

**From:**  
**To:** [Planning](#)  
**Subject:** Proposed Industrial Units & Office Unit, Land at Fairfield Way, Whitby for Noble Recycling & Skip Hire Ltd.  
**Date:** 04 December 2021 20:29:11  
**Attachments:** [image001.jpg](#)  
[brick spec.pdf](#)  
[Marley Roof Tiles.pdf](#)  
[Single Page Tile Spec. Marley Modern.pdf](#)  
[Goosewing roof cladding. Uninsulated.pdf](#)  
[Goosewing roof cladding. composite insulated sheet.pdf](#)  
[Goosewing wall cladding. Uninsulated.pdf](#)  
[Cladding trims. Merlin Grey.pdf](#)  
[GRP rooflight sheet.pdf](#)  
[Discharge Conditions Application Form Page 1.jpg](#)  
[Discharge Conditions Application Form Page 2.jpg](#)  
[Discharge Conditions Application Form Page 3.jpg](#)

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## 1st of 2 E-mails

**Ref No: NYM/2021/0512/FL**

Dear Sir/Madam

Please find attached an application form to discharge with condition nos 11 & 13 of the above planning permission together with the material specification sheets.

We confirm the roof cladding and the wall cladding of the industrial units is to be Goosewing grey cladding and the flashings Merlin Grey. The UPVC windows of the office to also be Merlin Grey.

We also confirm the proposed boundary fence to the North West, South East and South West of the site to be 6ft high close boarded timber fencing. Please note that any planting including hedges will be included in the landscaping scheme to be submitted later to discharge with condition no 12.

Our client will contact your office direct to make payment of the £116.00 application fee.

Should you require any further information please do not hesitate to contact the writer.

Yours sincerely

Ursula Bradwell

*For and on behalf of*

**URSULA BRADWELL ARCHITECTS**

Church Hall

St Hildas Terrace

Whitby

North Yorkshire

YO21 3AG



Virus-free. [www.avg.com](http://www.avg.com)

**From:**  
**To:** [Planning](#)  
**Subject:** Proposed Industrial Units & Office Unit, Land at Fairfield Way, Whitby for Noble Recycling & Skip Hire Ltd.  
**Date:** 04 December 2021 20:20:40  
**Attachments:** [IMG\\_1695.JPG](#)  
[Untitled attachment 00063.txt](#)  
[IMG\\_1696.JPG](#)  
[Untitled attachment 00066.txt](#)  
[Untitled attachment 00069.txt](#)  
[IMG\\_1699.JPG](#)  
[Untitled attachment 00072.txt](#)  
[IMG\\_1700.JPG](#)  
[Untitled attachment 00075.txt](#)  
[IMG\\_1702.JPG](#)  
[Untitled attachment 00078.txt](#)  
[JNR - new site - CPP 25102021 - Version B.docx](#)

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## 2nd of 2 E-mails

**Ref No: NYM/2021/0512/FL**

Dear Sir/Madam

Please find attached details of the proposed concrete wall blocks below cladding on the industrial units.

In relation to discharging condition no 7 please find attached a revised Construction Phase Plan please substitute in lieu of the Construction Phase Plan Rev A already submitted with our previous discharge application.

Should you require any further information please do not hesitate to contact the writer.

Kind Regards

Ursula Bradwell

*For and on behalf of*

**URSULA BRADWELL ARCHITECTS**

Church Hall

St Hildas Terrace

Whitby

North Yorkshire

YO21 3AG

# Kilcreggan Multi Wirecut

NYMNPA

06/12/2021



**Ibstock**  
At the heart of building



## Product Information

Ibstock Code:	2767
Type:	Wirecut
Facing Description:	Dragfaced
Dry Brick Weight (kg):	2.2kg
Pack Quantity:	500
Packaging (standard):	Banded (plastic) & Shrinkwrapped
Factory:	Throckley

## Technical Specification (to BS EN 771-1)

Brick Dimensions (L x W x H mm):	215x102x65
Size Tolerances Mean & Range:	T2 R1
Configuration:	Vertically Perforated
Voids (%):	25-30
Compressive Strength (N/mm <sup>2</sup> ):	60
Active Soluble Salts:	S2
Water Absorption (% weight):	10
Durability:	F2~
Gross Dry Density (Sound Insulation) (Kg/m <sup>3</sup> ):	1560
Equivalent Thermal Conductivity "K" value 5% Exposed:	Refer to Ibstock
Initial Rate of Absorption (Suction Rate) (Kg/m <sup>2</sup> /min):	Refer to Ibstock
EAN:	5036335037577

01/12/2021



# Corner Barge Flashings in PVC Plastisol Finish - 3m 150 x 150mm

From: £22.04 Inc VAT

Roof barge flashings are an important component in the cladding of any profiled roof, weatherproofing the building and improving its appearance. Our barge flashings plastisol PVC coated barge boards are available in a range of colours to match our box profile sheets. Secure to the roofing sheet below stitching them with st22 stitching screws, allowing an overlap of a minimum of 100mm when securing roof barge flashings end on end.

