


Planning Department  
Dartford Borough Council  
Civic Centre  
Home Gardens  
Dartford  
Kent DA1 1DR

ABP Architectural Services Ltd  
Unit 10, 2<sup>nd</sup> Floor  
1 Dyson Drive  
Uxbridge  
UB10 0GJ



6<sup>th</sup> November 2023

Dear Planning Officer,

**FORMER WHEATSHEAF PUBLIC HOUSE, 60 HIGH STREET, SWANSCOMBE, KENT**

On behalf of the applicant, please find enclosed an application that seeks approval of Condition 7 (perforated brick) & Condition 8 (Materials) attached to Planning Permission ref: DA/21/01893/FUL granted on 21<sup>st</sup> December 2022.

Planning Permission DA/21/01893/FUL dated 21<sup>st</sup> December 2022 permits:

*“Demolition of the existing Public House (Sui Generis) and erection of a 3 storey building to provide cafe (Use Class E) at ground floor and 7 x residential units (Use Class C3) at part ground and upper floors. As well as private and communal amenity space provision and cycle and refuse storage provision”*

**Condition 7 (Perforated Brick)**

*Prior to the commencement of development beyond slab level, details of the proposed perforated brick to the west flank elevation shall be submitted to the Local Planning Authority at a scale of 1:20 and shall thereafter be implemented in accordance with the approved details.*

**Condition 8 (Materials)**

*Before commencement of the development hereby approved beyond slab level, details and samples of all materials to be used externally shall be submitted to and approved in writing by the Local Planning Authority. The development shall be carried out in accordance with the approved details.*

This proposed perforated brick and external materials are presented below and within the accompanying drawings, that should be deemed acceptable to discharge the above conditions.

**External walls**

The external façades will be Smeed Dean Islington Yellow Rustica by Wieneberger as per the image below and specification found within **Appendix 1**.

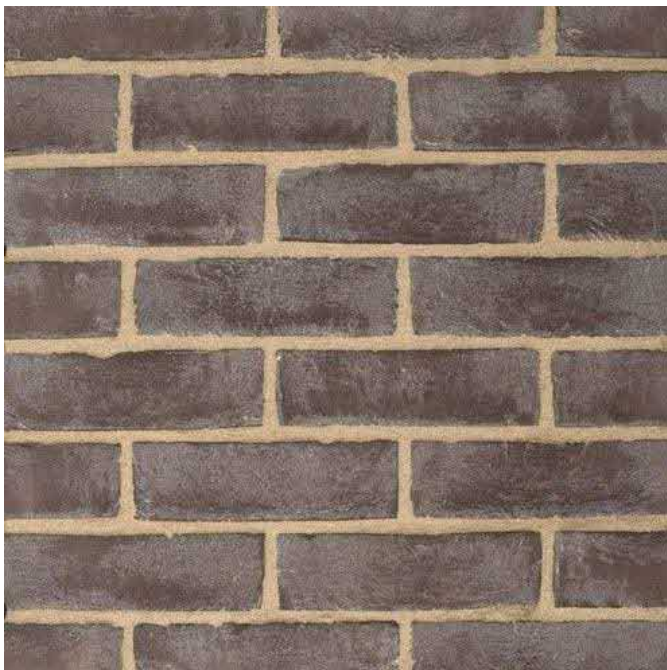


Smeed Dean Islington Yellow Rustica by Wieneberger

#### Perforated brickwork

The perforated brick along the west elevation will be in the same Smeed Dean Islington Yellow Rustica brickwork but missing every second brick, as per the accompanying detailed drawing.

At ground floor level along The Grove and the west elevation the external façade will be Pagus Grey by Wieneberger as per the image below, the accompanying drawings and specification found within Appendix 2.



Pagus Grey by Wieneberger

The mansard roof will be tiled in Marley Eternit Thrutone Fibre Cement Slate Roof Tiles, supplied by Westcoast Roofing and they will be Blue-Black as seen in the sample below and specification found within Appendix 3.



Marley Eternit Thrutone Fibre Cement Slate Roof Tile Blue-Black

The oriel window will be clad in Zinc.

#### Windows / Doors

All of the windows and doors will be Reflex Elite range.

The windows along High Street and the north elevation at first floor and above of The Grove will be Sliding Sash Windows in white, as per the image below and the specification within Appendix 4.



The windows along The Grove, the oriel windows, the southern elevation and western elevation, will be Aluminium Windows in Anthracite (RAL 7016) as per the image below and the specification within Appendix 5.



The doors will Aluminium Doors by Reflex Elite or similar in Anthracite (RAL 7016), as per the images below. The specification can be found within Appendix 6.



The heads and cills around the windows will be by Bekstone in Portland colour, as per the image below:



The shopfront of the Cafe at ground floor will be bespoke aluminium in Anthracite (RAL 7016).

I trust you will find the above and enclosed entirely satisfactory, however, should you have any further questions or queries please do not hesitate to contact me. In the meantime I look forward to hearing from you.

Kind regards



APPENDIX 1 – Smeed Dean Islington Yellow Rustica Specification

# Smeed Dean Islington Yellow Rustica

## Product Technical Information Sheet

Wienerberger Code	24230110
Production Plant	Smeed Dean
Manufacture	Soft Mud Moulded Stock
Configuration	Frogged
Colour	Yellow Multi
Appearance	Tumbled
Work Size (mm)	215 x 102.5 x 65
Pack Quantity	400 No.
Individual Dry Brick Weight (kg)	2.0

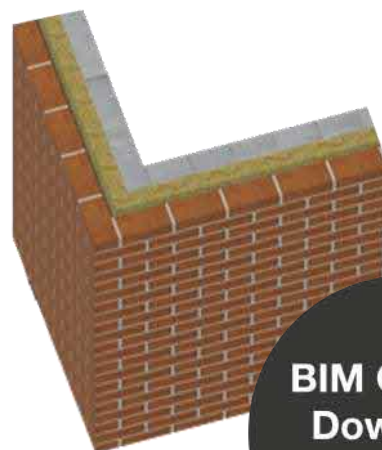


## Technical Properties to BS EN 771-1

Size Tolerance (Mean/Range)	Tm/Rm
Gross Dry Density (kg/m <sup>3</sup> /Tolerance)	1380 (D1)
Compressive Strength (N/mm <sup>2</sup> )	≥15
Thermal Conductivity (W/(m·K)) λ <sub>10,dry,unit</sub> value (EN 1745 tabulated: S1)	P=90% 0.51
Durability Designation	F2
Water Absorption (%)	≤22
Initial Rate of Water Absorption (kg/(m <sup>2</sup> ·min))	Min. 1.2 Max. 4.2
Active Soluble Salts	S2
Reaction to Fire	Class A1

### Issue Date: 07/09/2020

Technical data correct at time of issue. Individual dry brick weights can vary and are for guidance only. Any questions regarding this data should be referred to the Wienerberger Technical Department. Due to the limitations of screen and print colour representation of product images it is advised that brick samples are viewed prior to ordering.



**BIM Objects  
Download**



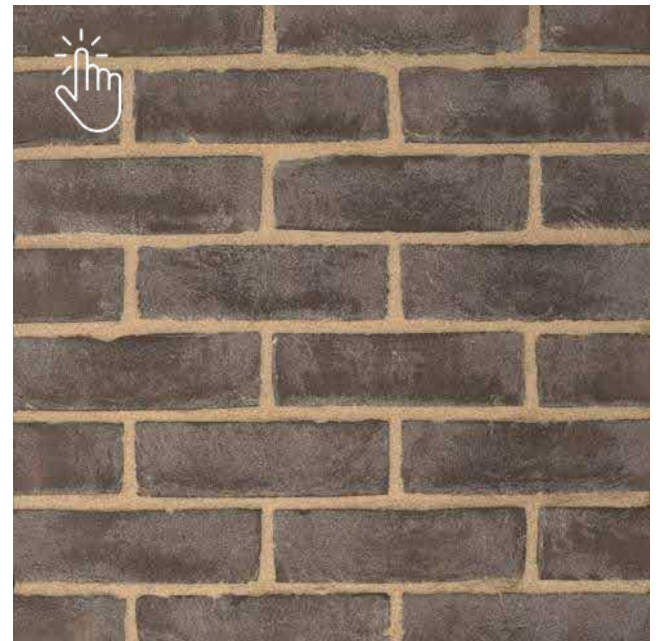
APPENDIX 2 – Pagus Grey Specification



# Pagus Grey

## Product Technical Information Sheet

Wienerberger Code	12808512
Production Plant	Kortemark (Belgium)
Manufacture	Soft Mud Moulded Stock
Configuration	Frogged
Colour	Grey Multi
Appearance	Creased
Work Size (mm)	215 x 102.5 x 65
Pack Quantity	652 No.
Individual Dry Brick Weight (kg)	2.1

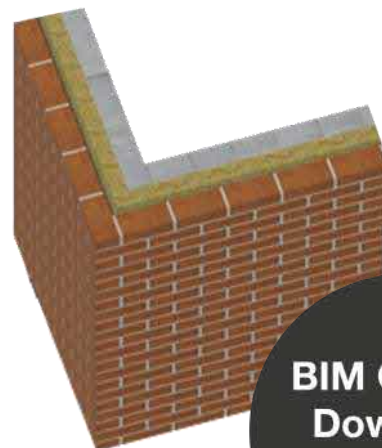


## Technical Properties to BS EN 771-1

Size Tolerance (Mean/Range)	T1/R1
Gross Dry Density (kg/m <sup>3</sup> /Tolerance)	1500 (D1)
Compressive Strength (N/mm <sup>2</sup> )	≥12
Thermal Conductivity (W/(m·K)) λ <sub>10,dry,unit</sub> value (EN 1745 tabulated: S1)	P=90% 0.69
Durability Designation	F2
Water Absorption (%)	≤19
Initial Rate of Water Absorption (kg/(m <sup>2</sup> ·min))	Min. 1.0 Max. 5.0
Active Soluble Salts	S2
Reaction to Fire	Class A1

### Issue Date: 05/10/2020

Technical data correct at time of issue. Individual dry brick weights can vary and are for guidance only. Any questions regarding this data should be referred to the Wienerberger Technical Department. Due to the limitations of screen and print colour representation of product images it is advised that brick samples are viewed prior to ordering.



**BIM Objects  
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APPENDIX 3 – Marley Eternit Thrutone Fibre Cement Slate Specification



# Roofing

product catalogue

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In short, we're here to support you in any way we can and we're always happy to take some of the load off your shoulders.

## Let ME lighten your load

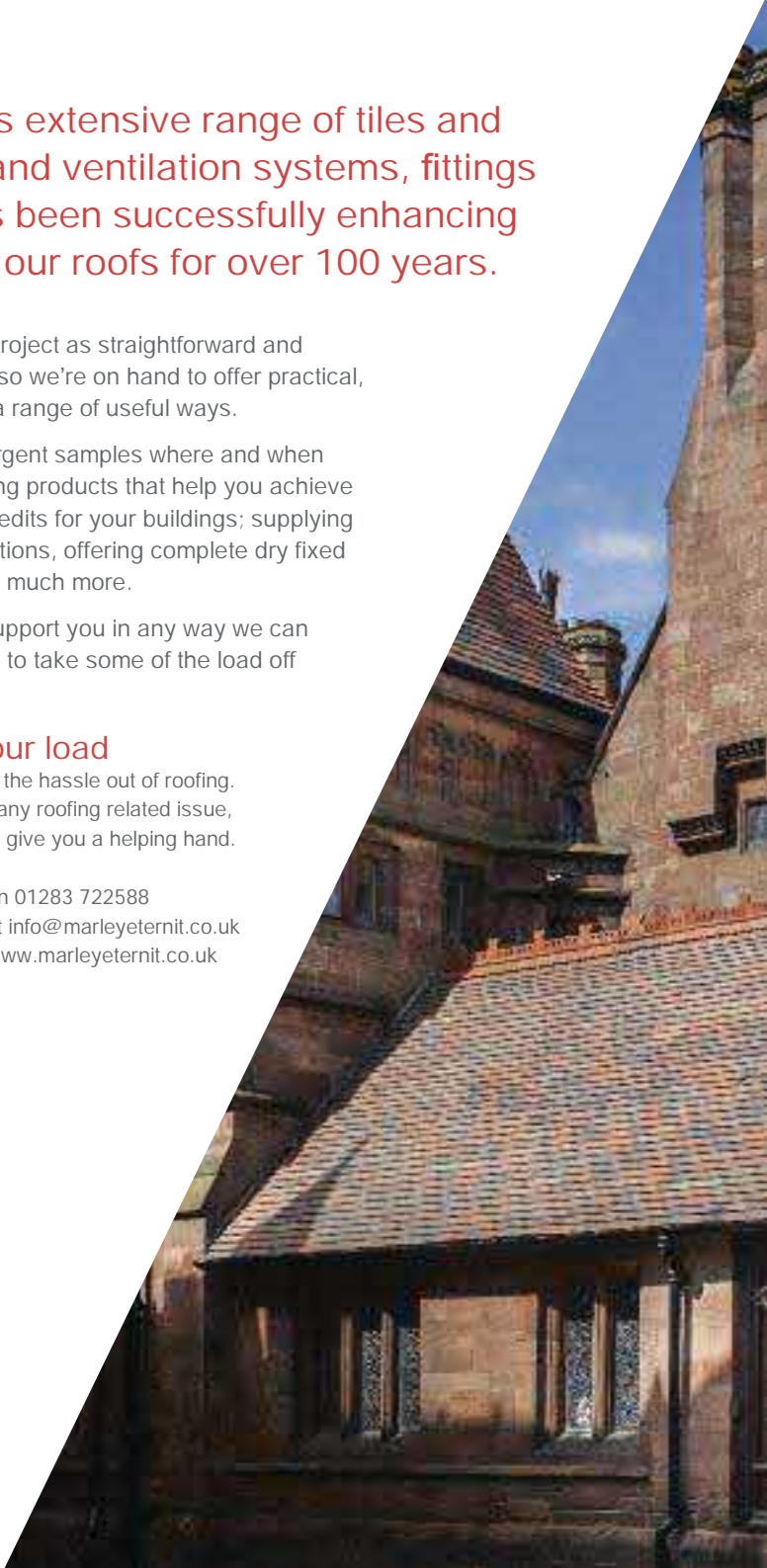
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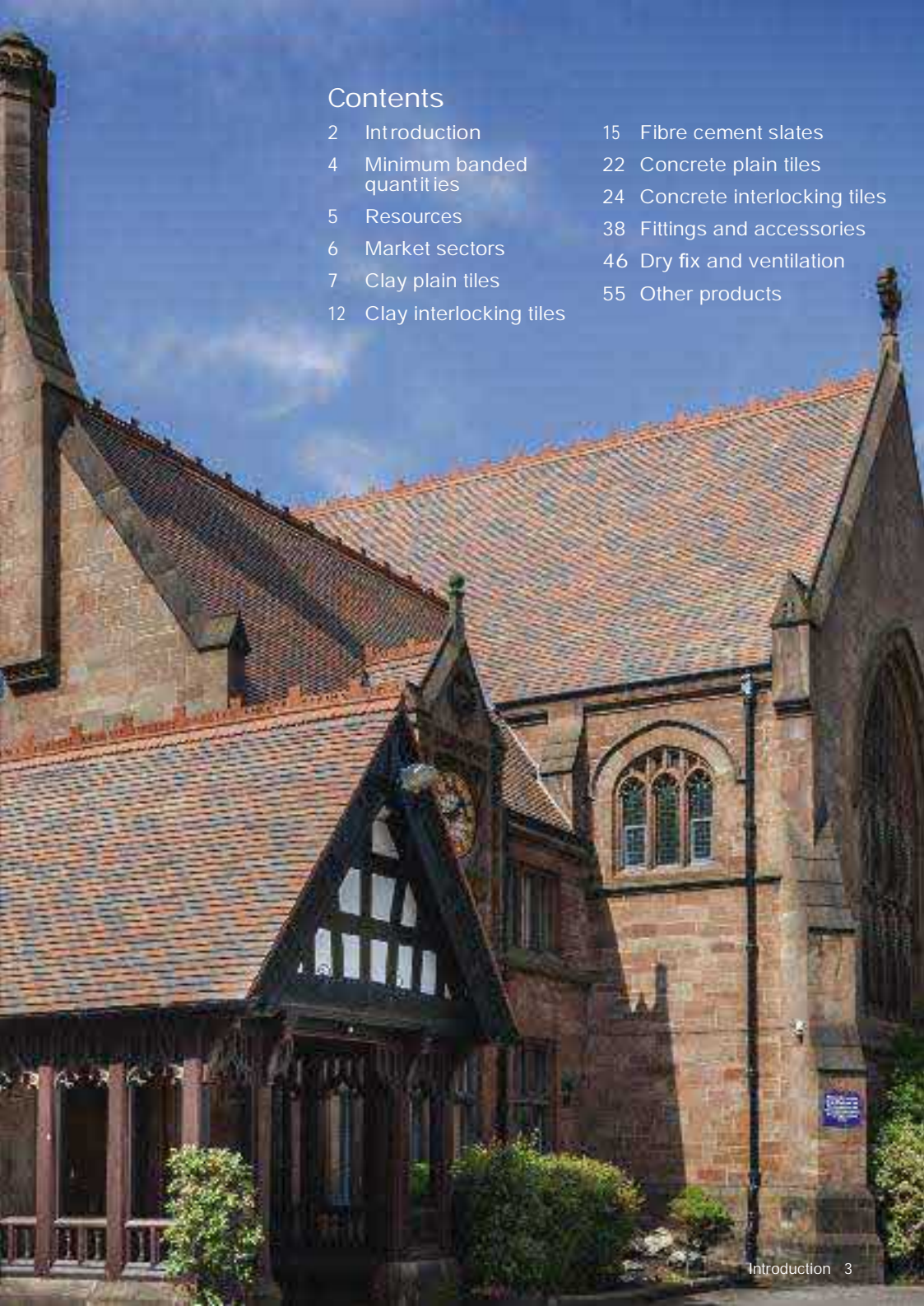
All factories certified to  
ISO 9001, ISO 14001,  
OHSAS 18001

**n55Plus**



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# Minimum banded quantities

	No. per band	Bands per pallet	Quantity per pallet
<b>Fibre cement slates</b>			
600 x 300mm slates	15	72	1080
600 x 600mm doubles	10	30	300
Thrutone 500 x 250mm	20	70	1400
Thrutone 500 x 250mm doubles	10	32	320
Thrutone shapes and colours	15	72	1080

## Concrete tiles

Plain tiles	10	90	900
Plain eaves/top	10	120	1200
Plain tile and half	10	54	540
Anglia	38	12	456
Ashmore	6	46	276
Double Roman, Mendip & Wessex	32	6	192
Edgemere Range	40	6	240
Ludlow Major	36	6	216
Ludlow Plus	43	12	516
Modern and Duo Modern	32	6	192

## Concrete fittings

Segmental ridge tiles	5	24	120
Modern ridge tiles	5	28	140

## Clay plain tiles

Acme/Hawkins tiles	12	105	1260
Acme/Hawkins eaves	15	100	1500
Acme/Hawkins tile and a half	12	63	756
Ashdowne tiles	11	105	1155
Ashdowne eaves	15	100	1500
Ashdowne tile and a half	12	63	756
Creasing tiles*	12	105	1260

## Clay interlocking tiles

Maxima tiles*	4	60	240
Maxima LH verge tiles	4	20	80
Melodie tiles*	6	40	240
Melodie LH verge tiles	6	20	120

\* Available as full pallets only

# Resources

## Technical advice

Our Technical Advisory Service is staffed by a qualified team with specialist knowledge.

