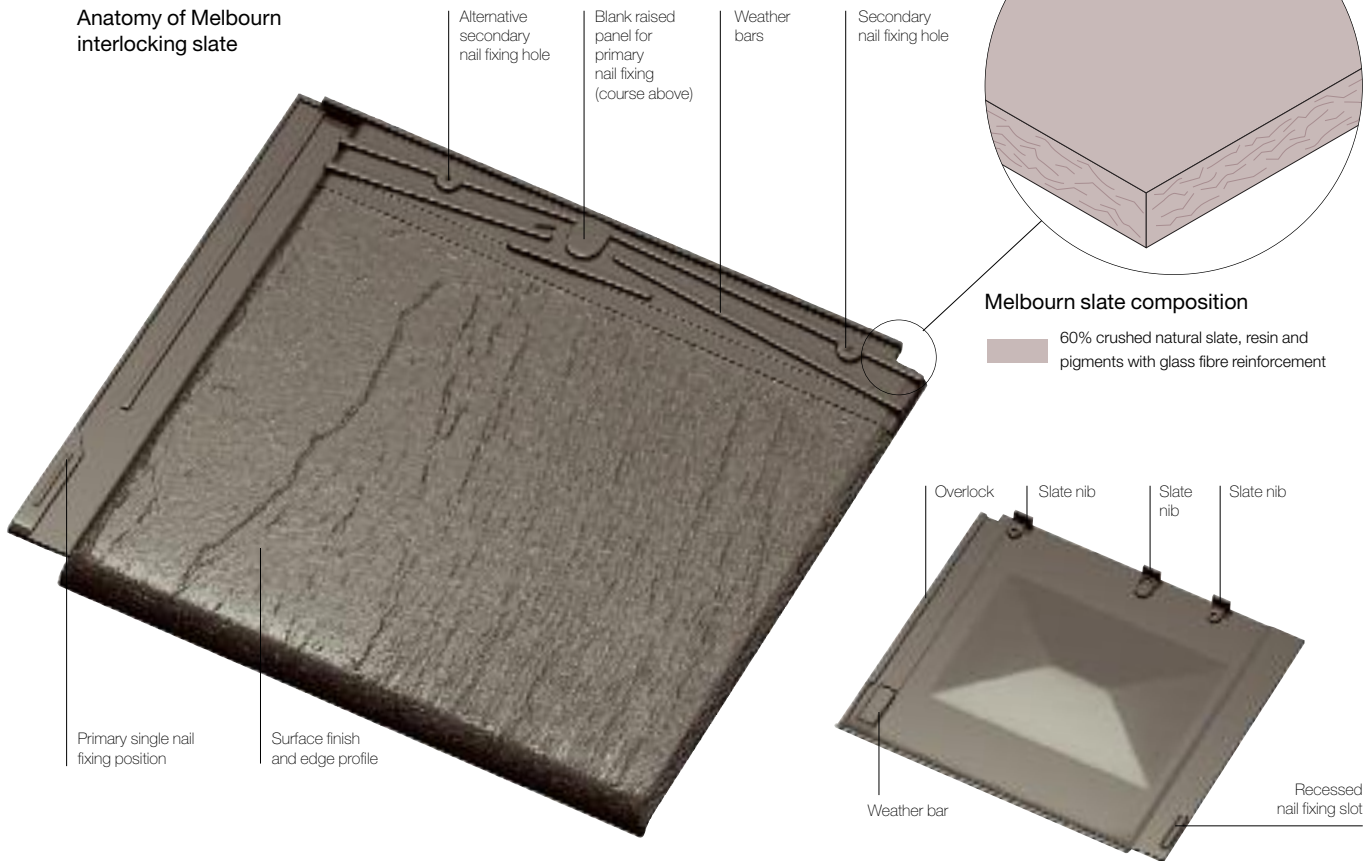
Marley Eternit concrete tiles exceed the minimum strength requirements of BS EN 490, do not delaminate and are extremely strong.

Melbourn interlocking slates do not delaminate and have excellent strength characteristics when tested for dynamic loadings.

Fire resistance

Marley Eternit concrete tiles are non-combustible and meet the requirements for external fire performance using test data from external exposure to roof tests (BS 476-3:2004) as defined in ENV 1187. There are no restrictions on their use under The Building Regulations and they are designated AA in Table 5 of Appendix A Approved Document B, 'Fire Safety'.

Anatomy of Melbourn interlocking slate



Melbourn interlocking slates have a Class 2 surface spread of flame when tested to BS 476-7 and a roof incorporating the slates is designated AA as referred to in Approved Document B, 'Fire Safety'. If used as an external wall cladding, they are suitable for walls less than 15m high and at a distance of 1m or more from any point on the relevant boundary, as defined in Approved Document B.

Environmental effects

Thermal

The thermal resistance (R) of Marley Eternit concrete tiles when dry is 0.012m²K/W.