Please note images may vary from actual item supplied due to lighting variations and camera angles

[Read More](#)

**Colour** Merlin Grey

Quantity \*  Weight

Weight

6.9 KG

## Online Roofing Calculator

Use our calculator to work out the roofing sheets you need for your project.

NYMNP

06/12/2021

# 32/1000 Insulated Panel 40mm thickness Goosewing PVC Roof Sheet

From: £162.00 Inc VAT

Manufactured as a single product, with 40mm insulation sandwiched between two pre-finished steel sheets for a high-quality, attractive roof sheet for heightened noise and heat retention along with other additional benefits.

Please note images may vary from actual item supplied due to lighting variations and camera angles

[Read More](#)



3D VIEW



Length

Choose an Option...



Quantity \*

1

**Total Price: £135.00**

Inc VAT

NYMNP

06/12/2021





# 32/1000 Box Profile 0.7 PVC Plastisol Coated Roof Sheet

From: £20.34 /m Inc VAT

Our 0.7mm thick single skin box profile PVC roof sheets give robust strength roofing sheets. Incorporating 6 x 200mm pitched profiles across the width of the sheet and 32mm profile height the roofing sheets work in both a domestic and a commercial environment. Available in a range of colours to suit your project

Please note images may vary from actual item supplied due to lighting variations and camera angles

[Read More](#)

**Colour** Goosewing Grey

Sheet Length (m)  Quantity \*

Dripstop (?)  Weight

-- Please Select --

 **Online Roofing Calculator**  
Use our calculator to work out the roofing sheets you need for your project.

**NYMNPA**  
**06/12/2021**







# Translucent GRP rooflight sheet, 32/1000 profile 1.5mm thickness SAB3

From: £44.24 Inc VAT

Use with our 32/1000 Box Profile sheet or on their own, these translucent lightweight GRP roof lights let in diffused daylight at an 80% transmission rate. With a width and profile to match that of our Box Profile 32/1000 sheet, these translucent roof panels will perfectly match. Available in a range of lengths, their resin enriched gel coat finish protects against the effects of UV radiation.

**Please note images may vary from actual item supplied due to lighting variations and camera angles**

[Read More](#)

<b>Rooflight Length</b>	<b>Quantity *</b>
Choose an Option...	1
<b>Weight</b>	6.5 KG

## Online Roofing Calculator

Use our calculator to work out the roofing sheets you need for your project.



NYMNP

06/12/2021

NYMNP  
06/12/2021





NYMNP  
06/12/2021





NYMMPA  
08/12/2021





NYMNP  
06/12/2021





NYMIPA  
06/12/2021





# Product catalogue

NYMNPA

06/12/2021

JUNE 2021



**Tell me more**

Call 01283 722588

Email [info@marley.co.uk](mailto:info@marley.co.uk)

Or visit [marley.co.uk](http://marley.co.uk)



Marley, Lichfield Road, Branston, Burton upon Trent, DE14 3HD



▲ Marley's extensive range of tiles, dry fix products, ventilation systems and accessories has been successfully enhancing and protecting our roofs for nearly 100 years. Now, SolarTile® adds yet another dimension to our roof systems.

We want to make your project, or that of your client, as straightforward and successful as possible, so we're on hand to offer practical, experienced support in a range of useful ways.

This can be delivering urgent samples where and when they're needed, providing products that help you achieve an A+ rating and gain credits for your buildings, supplying bespoke fixing specifications, offering complete dry fixed ventilation solutions and much more.

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.

Trust Marley to take the hassle out of roofing. If you ever need advice on any roofing related issue, you can rely on our team to give you a helping hand.