**Tel 01283 722588**

**E-mail [Info@marleyeternit.co.uk](mailto:Info@marleyeternit.co.uk)**

## Fixing instructions and literature

Comprehensive sitework, fixing and installation literature and videos:

**[marleyeternit.co.uk/resources](http://marleyeternit.co.uk/resources)**

All current product and technical literature can be downloaded:

**[marleyeternit.co.uk/downloads](http://marleyeternit.co.uk/downloads)**

## Samples

Samples of clay interlocking and plain tiles, fibre cement slates and concrete tiles are available on request.

**Tel 01283 722588**

**[marleyeternit.co.uk/samples](http://marleyeternit.co.uk/samples)**

## Stockist information

To find details for stockists of Marley Eternit products, visit:

**[marleyeternit.co.uk/stockists](http://marleyeternit.co.uk/stockists)**

## Customer services

Knowledgeable and friendly staff are available to offer quotations, expert advice, deal with orders and all other enquiries.

**Tel 08705 626400**

**E-mail [Info@marleyeternit.co.uk](mailto:Info@marleyeternit.co.uk)**

## Sales support

Our Area Sales Managers have in-depth knowledge of your local area. They are available to visit your site to carry out a roof survey, and to offer specific solutions for both new build and refurbishment projects.

**[marleyeternit.co.uk/localcontacts](http://marleyeternit.co.uk/localcontacts)**

## Tilefix

A tool to create fixing specifications based on the geographical location and building dimensions of specific building projects.

**[marleyeternit.co.uk/tilefix](http://marleyeternit.co.uk/tilefix)**

## Estimator

Tool designed to create a complete bill of materials for your roofing project, based on a wide range of roof shapes:

**[marleyeternit.co.uk/estimator](http://marleyeternit.co.uk/estimator)**

## 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.

To find out more about our courses, visit:

**[marleyeternit.co.uk/training](http://marleyeternit.co.uk/training)**

## Health and safety

In line with the requirements of the Health and Safety at Work Act, The Consumer Protection Act and The Chemicals (Hazard Information and Packaging for Supply) Regulations and the Control of Substances Hazardous to Health Regulations, **[please view or download copies of our COSHH data sheets at \[marleyeternit.co.uk/coshh\]\(http://marleyeternit.co.uk/coshh\)](#)**

# Market sectors

Small element roofing can be used to create unique roof designs across all market sectors. To see a range of our case studies, please visit [marleyeternit.co.uk/casestudies](http://marleyeternit.co.uk/casestudies)



Renovation



Healthcare



Housing



Public sector



Education



Leisure

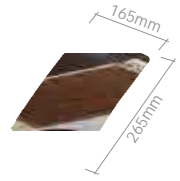




# Clay plain tiles

Acme single camber, Heather Blend, Dogs Trust, Telford

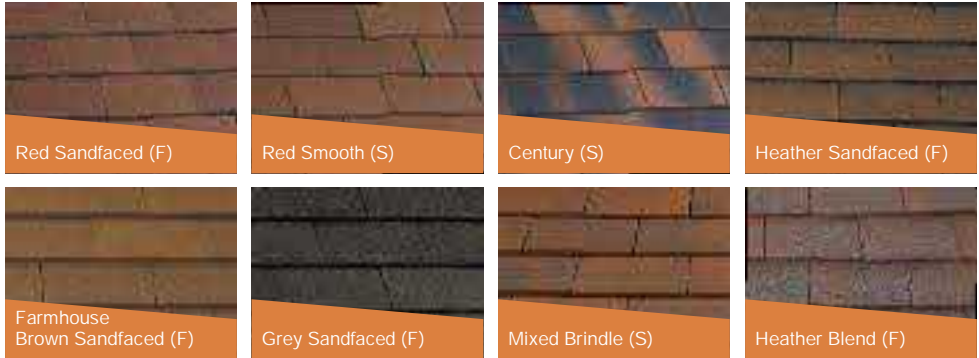
# Acme single camber



Natural clay, machine made, single cambered (longitudinal) plain tiles, offering crisp, contemporary lines and the warmth and character of clay at an affordable price.

## Colour availability

Key (F) Fine sanded finish (S) Smooth finish

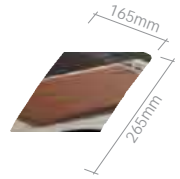


Technical data	
Size of tile	265mm x 165mm
Minimum pitch*	30°
Maximum pitch	90°
Minimum headlap	65mm (roof) 37.5mm (vertical)
Maximum gauge	100mm (roof) 115mm (vertical)
Tile thickness	11mm (nominal)
Cover width	165mm (nominal)
Covering capacity (net)	60 tiles/m <sup>2</sup> at 100mm gauge (roof) 53 tiles/m <sup>2</sup> at 115mm gauge (vertical)
Weight of tiling (approx.)	64kg/m <sup>2</sup> (0.63 kN/m <sup>2</sup> ) at 100mm gauge (roof) 56kg/m <sup>2</sup> (0.55 kN/m <sup>2</sup> ) at 115mm gauge (vertical)
Battens required (net)	10.0 lin.m/m <sup>2</sup> at 100mm gauge (roof) 8.7 lin.m/m <sup>2</sup> at 115mm gauge (vertical)
Batten size recommended	38 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)
Tile nails	38mm x 2.65mm
Authority	BS EN 1304

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

Sustainability	Product information
<ul style="list-style-type: none"> <li>✓ A+ rated in the BRE Green Guide (based on generic rating for UK produced clay plain tiles Element Ref: 812410006)</li> <li>✓ BES 6001 (Responsible Sourcing) certified</li> <li>✓ Independent carbon footprint certification</li> </ul>	<p><b>Tile camber</b> Single camber</p> <p><b>Feature tiles</b> For advice on the use of Feature tiles in main roof areas contact the Technical Advisory Service.</p> <p>† Made to order</p> <p>Club† Bullnose†</p>

# Hawkins



Single cambered (longitudinal), machine made clay tile, manufactured for over 150 years. This heritage, combined with modern firing techniques, gives a unique colour range.

## Colour availability

**Key** (F) Fine sanded finish (S) Smooth finish (T) Textured finish



## Technical data

Size of tile	265mm x 165mm	
Minimum pitch*	30°	
Maximum pitch	90°	
Minimum headlap	65mm (roof)	37.5mm (vertical)
Maximum gauge	100mm (roof)	115mm (vertical)
Tile thickness	11mm (nominal)	
Cover width	165mm (nominal)	
Covering capacity (net)	60 tiles/m <sup>2</sup> at 100mm gauge (roof)	53 tiles/m <sup>2</sup> at 115mm gauge (vertical)
Weight of tiling (approx.)	64kg/m <sup>2</sup> (0.63 kN/m <sup>2</sup> ) at 100mm gauge (roof)	56kg/m <sup>2</sup> (0.55 kN/m <sup>2</sup> ) at 115mm gauge (vertical)
Battens required (net)	10.0 lin.m/m <sup>2</sup> at 100mm gauge (roof)	8.7 lin.m/m <sup>2</sup> at 115mm gauge (vertical)
Batten size recommended	38 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)	
Tile nails	38mm x 2.65mm	
Authority	BS EN 1304	

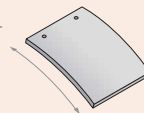
\* The minimum recommended pitch and lap may be influenced by special circumstances, please contact the Technical Advisory Service.

## Sustainability

- ✓ A+ rated in the BRE Green Guide (based on generic rating for UK produced clay plain tiles Element Ref: 812410006)
- ✓ BES 6001 (Responsible Sourcing) certified
- ✓ Independent carbon footprint certification

## Product information

**Tile camber**  
Single camber



**Feature tiles**

For advice on the use of Feature tiles in main roof areas contact the Technical Advisory Service.

† Made to order

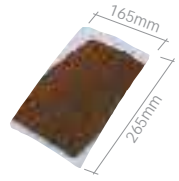


Club†



Bullnose†

# Acme double camber



Natural clay, machine made clay plain tiles with longitudinal and latitudinal camber are able to create highly textured roofscapes with accentuated light and shade.

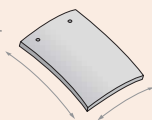


## Colour availability

Key (F) Fine sanded finish (S) Smooth finish

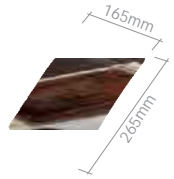


Technical data		
Size of tile	265mm x 165mm	
Minimum pitch*	35°	
Maximum pitch	90°	
Minimum headlap	65mm (roof)	37.5mm (vertical)
Maximum gauge	100mm (roof)	115mm (vertical)
Tile thickness	11mm (nominal)	
Cover width	165mm (nominal)	
Covering capacity (net)	60 tiles/m <sup>2</sup> at 100mm gauge (roof)	53 tiles/m <sup>2</sup> at 115mm gauge (vertical)
Weight of tiling (approx.)	64kg/m <sup>2</sup> (0.63 kN/m <sup>2</sup> ) at 100mm gauge (roof)	56kg/m <sup>2</sup> (0.55 kN/m <sup>2</sup> ) at 115mm gauge (vertical)
Battens required (net)	10.0 lin.m/m <sup>2</sup> at 100mm gauge (roof)	8.7 lin.m/m <sup>2</sup> at 115mm gauge (vertical)
Batten size recommended	38 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)	
Tile nails	38mm x 2.65mm	
Authority	BS EN 1304	

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

Sustainability	Product information
<ul style="list-style-type: none"> <li>✓ A+ rated in the BRE Green Guide (based on generic rating for UK produced clay plain tiles Element Ref: 812410006)</li> <li>✓ BES 6001 (Responsible Sourcing) certified</li> <li>✓ Independent carbon footprint certification</li> </ul>	<p><b>Tile camber</b> Double camber</p>  <p><b>Feature tiles</b> For advice on the use of Feature tiles in main roof areas contact the Technical Advisory Service.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Club†</p> </div> <div style="text-align: center;">  <p>Bullnose†</p> </div> </div> <p>† Made to order</p>

# Ashdowne



Handcrafted clay plain tiles offer a warm, mellow appearance, with a granular texture and slight random irregularities that make each tile unique.

## Colour availability

Key (F) Fine sanded finish



Technical data	
Size of tile	265mm x 165mm
Minimum pitch*	35°
Maximum pitch	90°
Minimum headlap	65mm (roof) 37.5mm (vertical)
Maximum gauge	100mm (roof) 115mm (vertical)
Tile thickness	11mm (nominal)
Cover width	165mm (nominal)
Covering capacity (net)	60 tiles/m <sup>2</sup> at 100mm gauge (roof) 53 tiles/m <sup>2</sup> at 115mm gauge (vertical)
Weight of tiling (approx.)	65kg/m <sup>2</sup> (0.64 kN/m <sup>2</sup> ) at 100mm gauge (roof) 57kg/m <sup>2</sup> (0.56 kN/m <sup>2</sup> ) at 115mm gauge (vertical)
Battens required (net)	10.0 lin.m/m <sup>2</sup> at 100mm gauge (roof) 8.7 lin.m/m <sup>2</sup> at 115mm gauge (vertical)
Batten size recommended	38 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)
Tile nails	38mm x 2.65mm
Authority	BS EN 1304

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

### Sustainability

- ✓ A+ rated in the BRE Green Guide (based on generic rating for UK produced clay plain tiles Element Ref: 812410006)
- ✓ BES 6001 (Responsible Sourcing) certified
- ✓ Independent carbon footprint certification

### Product information

**Tile camber**  
Single camber

**Feature tiles**  
For advice on the use of Feature tiles in main roof areas contact the Technical Advisory Service.

† Made to order

Club† Bullnose†

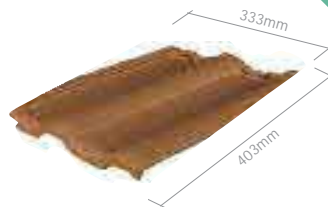


# Clay interlocking tiles

Melodie clay pantile, Natural Red

# Maxima

A clay interlocking double roman tile suitable for roof pitches down to 17.5° with an easy-to-lay open gauge.



## Colour availability



Natural Red

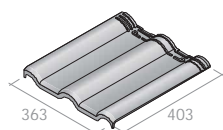
## Technical data

Size of tile	403mm x 333mm
Minimum pitch*	17.5°
Maximum pitch	70°
Headlap	75mm (minimum)
Batten spacing	328mm (at 75mm headlap)
Cover width	300mm (nominal)
Covering capacity (net)	10.1 tiles/m <sup>2</sup> at maximum gauge
Weight of tiling (approx.)	43.4kg/m <sup>2</sup> at 75mm headlap
Battens required (net)	3.05 lin.m/m <sup>2</sup> at 75mm headlap
Batten size recommended	38 x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534) 50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)
Nail size	40mm x 3.35mm aluminium clout head
Fixing clips	Tile clip and nail (30271/30272), Eave clip (30452), Eave clip nail (30455), RH verge clip (30289), LH verge tile clip (30289), LH verge clip -standard tile (30290)
Authority	BS EN 1304

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

## Clay interlocking tile fittings

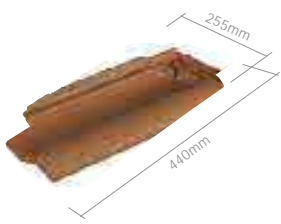
Available in Natural Red.



Left hand verge tile  
(double roll)

Low pitch

# Melodie



An interlocking single clay pantile with an easy to lay flexible gauge, which is suitable for roof pitches as low as 12.5°.

## Colour availability



Natural Red

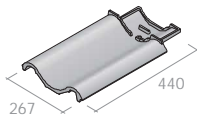
### Technical data

Size of tile	440mm x 255mm	
Minimum pitch*	12.5°	
Maximum pitch	70°	
Headlap	92mm (minimum)	
Batten spacing	314mm minimum gauge	348mm maximum gauge
Cover width	209mm (nominal)	
Covering capacity (net)	13.8 tiles/m <sup>2</sup> at maximum gauge	
Weight of tiling (approx.)	44kg/m <sup>2</sup> at 92mm headlap	
Battens required (net)	2.88 lin.m/m <sup>2</sup> at 92mm headlap	
Batten size recommended	38 x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534) 50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)	
Nail size	40mm x 3.35mm aluminium clout head	
Fixing clips	Tile clip and nail (30456), Eave clip (30452), Eave clip nail (30455), RH verge clip (30285), LH verge tile clip (30285)	
Authority	BS EN 1304	

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

## Clay interlocking tile fittings

Available in Natural Red.



Left hand verge tile (double roll)





# Fibre cement slates

Rivendale, Blue-Black, Bishops Grosseteste University, Lincoln

# Rivendale

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



## Colour availability



## Edge profile



### Technical data

Size of slate	600mm x 300mm	
Minimum pitch*	Moderate exposure	22.5° (100mm headlap) 20° (110mm headlap)
	Severe exposure	25° (100mm headlap) 22.5° (110mm headlap)
Maximum pitch	90°	
Typical headlaps	100, 110mm	
Maximum gauge	245-250mm	
Slate thickness	4mm (nominal)	
Covering capacity (net)	13.4 slates/m <sup>2</sup> at 100mm headlap	
	13.6 slates/m <sup>2</sup> at 110mm headlap	
Weight of slating (approx.)	20.4kg/m <sup>2</sup> (0.20 kN/m <sup>2</sup> ) at 100mm headlap	
	20.9kg/m <sup>2</sup> (0.20 kN/m <sup>2</sup> ) at 110mm headlap	
Battens required (net)	4.00 lin.m/m <sup>2</sup> at 100mm headlap	
	4.08 lin.m/m <sup>2</sup> at 110mm headlap	
Batten size recommended	38 x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534)	
	50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)	
Fixings	Slate nails (30mm x 2.65mm)	
	Copper disc rivets (19mm diameter x 2mm stem)	
Authority	BS EN 492	

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

### Sustainability

- ✓ A<sup>+</sup> rated in the BRE Green Guide (based on generic rating for UK and Ireland produced fibre cement slates Element Ref: 812410008)
- ✓ Low carbon footprint of 13 CO<sub>2</sub>e/m<sup>2</sup>

# Garsdale

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



## Colour availability



## Edge profile



### Technical data

Size of slate	600mm x 300mm	
Minimum pitch*	Moderate exposure	22.5° (100mm headlap)
		20° (110mm headlap)
	Severe exposure	25° (100mm headlap) 22.5° (110mm headlap)
Maximum pitch	90°	
Typical headlaps	100, 110mm	
Maximum gauge	245-250mm	
Slate thickness	4mm (nominal)	
Covering capacity (net)	13.4 slates/m <sup>2</sup> at 100mm headlap	
	13.6 slates/m <sup>2</sup> at 110mm headlap	
Weight of slating (approx.)	20.4kg/m <sup>2</sup> (0.20 kN/m <sup>2</sup> ) at 100mm headlap	
	20.9kg/m <sup>2</sup> (0.20 kN/m <sup>2</sup> ) at 110mm headlap	
Battens required (net)	4.00 lin.m/m <sup>2</sup> at 100mm headlap	
	4.08 lin.m/m <sup>2</sup> at 110mm headlap	
Batten size recommended	38 x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534)	
	50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)	
Fixings	Slate nails (30mm x 2.65mm)	
	Copper disc rivets (19mm diameter x 2mm stem)	
Authority	BS EN 492	

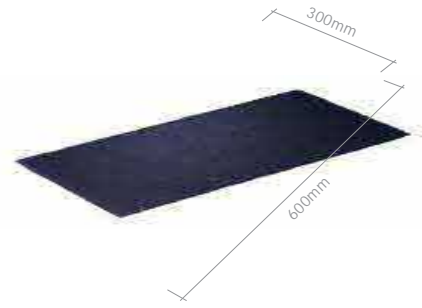
\* The minimum recommended pitch and lap may be influenced by special circumstances, please contact the Technical Advisory Service.