The thermal resistance (R) of Melbourn interlocking slates when dry is 0.008m²K/W.

For the purpose of thermal transmittance calculations, the 'R' values above should be substituted by a figure of 0.12m²K/W which includes the roof covering and the airspace behind the tiles or slates. An 'R' value of 0.002m²K/W should be added for the roof underlay.

Frost

Marley Eternit concrete tiles and interlocking slates are highly resistant to frost, and meet the requirements of BS EN 490.

Sunlight

Marley Eternit concrete tiles and interlocking slates have exceptional colourfast qualities proven over long periods of exposure to UV and sunlight. Enhanced high performance polymer slurry coatings have extended resistance to UV degradation and loss of colour.

Atmospheric pollution

Marley Eternit concrete tiles and interlocking slates are suitable for all rural, marine and normal industrial environments. Avoid discharge of gases or liquids from chemical processes onto the surface of the tiles. Resistant to all but the most highly polluted atmospheres where sulphur dioxide levels exceed 70 microgrammes/m³ of air.

Electricity

Marley Eternit concrete tiles and interlocking slates are electronically insulating. Reference should be made to BS 6651 for recommendations on the protection of buildings against lightning strikes.

Biological effects

Birds and rodents

Not affected or degraded by birds, rodents or insects.

Mosses and lichens

The growth of mosses and lichens may occur over time, but does not adversely affect their performance. Removal may only be required if they affect the drainage of water from the roof.

Health and safety

When cutting tiles and slates using an angle grinder, measures to reduce the effect of dust should be taken in accordance with the HSE Guidance Note EH 40 'Occupational Exposure Limits', EH 44 'Dust in the workplace: general principles of protection' and HSE Guidance Note EH59/2 (Respiratory Crystalline Silica). For a copy of the Marley Eternit concrete tiles and slates COSHH datasheet visit www.marleyeternit.co.uk/downloads

Appearance

To avoid the risk of colour patching and bands of different shades, Marley Eternit concrete tiles and slates should be randomly selected from at least three separate pallets from the same production batch. Ensure there are sufficient quantities of mixed tiles to complete each roof elevation.

Fixing specification

Marley Eternit concrete tiles and interlocking slates should be fixed in accordance with the recommendations of BS 5534. The Marley Eternit Technical Advisory Service can provide a fixing specification, given the relevant criteria relating to type of roof tile or slate, site location, topography, and building/roof dimensions. Fixing specifications can also be completed on line at www.marleyeternit.co.uk/tilefix

Marley Eternit Assured Roofing Specification Scheme (MARS)

Marley Eternit offer 15 years cover for design performance, fixing specification and product durability where our roof tiles and slates are used on roof designs that are included in the Marley Eternit Assured Roofing Specification Scheme, operated through our Technical Advisory Service.



EMS 56790



BS EN 490



Certificate No 00/3702
(Melbourn interlocking slates)

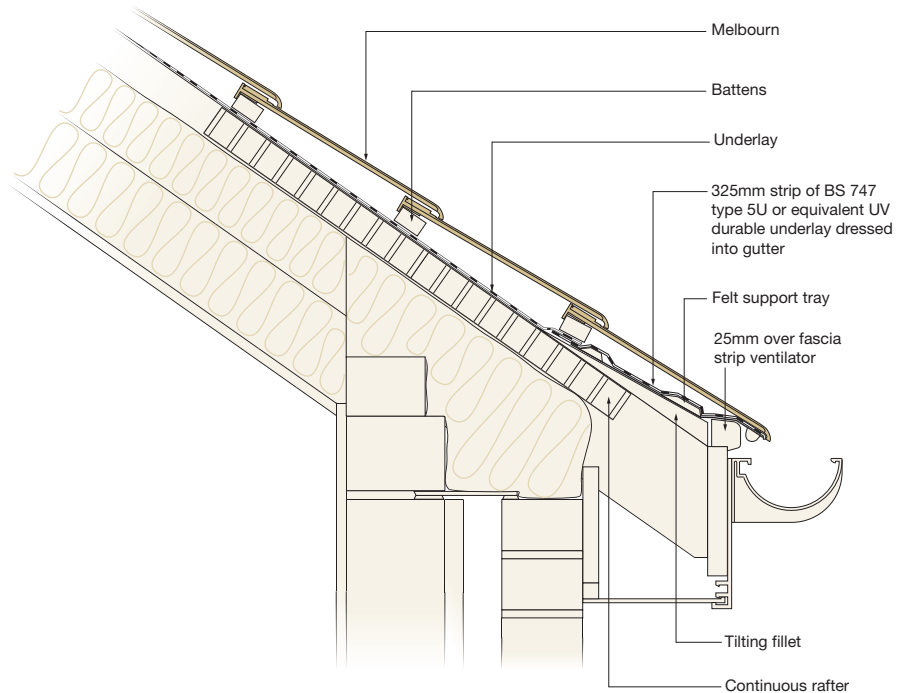
Design details

UNIVERSAL 25mm eaves ventilation system

Suitable for all slates.