### Sustainability

- ✓ A<sup>+</sup> rated in the BRE Green Guide (based on generic rating for UK and Ireland produced fibre cement slates Element Ref: 812410008)
- ✓ BES 6001 (Responsible Sourcing) certified
- ✓ Low carbon footprint of 13 CO<sub>2</sub>e/m<sup>2</sup>

# Birkdale

A smooth surface and dressed edges offer a traditional and pleasing look using nail and rivet fixing down to 20°.



## Colour availability



## Edge profile



### Technical data

Size of slate	600mm x 300mm		
Minimum pitch*	Moderate exposure	22.5° (100mm headlap)	20° (110mm headlap)
	Severe exposure	25° (100mm headlap)	22.5° (110mm headlap)
Maximum pitch	90°		
Typical headlaps	100, 110mm		
Maximum gauge	245-250mm		
Slate thickness	4mm (nominal)		
Covering capacity (net)	13.4 slates/m <sup>2</sup> at 100mm headlap		
	13.6 slates/m <sup>2</sup> at 110mm headlap		
Weight of slating (approx.)	20.4kg/m <sup>2</sup> (0.20 kN/m <sup>2</sup> ) at 100mm headlap		
	20.9kg/m <sup>2</sup> (0.20 kN/m <sup>2</sup> ) at 110mm headlap		
Battens required (net)	4.00 lin.m/m <sup>2</sup> at 100mm headlap		
	4.08 lin.m/m <sup>2</sup> at 110mm headlap		
Batten size recommended	38 x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534)		
	50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)		
Fixings	Slate nails (30mm x 2.65mm) Copper disc rivets (19mm diameter x 2mm stem)		
Authority	BS EN 492		

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

### Sustainability

- ✓ A+ rated in the BRE Green Guide (based on generic rating for UK and Ireland produced fibre cement slates Element Ref: 812410008)
- ✓ Low carbon footprint of 13 CO<sub>2</sub>e/m<sup>2</sup>

## Low pitch Birkdale



Birkdale slates can be used for low pitches down to 15° (with hook fixing). This complements our Birkdale range using nail and rivet fixing for steeper pitches.

### Hook fixing



Watch a quick video on hook fixing at [marleyeternit.co.uk/birkdale](http://marleyeternit.co.uk/birkdale) or scan the QR code shown.



### Technical data

Size of slate	600mm x 300mm	
Minimum pitch*	Moderate exposure	15° (150mm lap, max. 6m rafter length)
	Severe exposure	17.5° (150mm lap, max. 9m rafter length)
Maximum pitch	90°	
Headlap	150mm	
Maximum gauge	225mm	
Slate thickness	4mm (nominal)	
Covering capacity (net)	14.8 slates/m <sup>2</sup> at 150mm headlap	
Weight of slating (approx.)	22.8kg/m <sup>2</sup> at 150mm headlap	
Battens required (net)	4.45 lin.m/m <sup>2</sup> at 150mm headlap	
Batten size recommended	38 x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534) 50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)	
Fixings	Slate hooks (150mm) Slate nails for local areas of roof (30mm x 2.65mm) Copper disc rivets for local areas of roof (19mm diameter x 2mm stem)	
Authority	BS EN 492	

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

### Colour availability



Blue/Black

### Edge profile



### Sustainability

- ✓ A+ rated in the BRE Green Guide (based on generic rating for UK and Ireland produced fibre cement slates Element Ref: 812410008)
- ✓ Low carbon footprint of 13 CO<sub>2</sub>e/m<sup>2</sup>

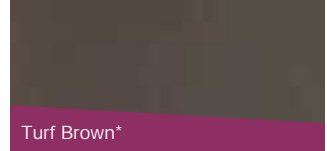
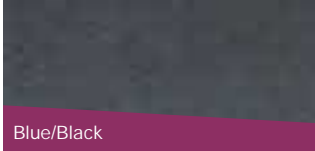
New colours

# Thrutone



A smooth surface and square cut edges give a low profile slate at an economical price with a minimum pitch of 15°.

## Colour availability



## Shapes availability



## Edge profile



\* Made to order and subject to a lead time

## Technical data

Size of slate	600mm x 300mm	500mm x 250mm
Minimum pitch*		
Moderate exposure	22.5° (100mm headlap) 20° (110mm headlap)	22.5° (100mm headlap)
Severe exposure	25° (100mm headlap) 22.5° (110mm headlap)	25° (100mm headlap)
4m max. rafter length	15°-17.5° (110mm headlap)	
6m max. rafter length	17.5°-20° (110mm headlap)	
Maximum pitch	90°	90°
Typical headlaps	100, 110mm	100mm
Maximum gauge	245-250mm	200mm
Slate thickness	4mm (nominal)	4mm (nominal)
Covering capacity (net)	13.4 slates/m <sup>2</sup> at 100mm headlap 13.6 slates/m <sup>2</sup> at 110mm headlap	20.0 slates/m <sup>2</sup> at 100mm headlap
Weight of slating (approx.)	20.4kg/m <sup>2</sup> (0.20 kN/m <sup>2</sup> ) at 100mm headlap 20.9kg/m <sup>2</sup> (0.20 kN/m <sup>2</sup> ) at 110mm headlap	21.3 kg/m <sup>2</sup> (0.21 kN/m <sup>2</sup> ) at 100mm headlap
Battens required (net)	4.00 lin.m/m <sup>2</sup> at 100mm headlap 4.08 lin.m/m <sup>2</sup> at 110mm headlap	5.00 lin.m/m <sup>2</sup> at 100mm headlap
Batten size recommended	38 x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534) 50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)	
Fixings	Slate nails (30mm x 2.65mm) Copper disc rivets (19mm diameter x 2mm stem)	Slate nails (30mm x 2.65mm) Copper disc rivets (19mm diameter x 2mm stem)
Authority	BS EN 492	BS EN 492

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

## Sustainability

- ✓ A+ rated in the BRE Green Guide (based on generic rating for UK and Ireland produced fibre cement slates Element Ref: 812410008)
- ✓ BES 6001 (Responsible Sourcing) certified
- ✓ Low carbon footprint of 13 CO<sub>2</sub>e/m<sup>2</sup>

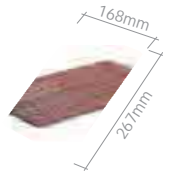


# Concrete plain tiles

Concrete plain tile, Smooth Brown, Hayden End, Swindon



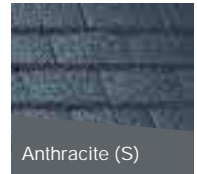
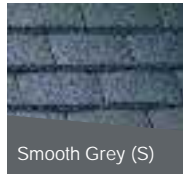
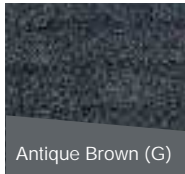
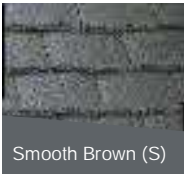
# Plain



The authentic cross camber design of the Marley Eternit concrete plain tile gives it a look to match its outstanding versatility.

## Colour availability

**Key** (F) Fine sanded finish (G) Granular finish (S) Smooth finish



## Technical data

Size of tile	267mm x 168mm	
Minimum pitch*	35°	
Maximum pitch	90°	
Minimum headlap	65mm (roof)	37.5mm (vertical)
Maximum gauge	100mm (roof)	115mm (vertical)
Tile thickness	12mm (nominal)	
Cover width	168mm (nominal)	
Covering capacity (net)	60 tiles/m <sup>2</sup> at 100mm gauge (roof)	53 tiles/m <sup>2</sup> at 115mm gauge (vertical)
Weight of tiling (approx.)	73.8kg/m <sup>2</sup> (0.72 kN/m <sup>2</sup> ) at 100mm gauge (roof)	58kg/m <sup>2</sup> (0.57 kN/m <sup>2</sup> ) at 115mm gauge (vertical)
Battens required (net)	10 lin.m/m <sup>2</sup> at 100mm gauge (roof)	8.7 lin.m/m <sup>2</sup> at 115mm gauge (vertical)
Batten size recommended	38 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)	
Tile nails	38mm x 2.65mm	
Authority	BS EN 490	

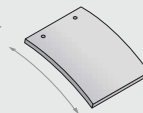
\* The minimum recommended pitch and lap may be influenced by special circumstances, please contact the Technical Advisory Service.

## Sustainability

- ✓ A+ rated in the BRE Green Guide (based on generic rating for UK produced concrete plain tiles  
Element Refs: 812410017, 812410050, 812410064)
- ✓ BES 6001 (Responsible Sourcing) certified
- ✓ Independent carbon footprint certification

## Product information

**Tile camber**  
Single camber



**Compatible with clay feature tiles**

For advice on the use of Feature tiles in main roof areas contact the Technical Advisory Service.

† Made to order



Club†



Bullnose†

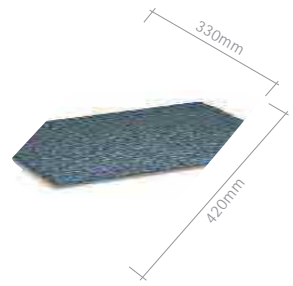


# Concrete interlocking tiles

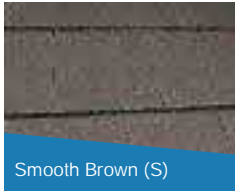
Duo Modern, Smooth Grey, Pontypool

# Edgemere

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



## Colour availability



Smooth Brown (S)



Smooth Grey (S)



Old English Dark Red (S)

Key (S) Smooth finish

## 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
Tile thickness	18mm (nominal)
Cover width	298mm (nominal)
Hanging length	395mm (nominal)
Covering capacity (net)	9.7 tiles/m <sup>2</sup> at 75mm headlap 10.5 tiles/m <sup>2</sup> at 100mm headlap
Weight of slating (approx.)	44kg/m <sup>2</sup> (0.43 kN/m <sup>2</sup> ) at 75mm headlap 47.5kg/m <sup>2</sup> (0.47 kN/m <sup>2</sup> ) at 100mm headlap
Battens required (net)	2.9 lin.m/m <sup>2</sup> at 75mm headlap 3.1 lin.m/m <sup>2</sup> at 100mm headlap
Batten size recommended	38 x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534) 50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)
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.

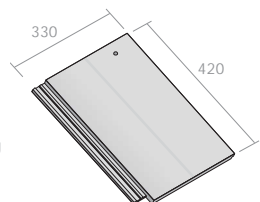
## Sustainability

- ✓ A+ rated in the BRE Green Guide (based on generic rating for UK produced concrete interlocking tiles  
Element Refs: 812410007, 812410018, 812410049)
- ✓ BES 6001 (Responsible Sourcing) certified
- ✓ Independent carbon footprint certification

## Edgemere half tile

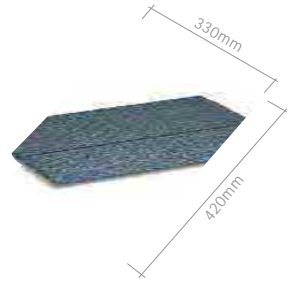
Available in all colours to match main tiles.

Edgemere should be laid broken bond. The required broken bond pattern is created by the introduction of half tiles, to form verges in alternate courses. Half tiles are formed on-site by cutting along the scoreline.



# Duo Edgemere

A thin leading edge interlocking tile designed to look like and blend in with small format slates.



## Colour availability



Key (S) Smooth finish

## 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
Tile thickness	18mm (nominal)
Cover width	298mm (nominal)
Hanging length	395mm (nominal)
Covering capacity (net)	9.7 tiles/m <sup>2</sup> at 75mm headlap 10.5 tiles/m <sup>2</sup> at 100mm headlap
Weight of slating (approx.)	44kg/m <sup>2</sup> (0.43 kN/m <sup>2</sup> ) at 75mm headlap 47.5kg/m <sup>2</sup> (0.47 kN/m <sup>2</sup> ) at 100mm headlap
Battens required (net)	2.9 lin.m/m <sup>2</sup> at 75mm headlap 3.1 lin.m/m <sup>2</sup> at 100mm headlap
Batten size recommended	38 x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534) 50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)
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.

## Sustainability

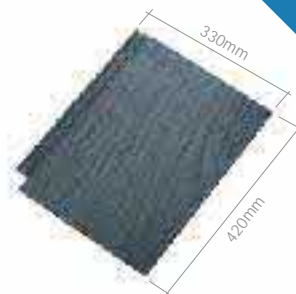
- ✓ A\* rated in the BRE Green Guide (based on generic rating for UK produced concrete interlocking tiles  
Element Refs: 812410007, 812410018, 812410049)
- ✓ BES 6001 (Responsible Sourcing) certified
- ✓ Independent carbon footprint certification

## Duo Edgemere fittings

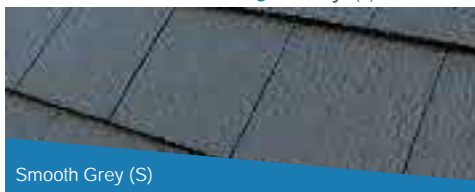
Duo Edgemere should be laid broken bond. The required broken bond pattern is created by the introduction of three-quarter width tiles, cut from standard tiles on site to form verges in alternate courses.

# Riven Edgemere

A thin leading edge interlocking tile with the addition of a riven surface, providing a more natural appearance with variegated look, depth and tone.



## Colour availability **Key** (S) Smooth finish



Smooth Grey (S)

### 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
Tile thickness	18mm (nominal)
Cover width	298mm (nominal)
Hanging length	395mm (nominal)
Covering capacity (net)	9.7 tiles/m <sup>2</sup> at 75mm headlap 10.5 tiles/m <sup>2</sup> at 100mm headlap
Weight of slating (approx.)	44kg/m <sup>2</sup> (0.43 kN/m <sup>2</sup> ) at 75mm headlap 47.5kg/m <sup>2</sup> (0.47 kN/m <sup>2</sup> ) at 100mm headlap
Battens required (net)	2.9 lin.m/m <sup>2</sup> at 75mm headlap 3.1 lin.m/m <sup>2</sup> at 100mm headlap
Batten size recommended	38 x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534) 50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)
Slate nails	45mm x 3.35mm
Fixing clips	Eaves, verge and slate clips
Authority	BS EN 490

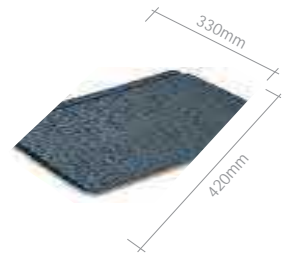
\* The minimum recommended pitch and lap may be influenced by special circumstances, please contact the Technical Advisory Service.

### Sustainability

- ✓ A+ rated in the BRE Green Guide (based on generic rating for UK produced concrete interlocking tiles  
Element Refs: 812410007, 812410018, 812410049)
- ✓ BES 6001 (Responsible Sourcing) certified
- ✓ Independent carbon footprint certification

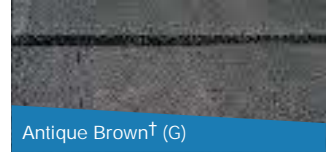
# Modern

A flat, smooth, single-lap interlocking design, whose appearance is enhanced by the required broken bond laying pattern.



## Colour availability

Key (G) Granular finish (S) Smooth finish † Only available without nail holes



## Technical data

Size of slate	420mm x 330mm	
Minimum pitch*	22.5° Smooth (75mm headlap) 17.5° Smooth (100mm headlap)	30° Granular (75mm headlap) 25° Granular (100mm headlap)
Maximum pitch	90°	
Minimum headlap	75mm	
Maximum gauge	345mm	
Tile thickness	30mm (nominal)	
Cover width	292mm (nominal)	
Hanging length	397mm (nominal)	
Covering capacity (net)	9.9 tiles/m <sup>2</sup> at 75mm headlap	10.7 tiles/m <sup>2</sup> at 100mm headlap
Weight of slating (approx.)	50kg/m <sup>2</sup> (0.49 kN/m <sup>2</sup> ) at 75mm headlap	54kg/m <sup>2</sup> (0.53 kN/m <sup>2</sup> ) at 100mm headlap
Battens required (net)	2.9 lin.m/m <sup>2</sup> at 75mm headlap	3.1 lin.m/m <sup>2</sup> at 100mm headlap
Batten size recommended	38 x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534) 50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)	
Tile nails	50mm x 3.35mm	
Fixing clips	Eaves, verge and tile clips	
Authority	BS EN 490	

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

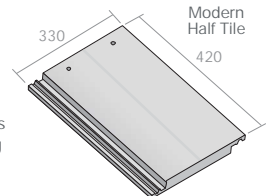
## Sustainability

- ✓ A<sup>+</sup> rated in the BRE Green Guide (based on generic rating for UK produced concrete interlocking tiles  
Element Refs: 812410007, 812410018, 812410049)
- ✓ BES 6001 (Responsible Sourcing) certified
- ✓ Independent carbon footprint certification

## Modern fittings

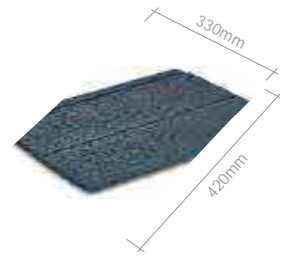
Available in all colours to match main tiles.

Modern should be laid broken bond. The required broken bond pattern is created by the introduction of half tiles, to form verges in alternate courses. Half tiles are formed on-site by cutting along the scoreline.



# Duo Modern

A flat, smooth, single lap, interlocking tile with a 'mock bond' joint is enhanced by the required broken-bond laying technique.



## Colour availability

Key (S) Smooth finish



Old English Dark Red (S)



Smooth Grey (S)

## 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	
Maximum gauge	345mm	
Tile thickness	30mm (nominal)	
Cover width	292mm (nominal)	
Hanging length	397mm (nominal)	
Covering capacity (net)	9.9 tiles/m <sup>2</sup> at 75mm headlap	10.7 tiles/m <sup>2</sup> at 100mm headlap
Weight of slating (approx.)	50kg/m <sup>2</sup> (0.49 kN/m <sup>2</sup> ) at 75mm headlap	54kg/m <sup>2</sup> (0.53 kN/m <sup>2</sup> ) at 100mm headlap
Battens required (net)	2.9 lin.m/m <sup>2</sup> at 75mm headlap	3.1 lin.m/m <sup>2</sup> at 100mm headlap
Batten size recommended	38 x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534) 50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)	
Tile nails	50mm x 3.35mm	
Fixing clips	Eaves, verge and tile clips	
Authority	BS EN 490	

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

## Sustainability

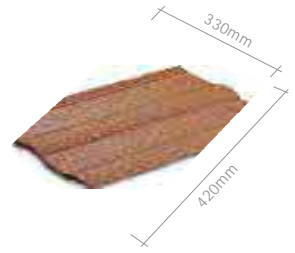
- ✓ A<sup>+</sup> rated in the BRE Green Guide (based on generic rating for UK produced concrete interlocking tiles  
Element Refs: 812410007, 812410018, 812410049)
- ✓ BES 6001 (Responsible Sourcing) certified
- ✓ Independent carbon footprint certification

## Duo Modern fittings

Duo Modern should be laid broken bond. The required broken bond pattern is created by the introduction of three-quarter width tiles, cut from standard tiles on site to form verges in alternate courses.

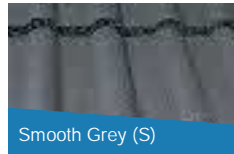
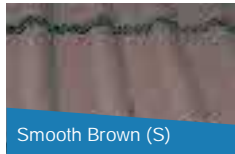
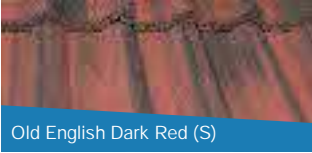
# Double Roman

A 2000 year old profile with precision-engineered functionality.



## Colour availability

**Key** (G) Granular finish (S) Smooth finish



## Technical data

Size of slate	420mm x 330mm	
Minimum pitch*	25° Smooth (75mm headlap) 22.5° Smooth (100mm headlap)	30° Granular (75mm headlap)
Maximum pitch	90°	
Minimum headlap	75mm	
Maximum gauge	345mm	
Body thickness	28mm (nominal)	
Profile depth	d > 20mm	
Overall depth	53mm	
Cover width	300mm (nominal)	
Hanging length	397mm (nominal)	
Covering capacity (net)	9.7 tiles/m <sup>2</sup> at 75mm headlap	10.4 tiles/m <sup>2</sup> at 100mm headlap
Weight of tiling (approx.)	44kg/m <sup>2</sup> (0.43 kN/m <sup>2</sup> ) at 75mm headlap	47kg/m <sup>2</sup> (0.46 kN/m <sup>2</sup> ) at 100mm headlap
Battens required (net)	2.9 lin.m/m <sup>2</sup> at 75mm headlap	3.1 lin.m/m <sup>2</sup> at 100mm headlap
Batten size recommended	38 x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534) 50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)	
Tile nails	65mm x 3.35mm	
Fixing clips	Eaves, verge and tile clips	
Authority	BS EN 490	

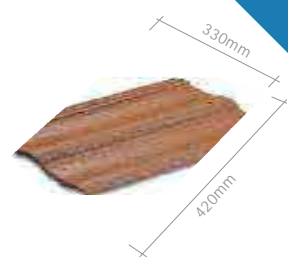
\* The minimum recommended pitch and lap may be influenced by special circumstances, please contact the Technical Advisory Service.

## Sustainability

- ✓ A+ rated in the BRE Green Guide (based on generic rating for UK produced concrete interlocking tiles  
Element Refs: 812410007, 812410018, 812410049)
- ✓ BES 6001 (Responsible Sourcing) certified
- ✓ Independent carbon footprint certification



# Mendip

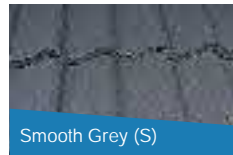


Low pitch

A double pantile design with elegant flowing lines, providing instant visual appeal.

## Colour availability

Key (G) Granular finish (S) Smooth finish



## Technical data

Size of slate	420mm x 330mm	
Minimum pitch*	17.5° Smooth (75mm headlap) 15° Smooth (100mm headlap)	30° Granular (75mm headlap) 25° Granular (100mm headlap)
Maximum pitch	90°	
Minimum headlap	75mm	
Maximum gauge	345mm	
Body thickness	27mm (nominal)	
Profile depth	d > 20mm	
Overall depth	59mm	
Cover width	298mm (nominal)	
Hanging length	397mm (nominal)	
Covering capacity (net)	9.7 tiles/m <sup>2</sup> at 75mm headlap	10.5 tiles/m <sup>2</sup> at 100mm headlap
Weight of tiling (approx.)	46kg/m <sup>2</sup> (0.45 kN/m <sup>2</sup> ) at 75mm headlap	49kg/m <sup>2</sup> (0.48 kN/m <sup>2</sup> ) at 100mm headlap
Battens required (net)	2.9 lin.m/m <sup>2</sup> at 75mm headlap	3.1 lin.m/m <sup>2</sup> at 100mm headlap
Batten size recommended	38 x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534) 50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)	
Tile nails	70mm x 3.35mm	
Fixing clips	Eaves, verge and tile clips	
Authority	BS EN 490	

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

## Sustainability

- ✓ A+ rated in the BRE Green Guide (based on generic rating for UK produced concrete interlocking tiles  
Element Refs: 812410007, 812410018, 812410049)
- ✓ BES 6001 (Responsible Sourcing) certified
- ✓ Independent carbon footprint certification

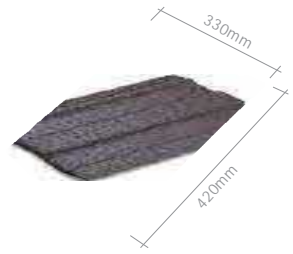
## Extended rafter lengths

Mendip interlocking tiles can now perform at extended rafter lengths as follows:

- 15 - 17.5° pitch with a rafter length up to and including 15m will require a 100mm headlap.
- 17.5° pitch and above with a rafter length up to and including 15m will require a 75mm headlap.

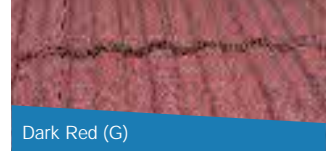
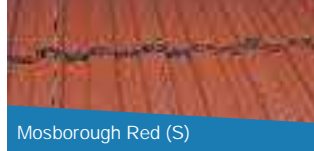
# Ludlow Major

Simple, strong lines exploit the interplay between light and shade.



## Colour availability

**Key** (G) Granular finish (S) Smooth finish



## Technical data

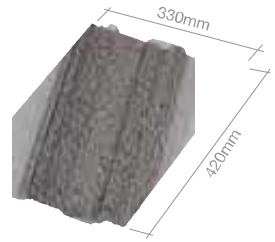
Size of slate	420mm x 330mm	
Minimum pitch*	25° Smooth (75mm headlap) 22.5° Smooth (100mm headlap)	30° Granular (75mm headlap)
Maximum pitch	90°	
Minimum headlap	75mm	
Maximum gauge	345mm	
Body thickness	25mm (nominal)	
Profile depth	d > 11mm	
Cover width	295mm (nominal)	
Hanging length	399mm (nominal)	
Covering capacity (net)	9.8 tiles/m <sup>2</sup> at 75mm headlap	10.6 tiles/m <sup>2</sup> at 100mm headlap
Weight of tiling (approx.)	45kg/m <sup>2</sup> (0.44 kN/m <sup>2</sup> ) at 75mm headlap	49kg/m <sup>2</sup> (0.48 kN/m <sup>2</sup> ) at 100mm headlap
Battens required (net)	2.9 lin.m/m <sup>2</sup> at 75mm headlap	3.1 lin.m/m <sup>2</sup> at 100mm headlap
Batten size recommended	38 x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534) 50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)	
Tile nails	55mm x 3.35mm	
Fixing clips	Eaves, verge and tile clips	
Authority	BS EN 490	

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

## Sustainability

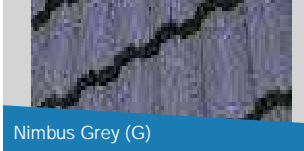
- ✓ A+ rated in the BRE Green Guide (based on generic rating for UK produced concrete interlocking tiles  
Element Refs: 812410007, 812410018, 812410049)
- ✓ BES 6001 (Responsible Sourcing) certified
- ✓ Independent carbon footprint certification

# EcoLogic Ludlow Major



This unique EcoLogic coating applied to the Ludlow Major tile, removes nitrogen oxides and other pollutants from the atmosphere. The tile also includes much higher levels of recycled content.

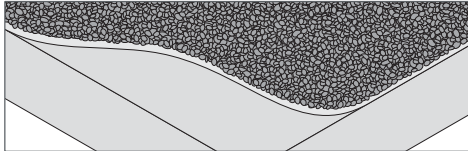
## Colour availability






Nimbus Grey (G)

Key (G) Granular finish

## EcoLogic composition



-  Photocatalytic granules stimulated by sunlight to remove NOx
-  Photocatalytic pigmented slurry adhesive
-  Concrete body containing nearly 50% recycled material

## Technical data

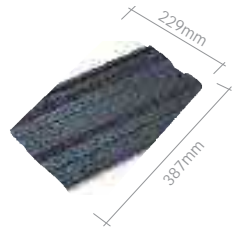
Size of slate	420mm x 330mm	
Minimum pitch*	30° Granular (75mm headlap)	
Maximum pitch	90°	
Minimum headlap	75mm	
Maximum gauge	345mm	
Body thickness	25mm (nominal)	
Profile depth	d > 11mm	
Cover width	295mm (nominal)	
Hanging length	399mm (nominal)	
Covering capacity (net)	9.8 tiles/m <sup>2</sup> at 75mm headlap	10.6 tiles/m <sup>2</sup> at 100mm headlap
Weight of tiling (approx.)	45kg/m <sup>2</sup> (0.44 kN/m <sup>2</sup> ) at 75mm headlap	49kg/m <sup>2</sup> (0.48 kN/m <sup>2</sup> ) at 100mm headlap
Battens required (net)	2.9 lin.m/m <sup>2</sup> at 75mm headlap	3.1 lin.m/m <sup>2</sup> at 100mm headlap
Batten size recommended	38 x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534) 50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)	
Tile nails	55mm x 3.35mm	
Fixing clips	Eaves, verge and tile clips	
Authority	BS EN 490	

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

## Sustainability

- ✓ A<sup>+</sup> rated in the BRE Green Guide (based on generic rating for UK produced concrete interlocking tiles  
Element Refs: 812410007, 812410018, 812410049)
- ✓ BES 6001 (Responsible Sourcing) certified
- ✓ Independent carbon footprint certification
- ✓ High level of recycled content

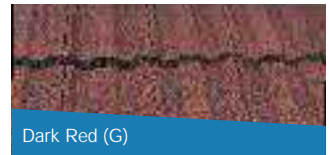
# Ludlow Plus



Ideal for refurbishment applications, where its smaller format reduces wastage.

## Colour availability

**Key** (G) Granular finish (S) Smooth finish



## Technical data

Size of slate	387mm x 229mm	
Minimum pitch*	25° Smooth (75mm headlap) 22.5° Smooth (100mm headlap)	30° Granular (75mm headlap)
Maximum pitch	90°	
Minimum headlap	75mm	
Maximum gauge	312mm	
Body thickness	25mm (nominal)	
Profile depth	d > 11mm	
Cover width	204mm (nominal)	
Hanging length	361mm (nominal)	
Covering capacity (net)	15.7 tiles/m <sup>2</sup> at 75mm headlap 17.1 tiles/m <sup>2</sup> at 100mm headlap	
Weight of tiling (approx.)	47kg/m <sup>2</sup> (0.46 kN/m <sup>2</sup> ) at 75mm headlap 51kg/m <sup>2</sup> (0.50 kN/m <sup>2</sup> ) at 100mm headlap	
Battens required (net)	3.2 lin.m/m <sup>2</sup> at 75mm headlap 3.5 lin.m/m <sup>2</sup> at 100mm headlap	
Batten size recommended	38 x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534) 50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)	
Tile nails	50mm x 3.35mm	
Fixing clips	Eaves, verge and tile clips	
Authority	BS EN 490	

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

## Sustainability

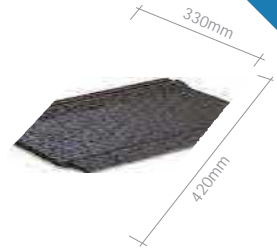
- ✓ A\* rated in the BRE Green Guide (based on generic rating for UK produced concrete interlocking tiles  
Element Refs: 812410007, 812410018, 812410049)
- ✓ BES 6001 (Responsible Sourcing) certified
- ✓ Independent carbon footprint certification

# Wessex



Low pitch

Designed to shed water efficiently at pitches down to 15°, the Wessex has clean, simple lines with a pleasing minimalist style.



## Colour availability

Key (S) Smooth finish



## Technical data

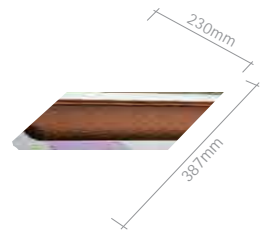
Size of slate	420mm x 330mm
Minimum pitch*	15° Smooth
Maximum pitch	44°
Minimum headlap	75mm
Maximum gauge	345mm
Body thickness	29mm (nominal)
Profile depth	d > 20mm
Overall depth	56mm
Cover width	298mm (nominal)
Hanging length	403mm (nominal)
Covering capacity (net)	9.7 tiles/m <sup>2</sup> at 75mm headlap 10.5 tiles/m <sup>2</sup> at 100mm headlap
Weight of tiling (approx.)	50kg/m <sup>2</sup> (0.49 kN/m <sup>2</sup> ) at 75mm headlap 53kg/m <sup>2</sup> (0.52 kN/m <sup>2</sup> ) at 100mm headlap
Battens required (net)	2.9 lin.m/m <sup>2</sup> at 75mm headlap 3.1 lin.m/m <sup>2</sup> at 100mm headlap
Batten size recommended	38 x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534) 50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)
Tile nails	45mm x 3.35mm
Fixing clips	Eaves, verge and tile clips
Authority	BS EN 490

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

## Sustainability

- ✓ A+ rated in the BRE Green Guide (based on generic rating for UK produced concrete interlocking tiles  
Element Refs: 812410007, 812410018, 812410049)
- ✓ BES 6001 (Responsible Sourcing) certified
- ✓ Independent carbon footprint certification

# Anglia



A single-lap interlocking concrete tile with the classic clay pantile profile and a bullnosed leading edge design.

## Colour availability



**Key** (G) Granular finish (S) Smooth finish



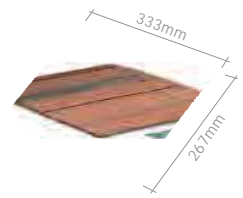
Technical data		
Size of slate	387mm x 230mm	
Minimum pitch*	30° Smooth (75mm headlap) 25° Smooth (100mm headlap)	30° Granular (75mm headlap)
Maximum pitch	90°	
Minimum headlap	75mm	
Maximum gauge	312mm	
Body thickness	30mm (nominal)	
Profile depth	d > 20mm	
Overall depth	71mm	
Cover width	204mm (nominal)	
Hanging length	370mm (nominal)	
Covering capacity (net)	15.7 tiles/m <sup>2</sup> at 75mm headlap 17.1 tiles/m <sup>2</sup> at 100mm headlap	
Weight of tiling (approx.)	47kg/m <sup>2</sup> (0.46 kN/m <sup>2</sup> ) at 75mm headlap 51kg/m <sup>2</sup> (0.50 kN/m <sup>2</sup> ) at 100mm headlap	
Battens required (net)	3.2 lin.m/m <sup>2</sup> at 75mm headlap 3.5 lin.m/m <sup>2</sup> at 100mm headlap	
Batten size recommended	38 x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534) 50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)	
Tile nails	38mm x 3.35mm	
Fixing clips	Eaves, verge and tile clips	
Authority	BS EN 490	

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

## Sustainability

- ✓ A\* rated in the BRE Green Guide (based on generic rating for UK produced concrete interlocking tiles  
Element Refs: 812410007, 812410018, 812410049)
- ✓ BES 6001 (Responsible Sourcing) certified
- ✓ Independent carbon footprint certification

# Ashmore



A single lap, interlocking double plain tile, with the engineered precision and ease of installation of an interlocking tile.