- eaves ventilation to satisfy 25mm conditions
- eaves to ridge ventilation for pitches of 15°-50°
- continuous rafter roll compresses insulation to allow free air passage (use two rolls to compress deep insulation)
- strip ventilator has discreet ventilation grille and is nailed to fascia or timber fillet
- suitable with or without soffit board
- mechanically fix all slates at eaves

→ CAD detail 352

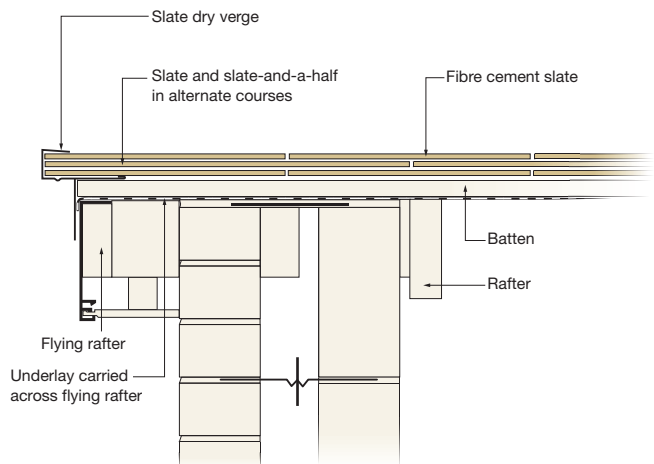


Slate verge trim

Suitable for fibre cement slates and Melbourn interlocking slates.

- suitable for dry verges with or without bargeboard
- not suitable for raking verges
- when used with timber sarking, ensure outer structure is brought up to underside of tiling battens
- extend battens to edge of bargeboard or brickwork

→ CAD detail 407

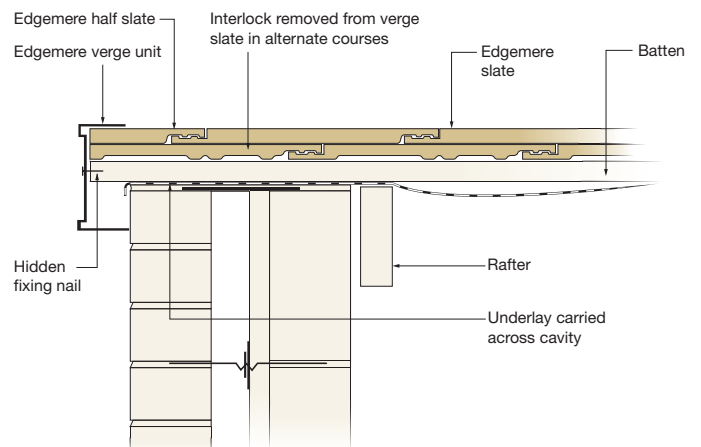


Edgemere dry verge

Suitable for Edgemere and Duo-Edgemere interlocking slates.

- maximum pitch for duo-pitch and mono-pitch roof is 55° (when used with steep-pitch dry ridge system)
- suitable for verges with or without bargeboard
- when using sarking, ensure outer wall or bargeboard is brought up to underside of tiling battens
- finish tiling battens 50mm beyond gable to a true line
- lay roof tiles with overhang of 40mm using tile shunt and/or half tiles as required
- at ridge/mono-ridge fit PVCu ridge end cap

→ CAD detail 413



→ CAD details

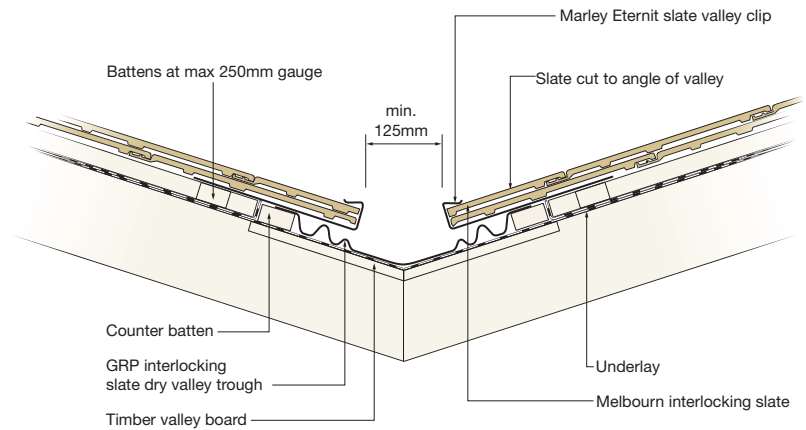
The numbers shown refer to the CAD details contained on the CD-Rom available with 'Pure Roofing'. Marley Eternit's comprehensive guide to good roofing practice.