## Colour availability



Key (S) Smooth finish

Technical data		
Size of slate	267mm x 333mm	
Minimum pitch*	25° (77mm headlap)	22.5° (92mm headlap)
Maximum pitch	90°	
Minimum headlap	77mm	
Maximum gauge	190mm	
Tile thickness	16mm (nominal)	
Cover width	302mm (nominal)	
Hanging length	235mm (nominal)	
Covering capacity (net)	17.5 tiles/m <sup>2</sup> at 77mm headlap	19 tiles/m <sup>2</sup> at 92mm headlap
Weight of tiling (approx.)	48kg/m <sup>2</sup> (0.47 kN/m <sup>2</sup> ) at 77mm headlap	52kg/m <sup>2</sup> (0.51 kN/m <sup>2</sup> ) at 92mm headlap
Battens required (net)	5.3 lin.m/m <sup>2</sup> at 77mm headlap	5.8 lin.m/m <sup>2</sup> at 92mm headlap
Batten size recommended	38 x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534) 50 x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)	
Tile nails	45mm x 3.35mm	
Fixing clips	Eaves, verge and tile clips	
Authority	BS EN 490	

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

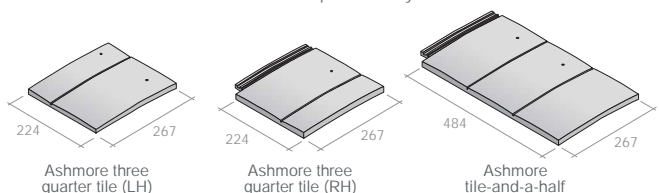
## Sustainability

- ✓ A+ rated in the BRE Green Guide (based on generic rating for UK produced concrete interlocking tiles. Element Refs: 812410007, 812410018, 812410049)
- ✓ BES 6001 (Responsible Sourcing) certified
- ✓ Independent carbon footprint certification

## Ashmore fittings

Available in all colours to match main tiles.

Ashmore tiles should be laid broken bond. The required broken bond pattern is created by the introduction of three-quarter width tiles in alternate courses. Tile-and-a-half tiles are available for use at hips and valleys.





# Fittings and accessories

Concrete third round hip tiles (with Ashmore Old English Dark Red), Windsor



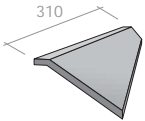
# Clay fittings and accessories

## Clay ridges, hips and valleys

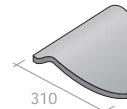
Available in a range of colours and angles. Recommended roof pitch may vary depending on product and system used. For details of the full range of hips and valleys, please contact the Technical Advisory Service.

**Important note: All of the fittings shown on this page can be used with all Clay Plain Tiles, but should not be used on a rafter pitch below 35° with Acme double camber and Ashdowne clay plain tiles.**

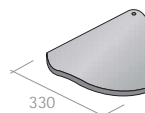
- 1 Made to order (subject to minimum order quantities)
- 2 Some colours and angles made to order (subject to minimum order quantities)
- 3 Staffordshire Blue available to order
- † Angle ridge wing length will vary depending on ridge angle



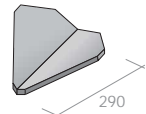
**Arris hip<sup>2</sup>**  
30-45° pitch  
130°, 135°, 145° angles



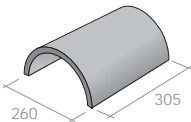
**Granny bonnet hip**  
40-60° pitch



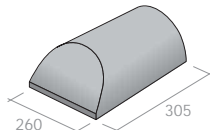
**Semi-bonnet hip**  
30-40° pitch



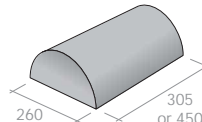
**Valley<sup>2</sup>**  
30-50° pitch  
130-150° angles



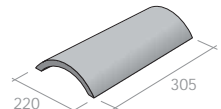
**Half round ridge**  
30-50° pitch



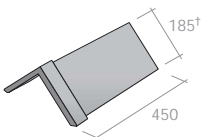
**Half round ridge hip end<sup>1</sup>**  
30-50° pitch



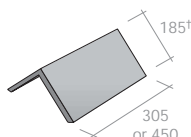
**Half round ridge stop end<sup>1</sup>**  
30-50° pitch



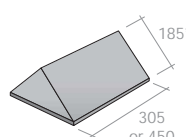
**Third round hip<sup>2</sup>**  
30-45° pitch



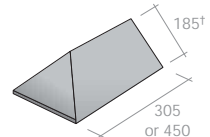
**450mm capped angular ridge<sup>3</sup>**  
75°-135° angles bedded  
(Red Smooth and Slate Black only)



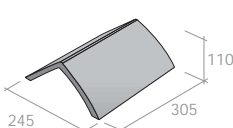
**Angular ridge**  
305mm 90-105°  
(All colours)<sup>2</sup>  
450mm 75-135°  
(Red Smooth and Slate Black)



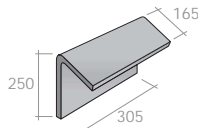
**Angular ridge stop end<sup>1</sup>**  
75-135° angles



**Angular ridge hip end<sup>1</sup>**  
75-135° angles



**Hogs back ridge<sup>2</sup>**  
30°-45° pitch

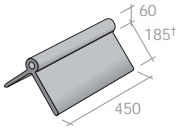


**Mono ridge<sup>1</sup>**  
30-45° pitch

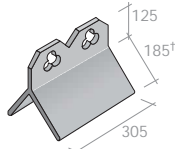
# Clay fittings and accessories

## Clay crested ridges

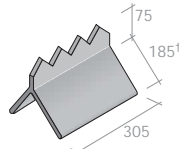
Available in a range of colours and angles. Recommended roof pitch may vary depending on product and system used. For details of the full range of hips and valleys, please contact the Technical Advisory Service.



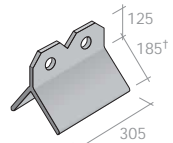
**Plain roll top<sup>2</sup>**  
75-135° angles  
(Red Smooth and Slate Black)



**Club crested ridge**  
90° and 105° angles  
(Red Smooth)



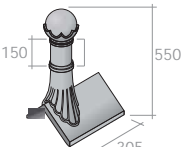
**Cocks comb crested ridge**  
90° and 105° angles  
(Red Smooth)



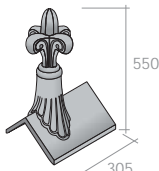
**Two hole crested ridge**  
90° and 105° angles  
(Red Smooth)

## Clay finials

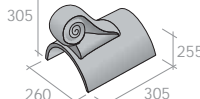
Available in a range of colours and angles. Recommended roof pitch may vary depending on product and system used, please contact the Technical Advisory Service.



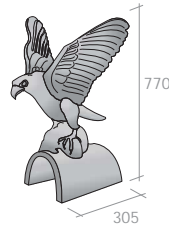
**Ball top finial<sup>1</sup>**  
Half round and plain angle bases available



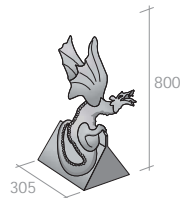
**Fleur-de-Lys gable<sup>1</sup>**  
Half round and plain angle bases available



**Scroll finial<sup>1</sup>**  
Half round and plain angle bases available



**Falcon finial<sup>1</sup>**  
Half round and plain angle bases available in 75°, 90° and 105° only



**Dragon finial<sup>1</sup>**  
75° and 90° Plain angle bases only

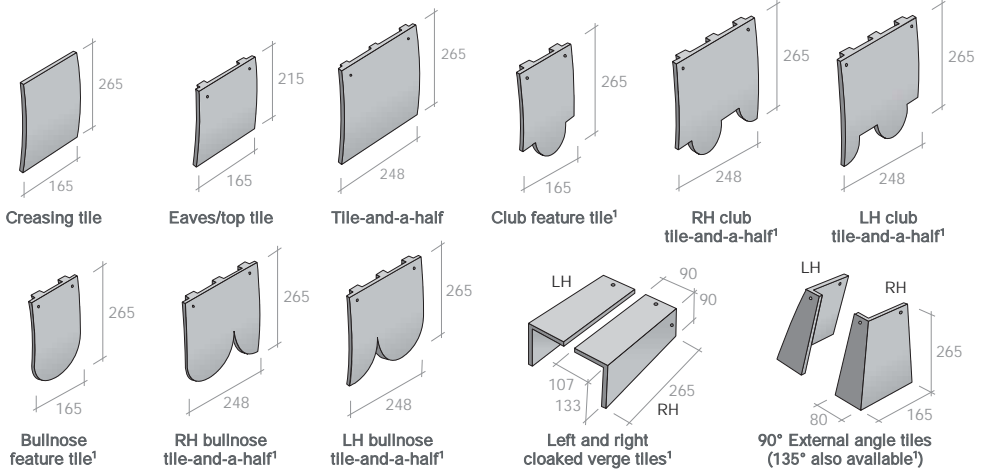
**Important note:** All of the fittings shown on this page can be used with all Clay Plain Tiles, but should not be used on a rafter pitch below 35° with Acme double camber and Ashdowne clay plain tiles.

- 1 Made to order (subject to minimum order quantities)
- 2 Some colours and angles made to order (subject to minimum order quantities)
- † Angle ridge wing length will vary depending on ridge angle

## Clay plain tile fittings

Available in a range of colours.

1 Made to order (subject to minimum order quantities)

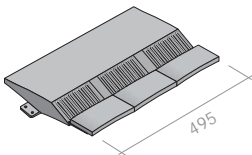


The following dry fix and/or ventilation systems can also be used with clay plain tiles (see page 47):

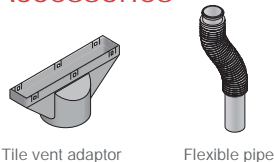
- > Universal 10mm eaves vent system
- > Universal 25mm eaves vent system
- > Universal plain tile vent
- > Universal RidgeFast system (subject to ridge/hip angle)
- > Universal HipFast system (subject to ridge/hip angle)

## Clay in-line tile vent

Available in a range of bases with real clay tile slips on the visible edge (3 tiles wide). The clay tile vent provides a net ventilation area of 7,500mm<sup>2</sup> per vent. Suitable for natural, mechanical or soil pipe ventilation.



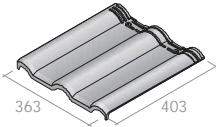
## Accessories



# Clay interlocking fittings and accessories

## Clay interlocking tile fittings

Available in Natural Red.



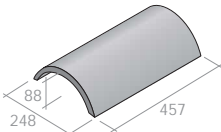
Maxima left hand verge tile (double roll)



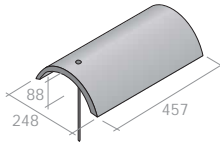
Melodie left hand verge tile (double roll)

## Concrete ridges and hips for use with clay interlocking tiles

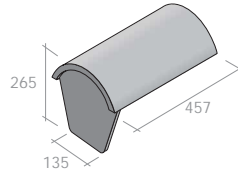
Available in Mosborough Red. Recommended roof pitch may vary depending on product and system used, please contact the Technical Advisory Service.



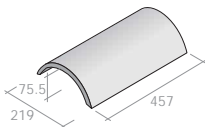
Segmental ridge



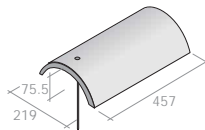
Segmental security ridge



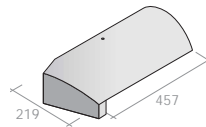
Segmental block end ridge



Third round hip



Third round security hip



Third round stop end hip

The following Universal products and accessories can be used with concrete segmental ridges, third round hip tiles and for use with Maxima and Melodie interlocking clay tiles.

- > Universal 10mm eaves vent system
- > Universal 25mm eaves vent system
- > Universal HipFast system
- > Universal GRP dry valley
- > Universal tile vent (Maxima only)
- > Mortar bedded security ridge
- > Mortar bedded security hip

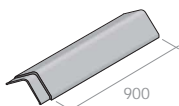
# Fibre cement and concrete plain tile fittings

## Fibre cement fittings

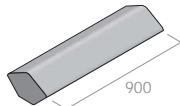
Increments are in 5° where ranges of angle are indicated. Available in Blue/Black. Recommended roof pitch may vary depending on product and system used, please contact the Technical Advisory Service. **See page 47 for Universal accessories, which are compatible with fibre cement slates.**

† 6m ventilated Ridge Roll is available to provide continuous ventilation.

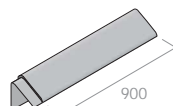
Also available: In-line ridge ventilator stepped adaptor, Flexible pipe.



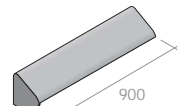
**Duo pitch ridge\***  
(15° to 60°)



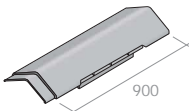
**Stop end for duo pitch ridge\***  
(15° to 60°)



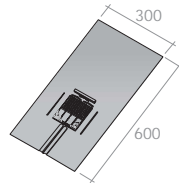
**Monopitch ridge\***  
(15° to 45°)



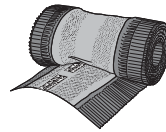
**Stop end for monopitch ridge\***  
(15° to 45°)



**In-line ridge ventilator plus extension sleeve**  
(20° to 45°)



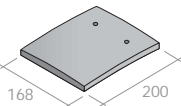
**In-line slate ventilator**



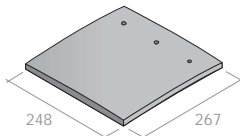
**Fibre cement ridge roll**

## Concrete plain tile fittings

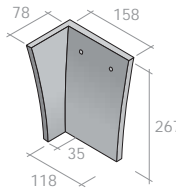
Available in all colours to match main tiles.



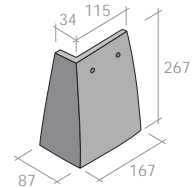
**Plain eaves/top tile**



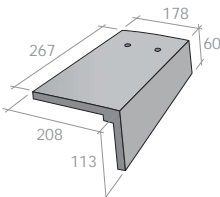
**Plain tile-and-a-half**



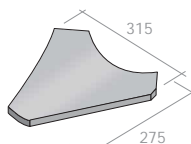
**Internal angle**  
Left and right hand available



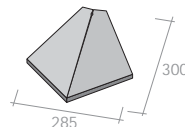
**External angle**  
Left and right hand available



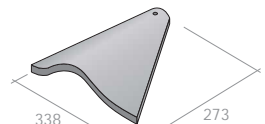
**Cloak verge tile**  
Left and right hand available



**Valley tile**  
35-50°



**Arris hip**  
35-40°



**Bonnet hip**  
35-50°

# Concrete fittings

## Verges, ridges and hips

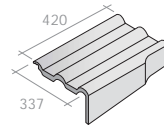
Available in a range of colours to match main tiles.  
Recommended roof pitch may vary depending on product and system used, please contact the Technical Advisory Service.

† Compatible with Marley Eternit ventilated dry ridge system.

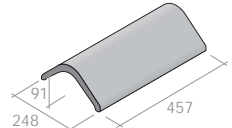
‡ Compatible with Marley Eternit dry hip system.

§ Compatible with Marley Eternit Universal HipFast.

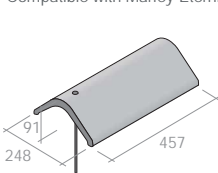
\* Compatible with Marley Eternit Universal RidgeFast.



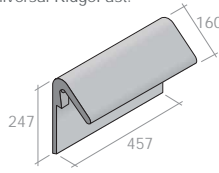
**Cloak verge**  
Modern, Mendip and Double Roman (see page 51)



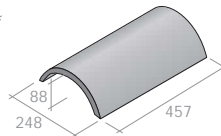
**Modern ridget†\***  
15-55° dry ridge



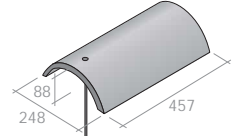
**Modern security ridge**  
15-45° bedded



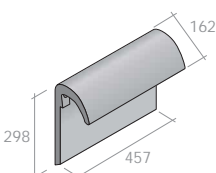
**Modern mono ridge**  
15-45° bedded



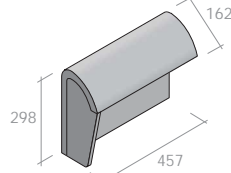
**Segmental ridget\***  
15-55° dry ridge



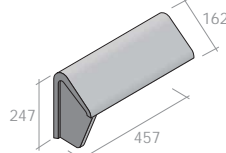
**Segmental security ridge**  
15-50° bedded



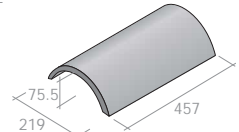
**Segmental mono ridget**  
15-55° dry ridge



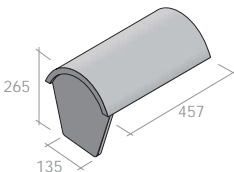
**Segmental mono block end ridge**  
15-55° dry ridge



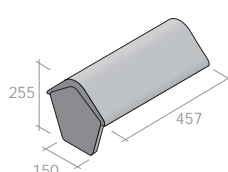
**Modern mono block end ridge**  
15-45° bedded



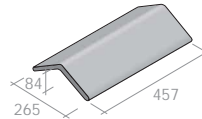
**1/3 round hip tile‡§**  
17.5-45° dry ridge



**Segmental block end ridge\***  
15-55° dry ridge



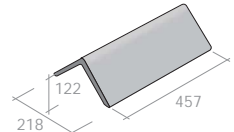
**Modern block end ridge\***  
15-55° dry ridge



**125° Angle ridge hip** 15-25°  
**Security 125° Angle ridge/hip** 15-25°

Also available:

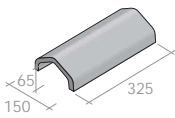
**145° Angle ridge hip** 15-22.5°  
**Security 145° Angle ridge/hip** 15-22.5°



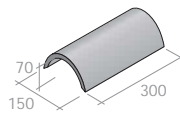
**90° Angle ridge/hip**  
45-50° bedded

Also available:

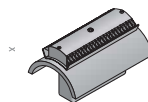
**Security 90° Angle ridge/hip**  
45-50°



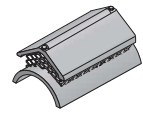
**Pascoll roll baby ridge**  
15-45°



**1/2 round baby ridge**  
15-55°



**Ridge vent terminal**  
15-55° dry ridge



**Gas vent ridge terminal**  
15-55° dry ridge

Also available:

**Gas vent ridge for condensing boilers**  
Modern ridge 15-55°  
Segmental ridge 15-55°

# Fixings

## Clip and nail packs

The table below shows the quantities packaged together with the correct sized nails.