For a copy of the CD-Rom, call 01283 722588 or visit www.marleyeternit.co.uk/cad

UNIVERSAL GRP dry valley trough for Interlocking slates

Suitable for Melbourn interlocking slates and fibre cement slates.

- minimum rafter pitch 22.5°
- suitable for all plan angles and where the pitch either side of the valley varies by a maximum of 5°
- provide continuous support for valley trough using timber lay boards inset between rafters
- form 125mm minimum gap between raking cut slates (for pitches below 35° or valley lengths over 5m please contact the Technical Advisory Service)
- clip all raking cut double slates to valley
- complete top of valley with a lead saddle

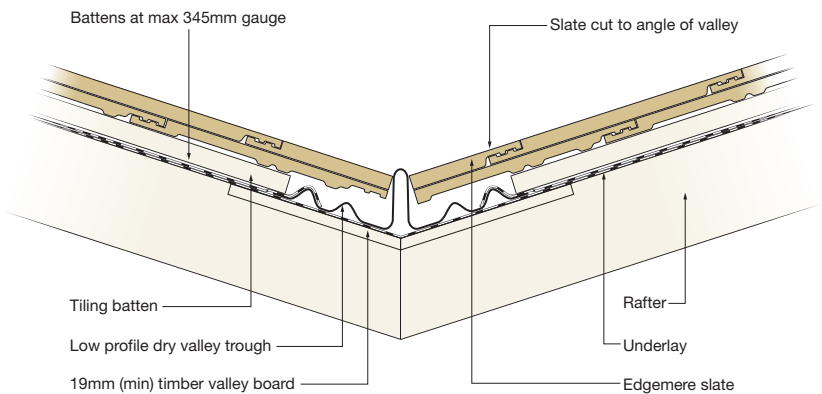


→ CAD detail 607

UNIVERSAL GRP dry valley (low profile)

Suitable for Edgemere interlocking slates.

- minimum rafter pitch 22.5°
- suitable for all plan angles and where the pitch either side of the valley varies
- provide continuous support for metal valley lining using timber lay boards inset between rafters with 4mm ply lining board over
- form 125mm minimum gap between raking cut slates
- carry metal lining into gutter at eaves. For rafter pitches below 25°, cut fascia board to maintain valley pitch
- cut double width slates to clean rake
- fix each raking cut double width slate with three nails and rivet(s)
- complete top of valley with a lead saddle



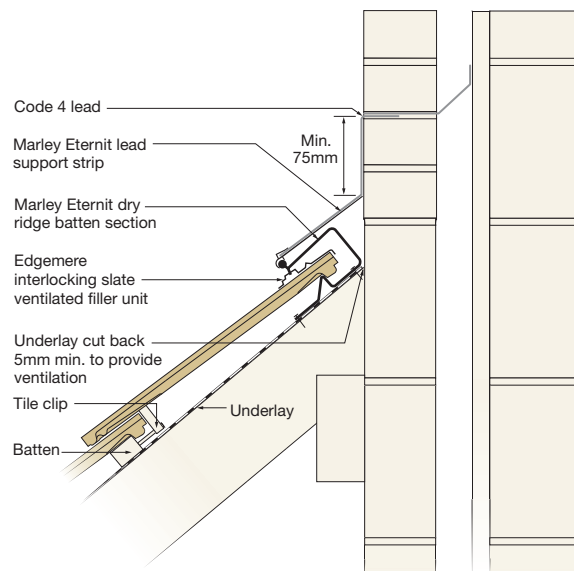
→ CAD detail 606

Abutment ventilation system

Suitable for Fibre cement slates and Melbourn, Edgemere and Duo Edgemere interlocking slates.

- maximum rafter pitch 45° (55° using steep pitch batten section)
- provides 5,000mm²/lin.m ventilation
- ensure air passage from roof void is not obstructed
- mechanically fix all top course slates
- use minimum 1.5m length of lead flashing with 150mm side laps

→ CAD detail 675



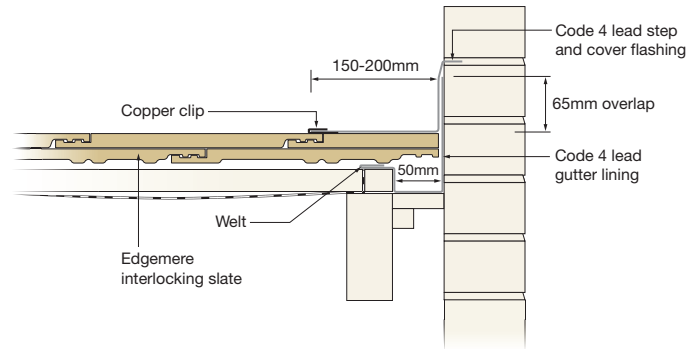
Design details

Side abutment (with step and cover flashing)

Suitable for Melbourn, Edgemere and Duo Edgemere interlocking slates.