	Tile clip & nail pack 100 clips & nails		Tile clip & nail pack 500 clips & nails		Right hand verge clip & nail pack 50 clips & nails		Left hand verge clip & nail pack 50 clips & nails		Eave clip and nail pack 100 clips & nails		500g nail pack		Approx. Count
	Code No.	Pack No.	Code No.	Pack No.	Code No.	Pack No.	Code No.	Pack No.	Code No.	Pack No.	Code No.	Pack No.	
<b>Aluminium alloy</b>													
Ludlow Plus	30265	1	30266	6	30290	33	30290	33	30277	22	30350	27	396
Anglia	30269	3	30270	8	30284	12	30286	14	30274	19	30349	26	520
Ludlow Major/EcoLogic	30265	1	30266	6	30287	15	30287	15	30277	22	30371	32	373
Mendip	30267	2	30268	7	30288	16	30287	15	30276	21	30352	29	287
Double Roman	30271	4	30272	9	30289	17	30290	33	30275	20	30351	28	308
Wessex	30267	2	30268	7	30286	14	30286	14	30278	23	–	–	–
Modern	30265	1	30266	6	30290	33	30290	33	30273	18	30350	27	396
Duo Modern	30265	1	30266	6	30290	33	30290	33	30273	18	30350	27	396
Edgemere range	30295	5	30296	10	30263	11	30263	11	30297	24	30398	31	432
Ashmore*	–	–	–	–	30263	11	30263	11	30297	24	30398	31	432
Plain	–	–	–	–	–	–	–	–	–	–	30348	25	793
<b>Stainless steel</b>													
Anglia	–	–	30102	41	–	–	–	–	30111	51	30121	61	182
Mendip	–	–	30103	42	–	–	–	–	30112	52	30123	63	99
Double Roman	–	–	30104	43	–	–	–	–	30116	56	30124	64	109
Wessex†	–	–	30103	42	–	–	–	–	–	–	–	–	–
Edgemere range	–	–	30105	44	–	–	–	–	30115	55	30125	65	109
Ashmore	30130	34	30131	35	–	–	–	–	–	–	30125	65	109
Plain	–	–	–	–	–	–	–	–	–	–	30126	66	302
Ludlow Plus	See 'Soloifix' below	–	See 'Soloifix' below	–	–	–	–	–	30110	50	30120	60	137
Ludlow Major/EcoLogic	See 'Soloifix' below	–	See 'Soloifix' below	–	–	–	–	–	30110	50	30127	67	137
Modern	See 'Soloifix' below	–	See 'Soloifix' below	–	–	–	–	–	30114	54	30120	60	137
Duo Modern	See 'Soloifix' below	–	See 'Soloifix' below	–	–	–	–	–	30114	54	30120	60	137

\* Clips only

†Wessex eaves clip and nail pack only available in aluminium alloy.

## Fibre cement slate fixings

Description	Colour	Quantity
Copper disc rivets		1000
Copper nails		1000
60mm x 14 Gauge Self-sealing screws	Blue/Black	100
Slate hooks for low pitch Birkdale		500

## Solo-fix

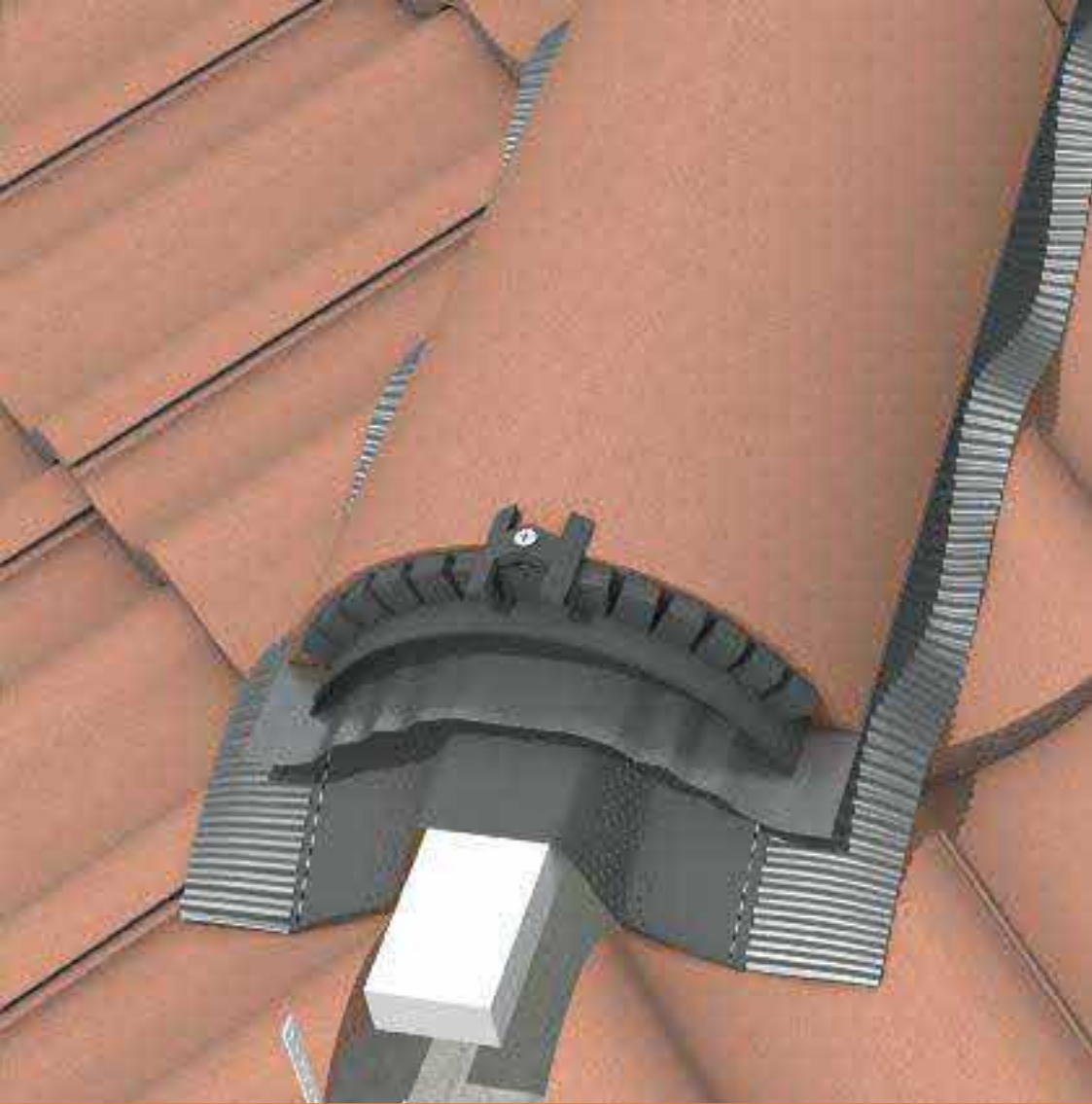
Integrated one-piece clip and nail manufactured from zial coated steel for strength and durability.

Profile	Code No.	Quantity
Ludlow Plus/Ludlow Major/EcoLogic/ Modern/Duo Modern	30430	500 per pack

## Clay interlocking tile fixings

Maxima clips and nails	Code No.	Type	Quantity
Tile clip	30271	clip & nail	100
	30272	clip & nail	500
Eave clip	30452	clip	100
Eave clip nail	30455	nail	100
RH verge clip (for standard tile)	30289	clip & nail	50
LH verge clip (for verge tile)	30289	clip & nail	50
LH verge clip (for standard tile)	30290	clip & nail	50

Melodie clips and nails	Code No.	Type	Quantity
Tile clip	30456	clip & nail	500
Eave clip	30452	clip	100
Eave clip nail	30455	nail	100
RH verge clip	30285	clip & nail	50
LH verge clip (for verge tile)	30285	clip & nail	50



# Dry fix and ventilation

Universal HipFast system



# System selector

	Clay plain tiles	Maxima	Melodie	Concrete plain tiles	Fibre cement slates	Edgemere range	Modern / Duo Modern	Double Roman	Mendip	Ludlow Major / Ecologic	Wessex	Ludlow Plus	Anglia	Ashmore	
<b>Universalroofing accessories</b>															
10mm eaves vent system	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
25mm eaves vent system	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Dry verge							✓	✓	✓	✓	✓				
HipFast	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
RidgeFast	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Tile vent	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	
GRP dry valley system	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	
Ridge Roll					✓										
<b>Dry verge</b>															
Cloak verge system	✓			✓			✓*	✓	✓						
Slate verge trim					✓										
Edgemere dry verge						✓									
Ashmore dry verge	✓			✓										✓	
<b>Dry hip</b>															
Dry hip system				✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	
Dry hip with duo pitch ridges					✓										
<b>Dry valley</b>															
Plain tile valley	✓			✓											
GRP interlocking slate dry valley system					✓										
<b>Ventilated dry ridge</b>															
Ventilated dry ridge				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Ventilated mono dry ridge				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Fibre cement ventilated ridges					✓										
<b>Ventilation terminals</b>															
Gas vent ridge terminals				✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	
Ridge vent terminals				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
In-line vents and contour vents	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Tile vent terminals						✓	✓	✓	✓	✓	✓			✓	
Ridge vent for condensing boiler				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

\* Suitable for Modern only

# Universal roofing accessories

Suitable for use with Marley Eternit roofing products and those of other manufacturers.



## Universal 10mm/25mm eaves vent

Designed for use with all tiles and slates. The over fascia strip ventilator satisfies requirements for 10mm or 25mm continuous eaves ventilation.

<b>Universal 10mm eaves vent system (6m pack)</b>	46350
- 6m eaves rafter roll	
- 10 No. felt support tray	
- 6 No. strip ventilator	

<b>Universal 25mm eaves vent system (6m pack)</b>	46351
- 6m eaves rafter roll	
- 10 No. felt support tray	
- 6 No. strip ventilator	

Comb filler strip	30425
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Continuous rafter roll (2 x 6m)	46323
---------------------------------	-------



## Universal Dry verge

Designed for use with large format interlocking tiles installed at a range of headlaps and rafter pitches from 15° to 45° (suitable up to 55° subject to ridge system).

<b>Dry verge system</b>	
28 No. left hand units	391*
28 No. right hand units	392*
Fixing kit (also available)	39300

<b>End caps</b>	
Modern ridge	394*
Segmental ridge	395*
Modern mono-ridge	Left hand 408*
	Right hand 409*
Segmental mono-ridge	Left hand 427*
	Right hand 428*

<b>Dry verge refurbishment kit</b>	35800
------------------------------------	-------

\* Suffix with colour code  
01 Grey, 03 Brown,  
04 Terracotta



## Universal HipFast

Simple and rapidly installed dry fix system compatible with all tiles and slates up to 45° (suitable up to 60° subject to tile/slate profile).

<b>Universal HipFast system (6m pack)</b>	34001
- 6m length hip roll	
- 6 No. batten brackets	
- 13 No. hip unions	
- 2 No. tapered filler units	

<b>Fixing material</b>	
- 24 No. tile head clips	
- 30 No. tile tail clips	

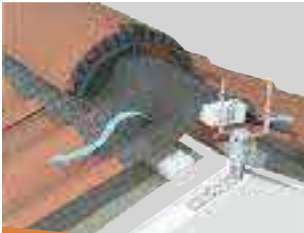
<b>Hip support trays</b>	34002
- 9 No. 715mm	

<b>RidgeFast/HipFast Union Packs</b>	33003
--------------------------------------	-------



## Technical toolkit

Marley Eternit's website features helpful tools that make design and specification as straightforward as possible:  
[marleyeternit.co.uk/resources](http://marleyeternit.co.uk/resources)



### Universal RidgeFast

Simple and rapidly installed dry fix system providing 5mm continuous ridge ventilation and compatible with all tiles and slates from 15° to 60° dependent on circumstances\*.

<b>Universal RidgeFast system (6m pack)</b>	33000
- 6m length ridge roll	
- 10 No. ridge batten brackets	
- 13 No. ridge union straps	
- 13 No. ridge union clamps	

RidgeFast roll applicator (optional)	33002
RidgeFast blanking tape (optional)	33001

\* Contact Technical Advisory Service for more information



### Universal Tile vent

For roof void ventilation and connection to 110mm soil/mechanical extract system. Compatible with large format interlocking tiles and roof pitches 20° and above.

<b>Universal Tile vent</b>	
Grey	36700
Brown	36703
Terracotta	36704

<b>Flexible pipe</b>	39091
----------------------	-------



### Universal GRP dry valley

Mortar free solution suitable for use with concrete interlocking tiles/slates and concrete/clay plain tiles. Suitable on rafter pitches from 17.5° to 60° and accommodates up to 20° pitch difference either side of valley.

<b>Universal GRP dry valley (3m lengths)</b>	
low profile	30422
high profile	30421



## More about our dry fix systems

Our dedicated website contains further information about dry fix and ventilation solutions, including the Universal range, which not only works with our roof tiles and slates, but those of other manufacturers too: [www.whydryfix.co.uk](http://www.whydryfix.co.uk)

# Dry fix and ventilation



## Universal Plain tile vent

Designed for natural, mechanical or soil pipe ventilation. Provides 10,000mm<sup>2</sup> free area of ventilation and suitable for Ashmore and Plain tile roof pitches 22.5° and above†.

### Universal plain tile vent

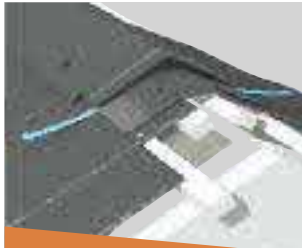
Grey	45501
Brown	45502
Red	45504
Clay Red	45505
Clay Brown	45506

Flexible pipe ID 110mm (sold separately)	39091
---	-------

### Pressure resistance values

Pa (litres/sec airflow)	15	30	60
Free air area 10000m <sup>2</sup>	13.6	53.7	21

† Please note minimum pitch of tile will apply.



## Universal Ridge roll

Simple and rapidly installed dry fix system providing 5mm continuous ridge ventilation. Compatible with fibre cement slates and ridges.

### Ridge roll

Fibre cement ventilated dry ridge (illustrated above)	33010
Duo pitch ridge	(no code)
Stop end for duo pitch ridge	(no code)
Mono ridge	(no code)
Stop end for mono ridge	(no code)
Ventilated ridge roll	(no code)



## Continuous dry verge systems

For both new and refurbishment work, provides a mechanically fixed, durable, maintenance free verge solution for rafter pitches up to 55° with fibre cement slates and natural slates.

### Slate verge trim (illustrated above)

Fibre cement slates (3 metre)	MA42206
----------------------------------	---------

### Ashmore and plain tile dry verge

Verge section (3 metre)	38501
Fixing kit	38510



## Technical toolkit

Marley Eternit's website features helpful tools that make design and specification as straightforward as possible:  
[marleyeternit.co.uk/resources](http://marleyeternit.co.uk/resources)



### Cloak verge systems

Provides a mechanically fixed, durable, maintenance free verge solution. Suitable up to 45° for Mendip, Modern, Double Roman tiles and 55° for plain tiles.

#### Mendip cloak verge (illustrated above)

Left hand	245
Right hand	246
Mendip half tile	147
Mendip fixing kit	42520

#### Double Roman cloak verge

Left hand	265
Right hand	266
Double Roman half tile	102
Double Roman fixing kit	42520

#### Concrete plain tile cloak verge

Left hand	249
Right hand	250

#### Segmental block end ridge

	191
--	-----

#### Segmental mono block end ridge

Left hand	189
Right hand	190

#### Modern cloak verge

Left hand	371
Right hand	370
Modern cloak verge half tile	372
Modern fixing kit	37300

#### Modern block end ridge

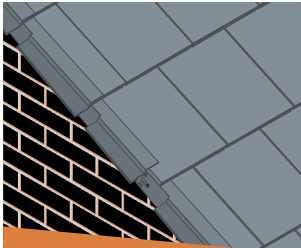
	374
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#### Modern mono block end ridge

Left hand	375
Right hand	376

#### Clay plain tile cloak verge (no code)

Available in all colours to match main tiles.



### Edgemere dry verge systems

Compatible with Edgemere, installed at a range of headlaps and rafter pitches from 17.5° to 45° (suitable up to 55° when used with the 'steep pitch ridge batten section', see Dry ridge system).

#### Verge units

Left hand	381*
Right hand	382*

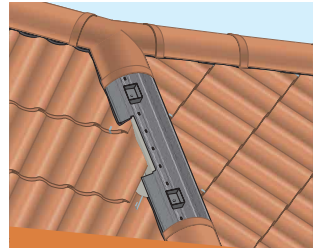
Edgemere dry verge fixing kit	38300
-------------------------------	-------

#### End caps

Edgemere ridge	384*
Modern mono-ridge	
Left hand	408*
Right hand	409*

Dry verge refurbishment kit	35800
-----------------------------	-------

\* Suffix with colour code  
01 Grey, 03 Brown,



### Dry hip system

Suitable for all concrete tiles when used in conjunction with Third round or Modern hip tiles for roof pitches 15° to 45°.