- bring slates as close to abutment as possible
- use Code 4 lead step and cover flashing dressed over tiles by 150mm minimum
- secure edge of flashing with copper clip
- fix all slates adjacent to abutment

→ CAD detail 662

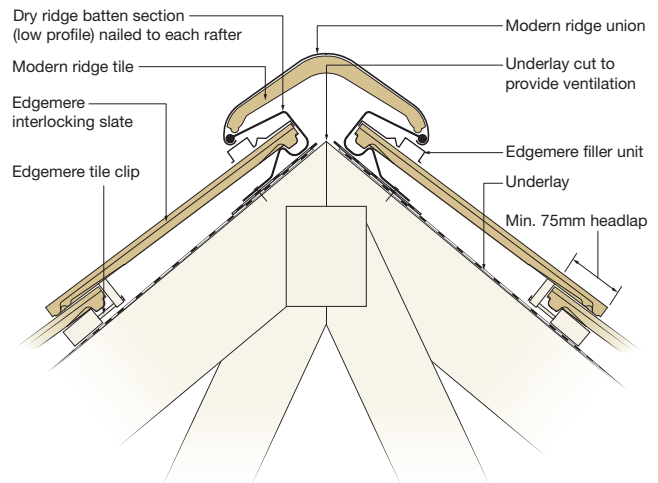


Ventilated dry ridge

Suitable for all slates (using Modern, Segmental and Crested concrete ridges).

- maximum rafter pitch 45° (55° with steep pitch ridge batten)
- provides 5,000mm²/m free vent area at ridge apex
- ensure gap is provided in roof underlay to vent roof void
- fix all top course slates
- mechanically fix each ridge tile via ridge unions
- complete ridge with dry ridge end cap or block end tile

→ CAD detail 701

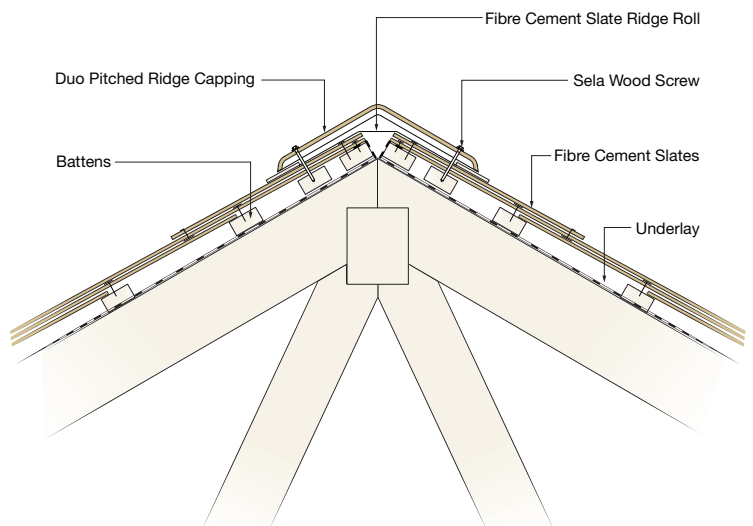


UNIVERSAL Ridge Roll for use with fibre cement slates and ridges

Suitable for all fibre cement slates with duo pitch ridges (15°, 20°, 25°, 30°, 35°, 40°, 45°, 50°, 55° and 60°).

- provides 5,000mm² free air space
- ensure gap is provided in roof underlay to vent roof void
- cut top two courses of slates as necessary from standard slates
- site drill two new holes for head nailing
- site drill ridge units and stop ends with 8mm dia. fixing holes
- mechanically fix using 64 x 6.35mm self-sealing woodscrews

→ CAD details 717/718



→ CAD details

The numbers shown refer to the CAD details contained on the CD-Rom available with 'Pure Roofing'. Marley Eternit's comprehensive guide to good roofing practice.

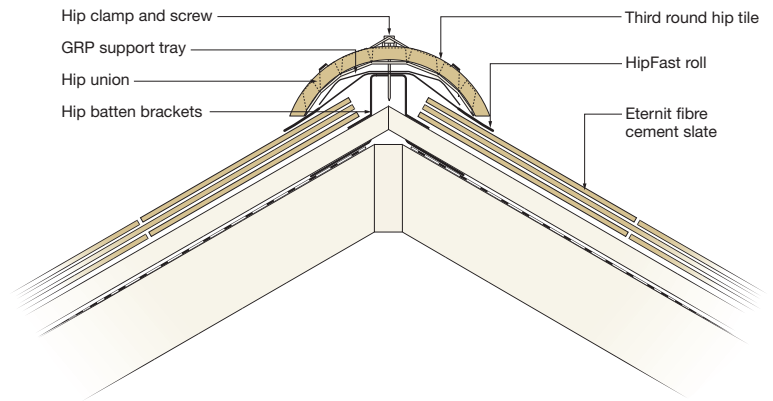
For a copy of the CD-Rom, call 01283 722588 or visit www.marleyeternit.co.uk/cad

UNIVERSAL HipFast system

Suitable for all slates.

- 50° maximum rafter pitch for Eternit fibre cement slates, 45° Melbourn, 50° Edgemere/Duo Edgemere.
- provides ventilation when used with a vapour permeable underlay, or 5mm gap in impermeable underlay
- use one or two thicknesses of 50mm x 25mm batten to fit batten brackets
- use block end hip tile at eaves
- mechanically fixes each hip tile via hip unions and clamps
- complete hip at ridge with soaker flashing

→ CAD detail 511

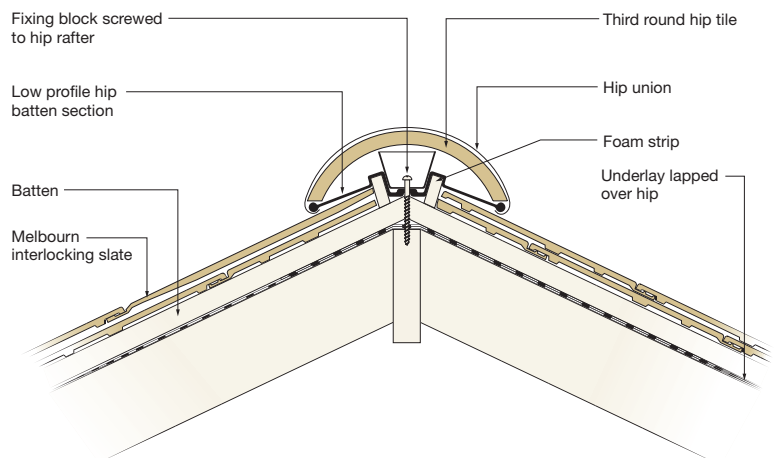


Dry hip

Suitable for Melbourn, Edgemere and Duo Edgemere interlocking slates.

- maximum rafter pitch 55° (45° when using dry ridge)°
- for hips with plan angle of 90° and where the pitch either side of the hip varies by a maximum of 5°
- for Melbourn, use double slates on each course either side of hip (at pitches over 45°, Slate-and-a-half may be used)
- secure PVCu batten section to hip tree or batten using screws and expansion joints
- mechanically fixes each hip tile to PVCu batten via hip unions
- complete hip at ridge with dry hip apex cap or lead saddle

→ CAD detail 507

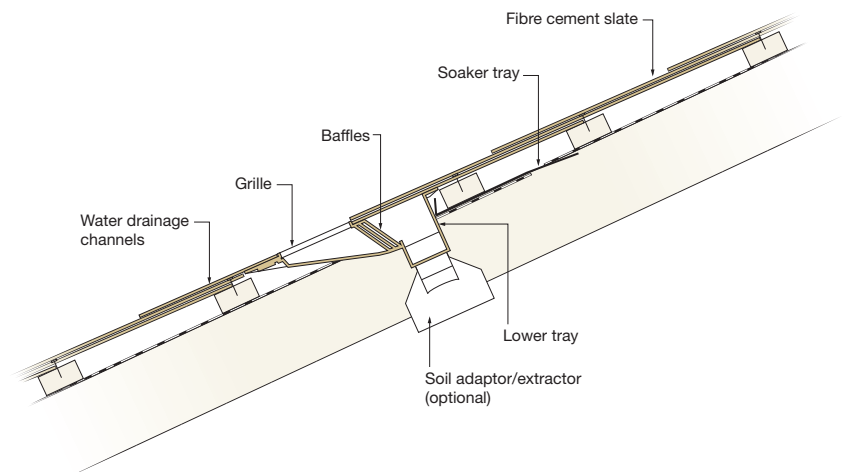


In-line fibre cement slate vent terminal

Suitable for all fibre cement slates.

- locate clear of rafters
- use soaker tray to weather hole in underlay for spigot
- locate at 2.0m centres for 5,000mm²/lin.m ventilation and 1.0m centres for 10,000mm²/lin.m ventilation
- use slate vent adaptor and flexible pipe for connection to 110mm dia. pipework as termination to mechanical extract or soil vent pipe
- do not use as exhaust for hot flue gases
- when used as extract for soil vent pipes, keep minimum 900mm above any opening into building within 3m

→ CAD detail 843/848



Assessing the sustainability of roof coverings



At Marley Eternit, we were among the first in the industry to achieve ISO 14001 accreditation, the internationally recognised environmental management standard.

All of our roof slates are able to achieve an A or A+ rating when used in those constructions specified in the new BRE 'Green Guide to Specification'.

The BRE Green Guide (www.thegreenguide.org.uk) contains a listing of building materials and components which are assessed in terms of their environmental impact across their entire life cycle – from 'cradle to grave', within comparable specifications.

The Green Guide contains more than 1200 specifications used in various types of building which examine the relative environmental impacts of the construction materials commonly used in six different generic types of building covering six sectors.