#### Batten sections

Low profile	43300
High profile	43400

#### Fixing kits

Low profile	43601
High profile	43611

Hip tail clip pack	43602
--------------------	-------

#### Ridge unions

Modern ridge union	4140*
Third round hip union	4350*

#### Apex caps

Modern hip apex cap	(15-24°)4381*
	(25-35°) 4382*
	(36-45°) 4383*
Third round hip apex cap	(15-24°)4371*
	(25-35°)4372*
	(36-45°) 4373*

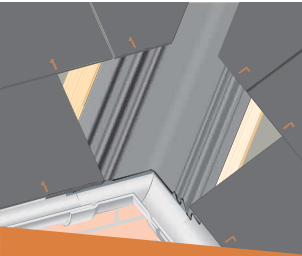
#### Block end hip tiles

Third round block end hip tile	291
Modern block end hip tile	292

\* Suffix with colour code  
01 Grey, 03 Brown,  
04 Terracotta



# Dry fix and ventilation



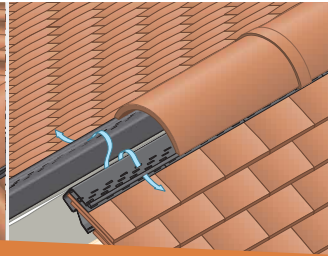
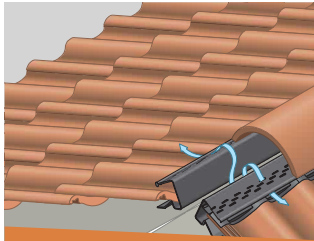
## Valley systems

The GRP Valley for large format tiles and Slate GRP Dry Valley for fibre cement slates are both suitable for roof pitches from 22.5° to 45°.

### Slate GRP dry valley

(illustrated above)

For fibre cement slates 30578



## Dry ridge systems

Mechanically fixed, weathertight and mortar free solution providing 5mm continuous ridge ventilation. Suitable for concrete tiles and fibre cement slates when used in conjunction with Segmental or Modern ridge tiles for roof pitches up to 55°.

### Batten sections

Plain tile	41099
Low profile	41101
High profile	41201
Steep pitch (low profile)	41102
Steep pitch (high profile)	41202

### Ridge unions

Segmental ridge union	413*
Segmental mono-ridge union	423*
Modern ridge union	414*
Modern/segmental adaptor ridge union	420*

### Fixing Kits

Concrete tiles & slates fixing kit	41000
------------------------------------	-------

\* Suffix with colour code 01 Grey, 03 Brown, 04 Terracotta

### Filler units†

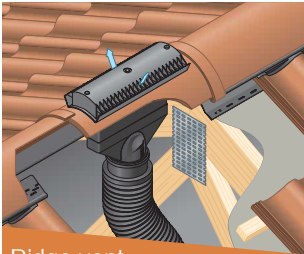
Double Roman filler unit - vented	42105
Plain / Modern / Duo Modern / Edgemere filler unit - vented	41501
Double lap slates filler unit - vented	41703
Ludlow Major filler unit - vented	41601
Ludlow Plus filler unit - vented	41508
Mendip filler unit - vented	41701
Wessex filler unit - vented	41901
Anglia filler unit - vented	41506
Dry ridge set out gauge	41001

### Apex caps

Segmental ridge junction	439*
Modern ridge junction	440*
Top abutment support strip	42505
Top abutment fixing kit	41000

† Where non-vented dry ridge is required, use Blanking Tape (2 x 2m, code 33001)





### Ridge vent terminals

Suitable for soil/mechanical ventilation. Provides high level ventilation for concrete tiles (9,500mm<sup>2</sup> free area), clay plain tiles or fibre cement slates (10,000mm<sup>2</sup> free area).

<b>Ridge vent terminal</b> (illustrated above) (concrete tiles)	198
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<b>Ridge for condensing boilers</b>	
Segmental	254
Modern	255

<b>Gas vent ridge terminal</b> (concrete tiles)	
(with extension piece)	256
Gasket set (spare)	30346

Plumbers accessory pack	39090
-------------------------	-------

For full product codes, please speak to Customer Services on 08705 626400.



### Tile vent terminals

Available in a wide range of colours and finishes provides for high/low level roof space ventilation. Suitable for soil/mechanical ventilation (except Ashmore)†.

<b>Terminals (with spigot)</b>	
Mendip (illustrated above)	294
Edgemere	259
Modern	295
Wessex	296
Ludlow Major	297
Double Roman	298

Flexible pipe	39091
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<b>Ventilation roof tiles</b> (with catchment tray)	
Ashmore	263

Available in all colours to match main tiles.

† Please note minimum pitch of tile will apply.



### In-line vents

Discreet high performance vent terminals for high/low level roof space ventilation. Suitable for soil and mechanical ventilation. Minimum roof pitch 22.5° (except Plain tiles 35°).

<b>Contour tile vents</b>	
Mendip (illustrated above)	452*
Ashmore	450*
Plain (clay and concrete)	455*
Edgemere	465*
Modern	451*
Wessex	459*
Ludlow Major	456*
Double Roman	453*
Ludlow Plus	457*
Anglia	460*

Clay in-line tile ventilator	(no code)
Clay in-line tile adaptor	(no code)

Flexible pipe	39091
---------------	-------

<b>Fibre cement in-line slate ventilator</b>	(no code)
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\* Suffix with colour code 01 Grey, 03 Brown, 05 Red

# Dry fix and ventilation



## Mortar bedded security ridge

Mechanical fixing system for mortar bedded ridge tiles, helping house builders and contractors meet British Standards and NHBC guidelines.

- Mortar bedded security ridge kit**  
(illustrated above) 43605
- 10 No. batten brackets
  - 13 No. clamps
  - 13 No. 75mm x 4.8mm s/s screws
  - 40 No. 25mm x 2.65mm s/s ARS nails

Watch a quick video on mortar bedded mechanical fixing at [marleyeternit.co.uk/securityridge](http://marleyeternit.co.uk/securityridge) or scan the QR code below



## Mortar bedded security hip

Mechanical fixing system for mortar bedded hip tiles, helping house builders and contractors meet British Standards and NHBC guidelines.

- Mortar bedded security hip kit**  
(illustrated above) 43606
- 6 No. batten brackets
  - 13 No. clamps
  - 13 No. 75mm x 4.8mm s/s screws
  - 40 No. 25mm x 2.65mm s/s ARS nails

- Tile tail clip pack 43602
- Tile head clip pack 43604

Watch a quick video on mortar bedded mechanical fixing at [marleyeternit.co.uk/securityhip](http://marleyeternit.co.uk/securityhip) or scan the QR code below





### More about our dry fix systems

Our dedicated website contains further information about dry fix and ventilation solutions, including the Universal range, which not only works with our roof tiles and slates, but those of other manufacturers too: [www.whydryfix.co.uk](http://www.whydryfix.co.uk)





# Other products

Farmscape and Profile 3 profiled sheeting, Coastal House, Hampshire

# Profiled sheeting

Marley Eternit are the only manufacturer of fibre cement within the UK. We have been producing profiled sheeting for over 90 years and offer a wide range of corrosion-resistant and low maintenance systems across a wide range of sectors: commercial, residential, educational and agricultural.



## Painted colour range

Experience gained over many years has shown that the standard Marley Eternit colour range will meet the majority of design requirements in both rural and urban areas.

All the standard colours have been chosen for their ability to harmonise with the most commonly used building materials –brick, slate, stone, concrete and timber.

\* Matt finish



## Natural Grey

Profile 6 and Profile 3 can also be supplied in Natural Grey.



## Farmscape

Anthracite sheets have a pigmented surface layer. Together with subtle variations in tone inherent in any natural cementitious product, the appearance will blend with almost any landscape from the day the building is erected.



# Cedral Weatherboard

Cedral is an ideal low maintenance, alternative to traditional timber or PVCu weatherboarding. With the visual appeal of natural timber, simplicity of installation and resistance to rot, Cedral Weatherboard is an attractive, low maintenance cladding solution for new build or renovation projects.

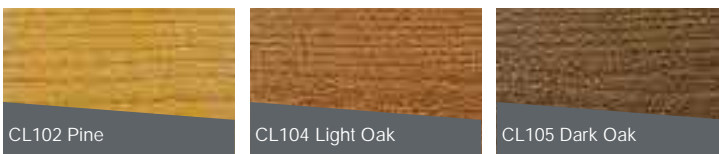


## Cedral Weatherboard colour range



## Woodstains

Cedral Weatherboard is also available in a range of woodstain shades to simulate the colour and texture of a variety of timber stocks.



# Cedral Click

The Cedral Click range gives a unique, beautiful and rot-resistant wall covering assembled in just a few clicks with the proven performance and aesthetics of Cedral Weatherboard technology. Cedral Click is the UK's first fibre cement tongue and groove weatherboard solution.



# Cedral Click colour range









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.

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Email  
Or visit



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www.marleyeternit.co.uk

Marley Eternit Lichfield Road Branston Burton upon Trent DE14 3HD



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Ensure you receive the latest edition of this brochure and new product information as soon as it's available.

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APPENDIX 4 – Sliding Sash Windows Specification

Put the style back  
into your home

Vertical Sliding Sash Windows

**ECOSlide**  
The No.1 Sash Window Brand





## ECOslide PVC-U sash windows will enhance your home

Vertical sliders are a traditional style of window. Commonly found in older properties, they are usually manufactured from timber. This elegant type of window is a popular replacement in period houses, its design giving your home a sophisticated charm and style that you won't achieve from a standard casement window. Real timber windows can be expensive so homeowners look to more affordable solutions such as PVC-U.

Whether you live in an older property or a more modern home, **ECOslide** PVC-U sash windows are a cost-effective solution for replacing like for like replacement or as an alternative to other styles.

Choose from a range of colour and hardware options to complete your window and create a look that fits in perfectly with your home.



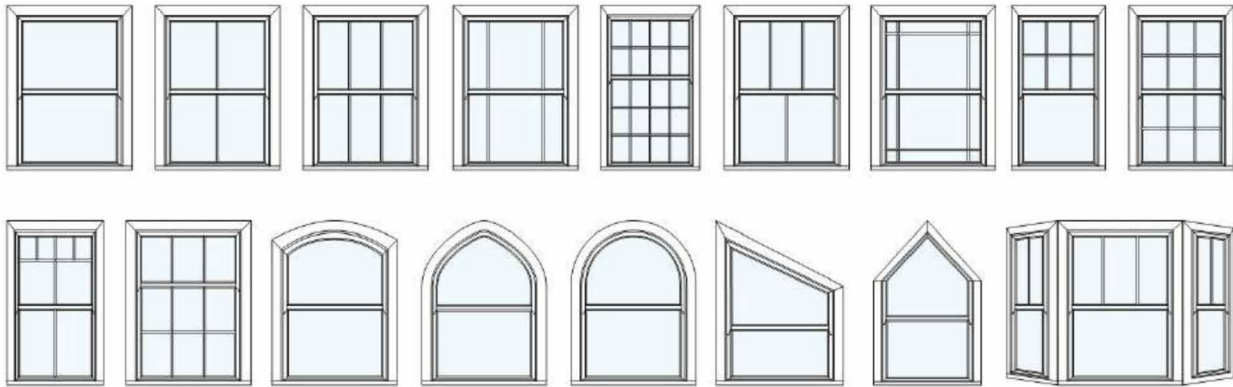
# Windows to suit your style

We offer a range of sash window styles to match your old windows as closely as possible and maintain the signature "design statement" for your home.

We can replace bay-style windows including splay and box bay windows. These are a common feature in older properties and when combined with a sliding sash window the installed appearance is very impressive.

We can also replace arched and swept head windows. These shaped styles are incredibly eye-catching. **ECOSlide** PVC-U sash windows are bespoke-manufactured to your exact requirements, to maintain the appealing charm of your home.

Other additional design options are available with internal Georgian Bar or external Astragal Bar detailing, to ensure your new windows are truly authentic in style.



A small selection of the styles available

## Sliding

**ECOSlide** PVC-U sash windows primarily function like a wooden box sash window with both the top and bottom sashes sliding up and down to suit your ventilation requirements.

Convenient and simple to operate, the two sliding sashes within an outer frame work independently of each other on a balanced load mechanism, designed to hold the sash at any height.



## Tilt & Easy Clean

**ECOSlide** PVC-U sash windows are incredibly low maintenance, requiring only a quick wipe down with a damp cloth to keep them looking as good as new.

The window sashes feature an inward opening tilt facility to allow easy and safe cleaning of the outside frame and glass from inside your home. This is particularly useful for second storey windows or windows positioned in a hard to reach place, such as above a conservatory.



**ECOSlide**  
The No.1 Sash Window Brand







## Colour & Foil Options

Timber box sash windows were always painted and you can replicate this look, if you want a more natural wood effect, our Crystal White, Cream, Golden Oak and Irish Oak foils give a realistic woodgrain appearance that mimics the grained texture and appearance of an original timber window.

We also offer colour outside / White inside options in Chartwell Green, Anthracite Grey, Agate Grey, Rosewood, Black Brown, Cream, Golden Oak and Irish Oak. With this option you can have the external colour you like, whilst maintaining a White interior to better suit your home's decoration.



Colours shown are a guide and are only as accurate as the printing process allows



## Spraying and colour matching

Our on-site paint shop enables your **ECOSlide** PVC-U sash windows to be spray painted to match virtually any RAL code or colour.



You can personalise your vertical sash windows and colour co-ordinate them to match your property or just to suit your own personal taste.

Our optional spray painted finish is applied to the highest standards and will provide a unique and colourful addition to your home.

**ECOSlide**  
The No.1 Sash Window Brand

## Attention to Detail

It's the little details that help make **ECOSlide** sash windows as authentic as possible. Our PVC-U windows are designed to be smooth and sleek with slim profile sections giving a better appearance, which is pleasing to the eye as well as offering improved views from the inside and outside.

To complete the timber-like appearance, our windows incorporate the same stylish features found on original timber sash windows such as astragal bars, decorative sash horns and traditional-style operating hardware. The jambs, sash sections and meeting rail are all engineered to look just like a timber sash window, giving you truly authentic looking new windows.



No Horns



Run-Through Sash Horn



Astragal Bars (External)



Georgian Bars (Internal)

## Glass Options



More options available upon request





Sash Lift



Pole Eye



Sash Lock



Tilt Knob



Travel Restrictor



Security Bar



Toughened Glass



Trickle Vent

## Hardware and Security

Add the finishing touches to your new windows with traditionally-styled vertical slider hardware. Pole eyes, tilt knobs, sash lifts, sash locks and travel restrictors are fitted as standard, but we can also offer D handles if needed. All hardware is available in Chrome, Gold, White, Black or Satin Chrome to complement our range of colours.

Other additional options are available such as Georgian or Astragal glazing bars and trickle vents, to give your new windows a truly authentic and classical vertical slider look.

In addition to this, **ECOSlide** PVC-U sash windows are designed to be extremely safe and secure. High performance locking systems keep your home safe from potential intruders to give you extra peace of mind.

For added safety we also offer the option of a "Fire Egress" window design to provide emergency escape.







#### Travel Restrictors

Provide enhanced security and safety for your vertical sliding sash windows. Used to restrict the opening of the window to just 100mm. Key operated.



#### Sash Locks

Lock both bottom and top sashes firmly in place when the window is fully closed. Key lockable. One Sash Lock is fitted to windows up to 799mm wide. Two are fitted on windows 800mm wide and over.



#### Security Bar

This specially-designed feature is an integral part of the window cill which significantly increases security, to help prevent potential intruders using tools or excessive force to try and lever open the bottom sliding sash and gain entry.



#### D Handles

These optional easy-grip handles can be used in place of pole eyes or sash lifts and can be fitted externally on the bottom of the top sash for ease of operation.



#### Pole Eyes

Used for opening and closing the top sash. One Pole Eye is fitted to windows up to 479mm wide. Two are fitted on windows 480mm wide and over.



#### Tilt Knobs

Allow inward tilting of the sliding sashes for easy and safe cleaning from inside the home. Two Tilt Knobs are fitted as standard.



#### Toughened Glass

Fitted in both top and bottom sashes as standard.



#### Sash Lifts

Used for opening and closing the bottom sash. One Sash lift is fitted to windows up to 479mm wide. Two are fitted on windows 480mm wide and over.



Satin Chrome



Chrome



Gold



White



Black

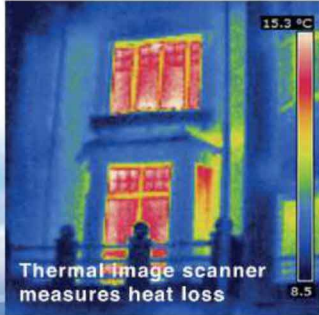
# Energy Efficiency & Ratings

Enjoy a warmer, more comfortable home with energy efficient sash windows



Scan above QR code to see our interactive ECOSlide brochure

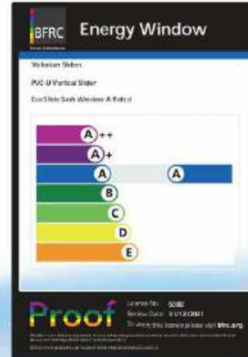
Windows are given energy ratings based on their ability to insulate your home. These are displayed on a colour scale ranging from 'A++' to 'E', with 'E' being the least energy efficient and 'A++' the most energy efficient.



Putting the style back into your home with **ECOSlide** will make your home a warmer and more comfortable place to live, saving on your energy bills year on year.

**ECOSlide** PVC-U sash windows are 'A' rated as standard.

[www.ecoslide.co.uk](http://www.ecoslide.co.uk)



'A' rated as standard.



Optional upgrade 'A+' rated

E&OE  
Please note the information contained within this brochure are subject to change, improvements within specifications are possible in the imminent future. Please check the relevant official websites for up to date information. ECOSlide are not accountable for any errors or misleading information printed within this guide.

Ref:VS-13

**ECOSlide**  
The No.1 Sash Window Brand

APPENDIX 5 – Aluminium Windows Specification



origin

DOORS AND WINDOWS

The Origin Window Collection



# Introducing the Origin Window Collection...

It's your world, let's frame it

The Origin Home is a collection of the finest quality products, manufactured in Great Britain by Origin.

An integral part of this is the Origin Window collection which consists of two options - the OW-70 and the OW-80. Both stunningly designed and exceptionally finished, the key difference between the two systems is the sightlines.

Both are completely bespoke to your requirements as Origin's flexible production process gives you the freedom to customise your window to perfectly complement your needs. What's more, with our uncompromising security features used across both systems, your home will stay safe whatever option you choose.

Like all Origin products, our windows are guaranteed for up to 20-years, so you can relax knowing that your windows will last for years to come.



The Origin Slimline Window (OW-70)

Beautiful, elegant and simplistic, the Origin Slimline Window is designed for spaces where maximising glass and light is essential.

Built from a high-grade aluminium with an impressive 65mm frame, the Origin Slimline Window is as strong as it is sleek. Its ultra-slim sightlines will not only deliver aesthetically, but its innate strength will ensure your home is kept secure.



The Origin Premium Window (OW-80)

Modernising the design of traditional 19th Century timber windows, the Origin Premium Window is a highly durable and blissfully functional solution that's perfect for the 21st Century.

With an exquisite internal and external flush casement and unrivalled thermal performance, the Origin Premium Window also offers the added benefits of hassle-free maintenance and being manufactured from a premium grade aluminium for long-term reliability.

A dark grey door with a silver handle and a window, set against a light grey wall. The door has a multi-paneled design with a central window and two side windows. The text is centered on the door.

Here at Origin, our  
vision is to *transform*  
the way families enjoy  
their home – from  
*inside to out*

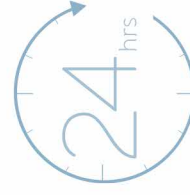
# Colour you happy...

Both the OW-70 and OW-80 can be manufactured in over 150 RAL shades, and our collection covers the wild, the wonderful and the classics.

Therefore, from the subtle to the slightly outrageous, you can guarantee there will be a colour to suit every Origin Home. Further to this, most of these colours can then be specified to have a gloss, matt or satin finish, so you're sure to find a colour scheme and finish to inspire.

Both systems also offer a dual colour option, so while the exterior frames can match the existing building style, the internal colour can match or contrast your interior decor.

In order to give it a flawless finish, the highest grade power coating is applied to our aluminium. With a durable yet smooth surface, it offers the benefit of being highly resilient to the elements.



# Your windows when you want them...

As with everything Origin, the lead time in which you can receive your windows in is pretty exceptional.

When windows are ordered in one of our popular colours, you specify when you want them delivered. Whether that's for a day, a week or a month, Origin will deliver.\*

Our popular colour range spans from Hipca White and goes all the way through to Jet Black, covering the ever popular metallic shades in between. Plus, the OW-80 popular colour range also includes two authentic woodgrain finishes, offering your property a timber look without the maintenance hardships.

*\*Origin can deliver to your chosen installation partner within 24 hours, and your final installation will be dictated by their schedule and glass availability.*



Product displayed: OW-70  
Colour shown: 5024M

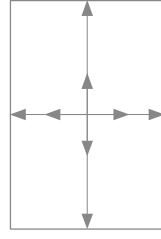


# Bespoke to you... Your window, your way

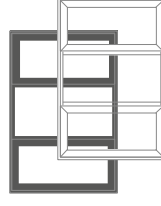
At Origin, we believe that the creation and manufacture of your windows is a very personal experience - it's an expression of who you are in style, practicality and functionality. So that's why every element of our windows are personalisable and tailored to you.

Specify your overall size, your desired configuration that works for your home and family's requirements, your colour scheme and handle choice and let us manufacture windows that can help make your home the best it can be.

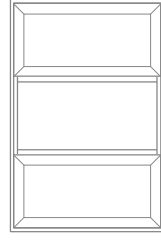
From the smallest spaces through to grand mass coverings, we've done it all.



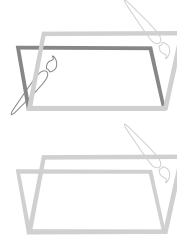
Overall size



System



Window type and configuration

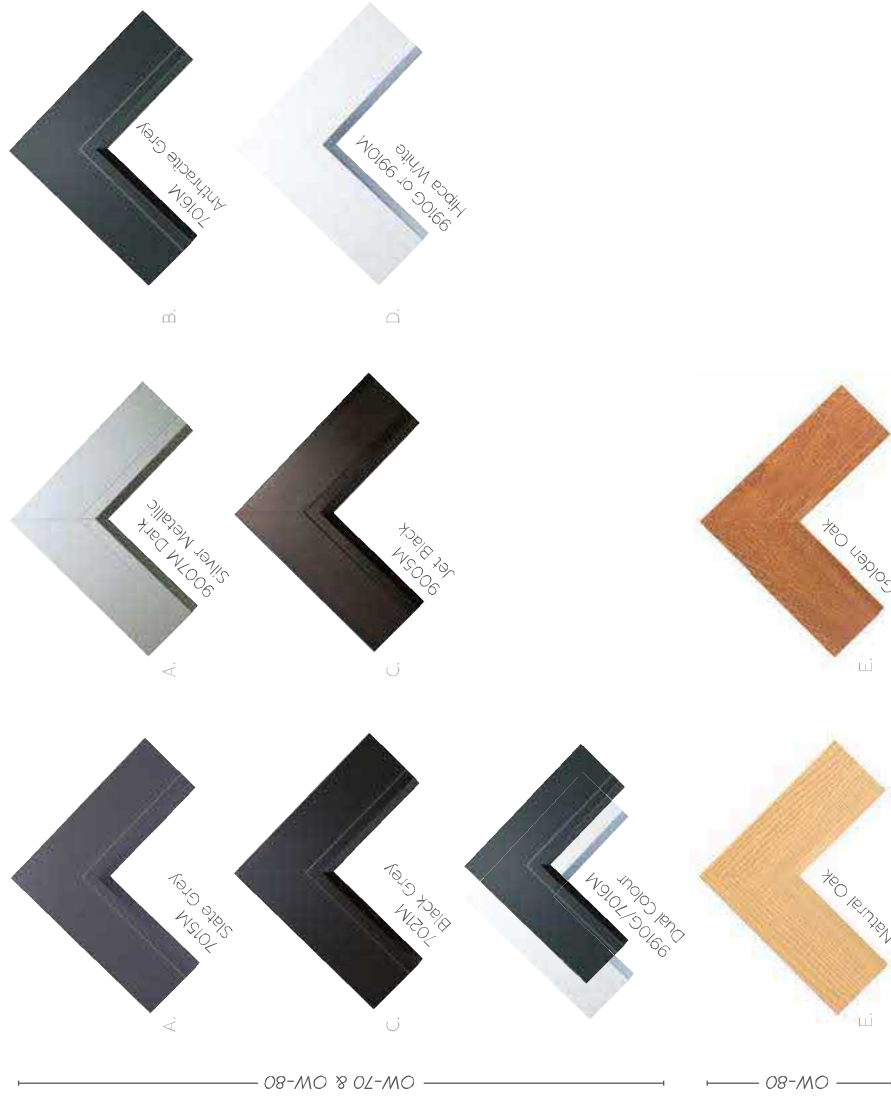


Single or dual colour

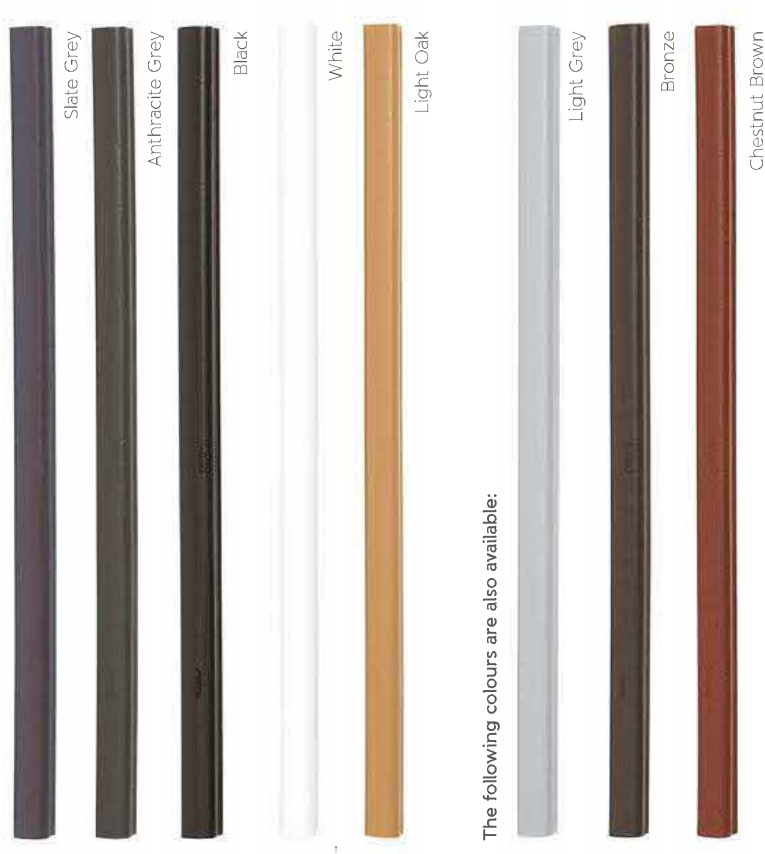


Handle colour

# Popular colours...



Even the gasket and Q-Lon seal colour is your choice



The following colours are also available:

Door Colour	Recommended Q-Lon Colour
A. 7015M and 9007M	Slate Grey
B. 7016M	Anthracite Grey
C. 7021M and 9005M	Black
D. 9910G and 9910M	White
E. Natural Oak and Golden Oak	Light Oak

**Dual Colour:**  
9910G (Hipca White) in, 7016M (Anthracite Grey) out

Colours shown throughout this brochure may not be 100% representative. Visit your local showroom or contact Origin directly for physical samples.

# Built to last....

We recognise that every home is unique, and that's why each window is skilfully designed, specially tailored and hand crafted by us.

By combining a premium grade aluminium with precision engineering and exceptional craftsmanship, Origin have a proven track record in delivering high quality, functional and stylish products that are built to last.

Manufactured and assembled in Origin's Buckinghamshire based factory, all of our windows face rigorous quality testing at each stage of the manufacturing process to ensure that every window leaves at a consistently high standard.

We have complete control of every product – from sourcing through to manufacturing and delivery, and only use the highest quality materials and components in the process.

Our unflinching stance on quality control in all operations enables us to be proud to offer an incredible guarantee of up to 20-years for absolute peace of mind.\*



See page 31 for more information on our quality accreditations.

\*Guarantee based on location of where the windows will be installed.

Product displayed: OW-70  
Colour shown: 7016M





# Safety first....

As well as looking stunning, the Origin Window collection is highly functional in satisfying Building Regulations for emergency exits, restricted openings and marine based dwellings.

Side and top hung windows can be designed to serve as an emergency exit window by meeting the minimum width and height required to comply with British Building Regulations.

They can also be specified with discreetly designed trickle vents that either sit inside the sash or frame for additional ventilation in required rooms.

Plus, an optional restrictor hook prevents the window opening any further than a pre-set angle, giving your property an added layer of safety and security.

Both top and side hung windows can be designed to serve as emergency exits

# Why aluminium?

Frame strength is a very important factor to consider when looking to invest in a window system.

Aluminium is Origin's material of choice because of its strength and durability - achieving these properties while weighing 67% less than steel. This means that the frames are highly resistant to flexing, warping or corroding in variable weather conditions.

Additionally, another reason for aluminium being Origin's material of choice is because it's infinitely recyclable.

Our aluminium requires minimal maintenance\* and combines seamlessly with the bespoke thermal break to provide unrivalled energy efficiency.

All of these attributes make it the perfect material for creating visually exquisite, easy to operate and highly secure windows.



*Read more about our environmental accreditations on page 33.*

*\*More routine maintenance will be required in certain areas. See our terms and conditions for details.*

# Enhanced security features...



Sophisticated style and elegance blends with the very latest in precision engineered locking mechanisms to make the OW-70 and OW-80 two ultra-secure systems.

Like our aluminium, our hinges are also made from the highest quality of materials and are capable of carrying exceptionally heavy loads, exceeding above and beyond the standardised 50,000 cycle test required for residential windows.

Both systems also feature a night vent function, enabling the window to be slightly open whilst in the locked position, allowing air to come through and not be compromised on security.

Hinge guards are installed as standard on all Origin Windows, and they are used to serve the purpose of protecting the hinges as well as blocking intruders from jemmying the window open along the hinged side.

Other features such as our industry-renowned locking systems, impenetrable crimped frames and locking handles help make the Origin Windows two of the most secure on the market.

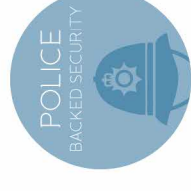
# Security accreditations...

Both the OW-70 and OW-80 comply with PAS 24:2016, which is the recognised standard for doors and windows manufactured in the UK.

This means that your window has been thoroughly examined and tested to make sure it's fit for purpose in any property, whether that's in an existing structure, renovation or new build.

Additionally, both systems are accredited in line with the police preferred Secured by Design security regulations for extra peace of mind.

Both the OW-70 and OW-80 are PAS 24:2016 compliant and Secured by Design accredited



Product displayed: OW-70  
Colour shown: 9910G

See page 30 for more details.

# Unflinching security...

Here at Origin, your home's security and safety is a priority for us. It's an essential part of any product design, and this is certainly the case with the OW-70.

The Origin Slimline Window has been designed to keep your home safe and protected by meeting stringent PAS 24:2016 security regulations and by being Secured by Design accredited.

Therefore, with our ultra-secure Nemesis multi-point lock, you can rest easy knowing you're in good hands.

The lock itself has been tested to BS EN 1670:2007 Grade 4, which measures resistance against spray salt corrosion. Featuring bi-directional technology with adjustable locking cams, compression is improved, which ensures a superior weather rating. Working in conjunction with a slim offset gearbox, the Nemesis lock ensures a smooth operation and long-term durability.

*Read more about Secured by Design on page 30.*

The OW-70 is PAS 24:2016  
compliant and Secured by  
Design accredited



# The Encloser...

Attention to design is matched by high levels of security, as every OW-80 is installed with Yale's highly renowned and dependable Encloser Lock.

Just like the OW-70, it features innovative bi-directional locking technology. The OW-80 is able to offer supreme security, long-term reliability and a flawless performance.

The Yale Encloser works by engaging cylindrical cams into a zinc alloy keep, which when locked, compressed and engaged, will not only provide an extremely dependable system, but will also provide optimal weather proofing, ensuring that your home is safe from intruders and elements alike.

Each individual cam is adjustable and finely tuned in-house so that the compression against the keep is tight, all while ensuring that the operation of the window itself is smooth.

Like the OW-70, the OW-80 exceeds the regulations required for PAS 24:2016 and is Secured by Design accredited, ensuring you of optimum peace of mind.



Product displayed: OW-80  
Colour shown: 9007M

The OW-80 is PAS 24:2016  
compliant and Secured by  
Design accredited



Product displayed: OW-70  
Colour shown: 9022M

# OW-70 handle options....

Like the window, the handles are made from aluminium, but also feature a Hardex Electro finish for complete durability. Therefore, with the OW-70, you're guaranteed of a handle that offers flawless operation, outstanding quality and an exceptional finish.

The stylish inline handle is available in a variety of colours as well as metallic shades, or for a colour-coded finish, our offset handle (used on the OW-80) can help create a unique look.

## Inline handle



Brushed  
(H-094)



Satin  
(H-094)



Chrome  
(H-094)



Silver  
(H-094)



Gold  
(H-094)



Anthracite Grey  
(H-094)

## Offset handle



Colour coded option  
(H004-H005)



The offset handle is available in any RAL colour to complement your windows

Product displayed: OW-70  
Colour shown: 9022M

Handle colours may not be 100% representative.

# OW-80 handle options....

Rest assured – the handles of the Origin Premium Window have been given the same attention to detail as every other component, and are the perfect finishing touch to the elegantly designed window, mirroring its sophistication, functionality and security.

Whether in a premium metallic or one of Origin's industry-unique colour-coordinated options, you can be sure of a contemporary handle which offers the same faultless performance as from the window itself.

Product displayed: OW-80  
Colour shown: 7016M

## Popular colour range



9005M - Jet Black  
(H004-H005)



7021M - Black Grey  
(H004-H005)



7015M - Slate Grey  
(H004-H005)



7016M - Anthracite Grey  
(H004-H005)



9007M - Dark Silver  
(H004-H005)



9910G - Hipca White  
(H004-H005)

## Metallic range



Chrome  
(H004-H005)



Gold  
(H004-H005)



Satin  
(H004-H005)



Brushed  
(H004-H005)



Available in any RAL  
colour to complement  
your windows

# External flush casement...

The OW-70 is simplistic in style. It features an external flush casement, which will instantly help give your home an attractive look and feel.

With no bulky overlapping profile, the 65mm ultra-slim profile offers a clean finish and can add character to any property type - whether that's an ultra-modern new build or traditional townhouse.

Aluminium's innate strength allows for incomparably slim sightlines without compromising on security. With the edge of the frame as little as 38.5mm from the glass, it means less window and more light can be achieved.

It's effortless, uncomplicated and sleek.





# Internal and external flush casement...

Stunningly designed,  
brilliantly executed

Remarkable design and expert manufacturing techniques are built into Origin's DNA.

Smart and clean in appearance, the sash sits neatly inside the window frame, creating an industry-first internal and external flush casement.

With no overlapping frames, often synonymous with windows, the flush casement comes together to create a truly timeless finish. All that remains is a sleek shadow line where the sash meets the frame.

The clean finish of the OW-80 therefore provides unbeatable versatility that lends itself perfectly to any property type, from traditional townhouses, new builds and apartments, through to projects under strict planning regulations in conservation areas.



It's elegant, simple and  
completely unique

Product displayed: OW-80  
Colour shown: 7015M