Materials and components are arranged on an 'building element' basis so that designers and specifiers can compare and select comparable systems or materials that may be used in, say, roofs, walls, floors etc.

Across these building element categories, the Guide provides an extensive, but not complete catalogue of building specifications covering most common building materials.

This data is set out as an A+ to E ranking system, where A+ represents the best environmental performance/least environmental impact, and E the worst environmental performance/most environmental impact. BRE has provided a summary environmental rating – 'The Green Guide' rating – which is a measure of overall environmental impacts covering the construction specifications (i.e. they are not manufacturer specific).

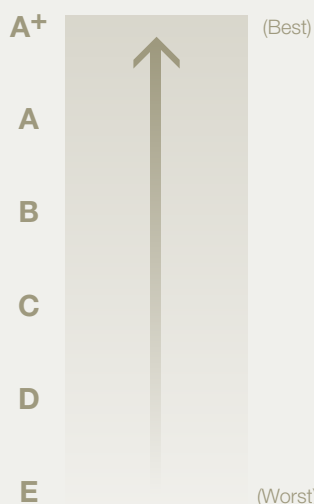
Ratings tables

For each element, the 'Green Guide' ratings are displayed alphabetically in tables. Depending on the number of specifications, the element group may have been divided into sub-categories. The ratings are based on the range for the whole element group, not the sub-categories.

The table below contains information taken from 'The Green Guide' and details some of the specifications covered in the pitched roofing section.

Marley Eternit

When used in one of the construction types listed in the table right, Marley Eternit concrete tiles, interlocking slates and fibre cement slates achieve an A+ rating. Marley Eternit Melbourn Slates achieve an A rating.



Ratings of standard specifications under the Green Guide to Specification (masonry house specification)

| Element | Specification | Rating | Upgrades to improve rating | Rating |
|---------|--|------------------|---|-------------------|
| Roof | Pitched roof, 100mm mineral wool laid between joists with further 200mm over joists. | A (2 credits) | Same structure but with interlocking concrete slates or reclaimed slates/clay tiles | A+ (3 credits) |

Domestic roof construction – pitched roof, timber construction

| Pitched roof construction | Summary rating |
|--|----------------|
| Edgemere/Duo Edgemere interlocking slates: Structurally insulated timber panel system with plywood (temperate EN 636-2) each side, roofing underlay, counterbattens, battens and concrete interlocking tiles (element no. 812410049)* | A+ |
| Fibre cement slates: Timber trussed rafters and joists with insulation, roofing underlay, counterbattens, battens and UK produced fibre cement slates | A+ |
| Melbourn interlocking slates: Timber trussed rafters and joists with insulation, roofing underlay, counterbattens, battens and resin bonded slates | A |

* How construction ratings are determined: Each construction is given an element number and its rating is derived from 13 individual sub-ratings as shown below.

Breakdown of element no. 812410049 (by environmental issues):

| Summary Rating | A+ | A | B | C | B |
|-------------------------------|----|-------------------------------|----|------------------------------|---|
| Climate change | A+ | Acidification | A | Water extraction | B |
| Mineral resource extraction | A+ | Stratospheric ozone depletion | B | Ecotoxicity to land | C |
| Human toxicity | A | Ecotoxicity to freshwater | A+ | Photochemical ozone creation | B |
| Nuclear waster (higher level) | A | | | | |
| Eutrophication | A | | | | |

Measuring environmental success

BREEAM and the Green Guide

The BRE's Environmental Assessment Method (BREEAM) is a design and management stage assessment tool that provides an environmental label for buildings, based on good practice.

BREEAM is widely used to specify overall environmental performance. One of the aims of BREEAM is to encourage the use of materials that have lower impact on the environment, taking account of the full life cycle of the materials in question.

Materials credits within BREEAM

Credits are awarded in each area according to performance. A set of environmental weightings then enables the credits to be added together to produce a single overall score.

The building is then rated on a scale of Pass, Good, Very Good or Excellent.

Specifiers are encouraged to consider these issues at the earliest opportunity to maximise their chances of achieving a high BREEAM rating.

How does Marley Eternit contribute?



When considering materials used in the construction industry, it is important not only to consider the raw materials but also the embodied energy used to create each element in a building.

BREEAM does this by rewarding:

- Materials with a low embodied energy (i.e. 'A' rated in the Green Guide to Specification)
- Responsibly resourced materials
- Use of recycled materials.

An A+ rating (the lowest environmental impact) in the Building Research Establishment's Green Guide to Specification 2008 can be achieved using Marley Eternit's concrete interlocking slates and fibre cement slates. Please see table opposite on page 28.

How does BREEAM work?

BREEAM assesses the performance of buildings in the areas shown:



Management Overall management policy, commissioning site management and procedural issues.



Health and well being Indoor and external issues affecting health and well being.



Transport Transport-related CO₂ and location related factors.



Ecology Ecological value conservation and enhancement of the site.



Materials Environmental implication of building materials, including life-cycle impacts.



Energy use Operational energy and carbon dioxide (CO₂) issues.



Pollution Air and water pollution issues.



Land use Greenfield and brownfield sites.



Water Consumption and water efficiency.

Code for Sustainable Homes

The code replaced EcoHomes in England in 2007 and is designed to ensure homes are built to progressively improving sustainability ratings and that, by 2016, all newly built homes achieve the highest (level 6) zero carbon rating.

EcoHomes 2006 will continue to be used for refurbished housing in England and for all housing in Scotland and Wales.

Marley Eternit roofing products, in conjunction with insulation and other products can help materially improve the sustainability and code ratings of new-built and refurbished housing. Please see table opposite on page 28.

There are new mandatory minimum levels of performance that have been introduced across 9 key issues:



Pollution



Energy efficiency/CO₂



Ecology



Management



Use of materials



Surface water management



Water efficiency



Health and well being



Site and household waste management

→ More

To find more on the sustainability of Marley Eternit systems, please visit the following links:

Sustainability

marleyeternit.co.uk/environment

Management Systems Certification

marleyeternit.co.uk/msc

Carbon Reduction

marleyeternit.co.uk/carbonreduction

Recycling

marleyeternit.co.uk/recycling

Environmental Assessment

marleyeternit.co.uk/lifecycle

Environmental Awards

marleyeternit.co.uk/awards

Partnerships

marleyeternit.co.uk/partners

Services



Technical Advisory Service

Marley Eternit provides a free Technical Advisory Service which is staffed by personnel with specialist knowledge of the use of all Marley Eternit roofing products and systems. Services include:

Fixing specifications

Bespoke fixing specifications can be provided, taking into account location, dimensions and degree of exposure for individual buildings.

→ To create your own fixing specification, visit:
www.marleyeternit.co.uk/tilefix



Estimating tile quantities

Calculation of all materials required for any roofing project including tiles, battens, underlay, ancillary fittings and accessories.

→ For a materials estimate, visit:
www.marleyeternit.co.uk/estimator



National Building Specification clauses (NBS)

All essential clauses for Marley Eternit roof specifications are available, detailing all work items in section H65 'Single lap roof tiling', H60 'Plain roof tiling' and H61 'Fibre cement slates'.

→ For instant NBS clauses, visit:
www.marleyeternit.co.uk/specrite



Technical Advisory Service

contact tel 01283 722588
e-mail roofinginfo@marleyeternit.co.uk

web marleyeternit.co.uk/technicalservices
marleyeternit.co.uk/tilefix
marleyeternit.co.uk/estimator
marleyeternit.co.uk/specrite



Marley Eternit Assured Roofing Specification Scheme

Operated through Marley Eternit's Technical Advisory Service, this unrivalled and comprehensive advice and support service for specifiers of major roofing projects offers the following:

- In-depth technical advice
- Project-specific fixing specifications
- Project-specific NBS clauses

Level of cover

Marley Eternit offer 15 years cover for design performance, fixing specification and for product durability when correctly installed in accordance with our recommendations and the requirements of BS 5534.



Customer Services

Marley Eternit is committed to providing outstanding customer care and is staffed by experienced personnel in departments dedicated to providing the following services:

Advice, literature and samples

→ All current product and technical literature can be downloaded from: www.marleyeternit.co.uk/downloads

→ For samples, visit: www.marleyeternit.co.uk/samples
tel 01283 722588 e-mail roofinginfo@marleyeternit.co.uk

Quotations and ordering information

→ tel 08705 626400 e-mail roofinginfo@marleyeternit.co.uk

Stockist information

To find details for stockists of Marley Eternit products, visit: www.marleyeternit.co.uk/stockists

→ tel 08705 626400 e-mail roofinginfo@marleyeternit.co.uk

Customer Services

tel 01283 722588

e-mail roofinginfo@marleyeternit.co.uk

Training centre

We have a purpose-built training centre where we are able to impart our expertise through a range of practical and classroom courses.

→ tel 08705 626400

Marley Eternit roofing ranges

→ Clay and concrete plain tiles

→ Fibre cement slates

→ Interlocking slates

→ Interlocking tiles

→ Ventilation and dry fix roof accessories

→ Fittings and accessories

Marley Eternit also offer comprehensive ranges of Claddings, Building Boards, Profiled Sheeting and accessories.

Information for all these products is available on request.

→ www.marleyeternit.co.uk tel 01283 722588

FSC logo (black)

This publication is based on the latest data available at the time of printing. Due to product changes, improvements and other factors, the Company reserves the right to change or withdraw information contained herein without prior notice. For specific applications users should refer to the Technical Advisory Service and relevant Standards and Codes of Practice for guidance.

The photography shown in the document should not necessarily be taken as recommendations of good practice. The printing process restricts the exact representation of colours. For true colour reference, please request product samples

For further information

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