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 **Tell me more**

Call 01283 722588  
Email [info@marley.co.uk](mailto:info@marley.co.uk)  
Or visit [marley.co.uk](http://marley.co.uk)



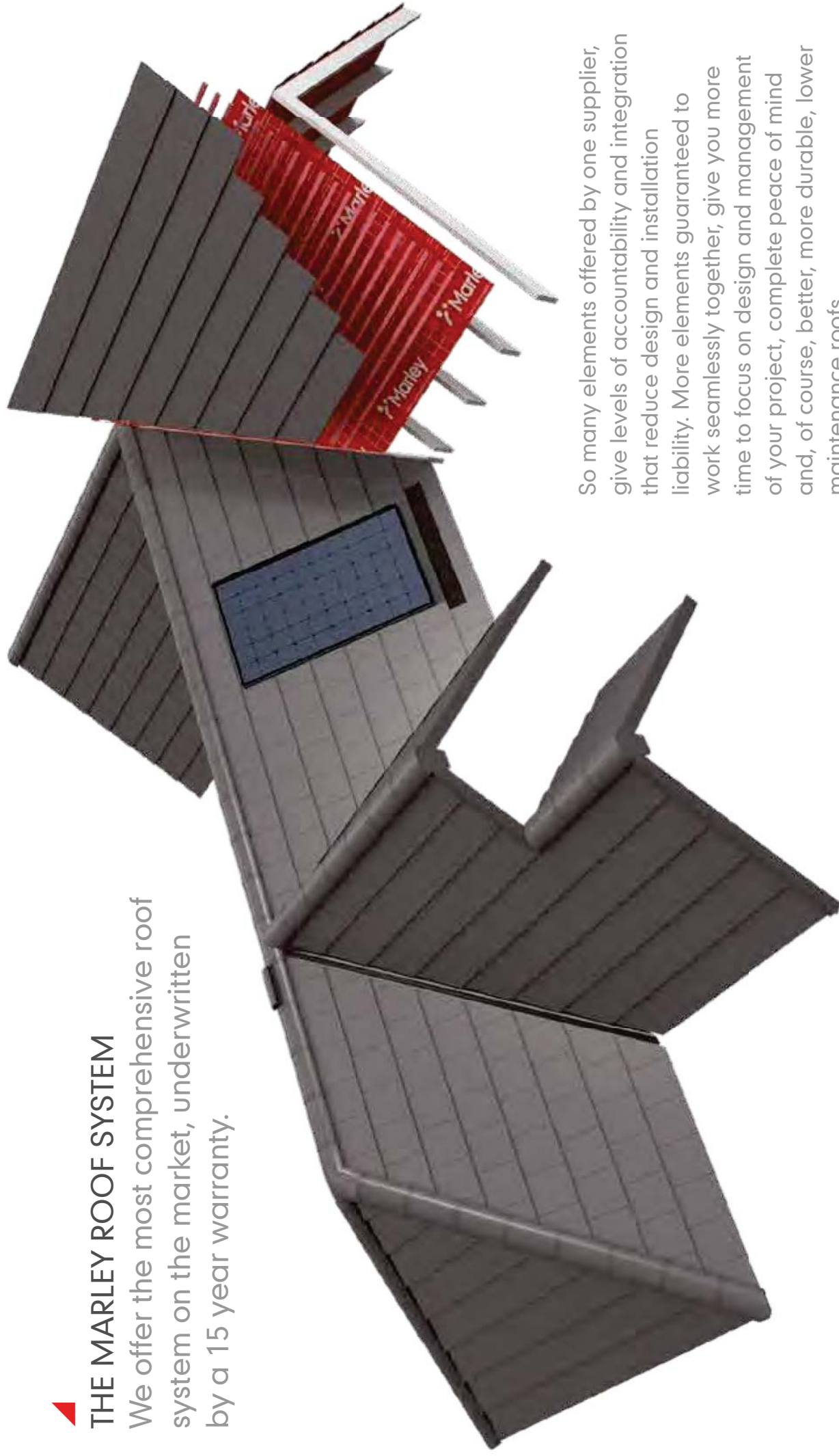
All factories certified to ISO 9001, ISO 14001, OHSAS 45001





## THE MARLEY ROOF SYSTEM

We offer the most comprehensive roof system on the market, underwritten by a 15 year warranty.



So many elements offered by one supplier, give levels of accountability and integration that reduce design and installation liability. More elements guaranteed to work seamlessly together, give you more time to focus on design and management of your project, complete peace of mind and, of course, better, more durable, lower maintenance roofs.

- ▲ Base layers
- ▲ Roof coverings
- ▲ Knowledge
- ▲ Detailing
- ▲ Marley SolarTile®
- ▲ Confidence

## UNIVERSAL UNDERLAYS

Marley Universal Vapour Permeable and Non-Breathable underlays are high performance roof membranes which are zone 1-5 compliant, in accordance with BS 5534.



### UNIVERSAL VAPOUR PERMEABLE UNDERLAY (LR)

- ▲ Vapour permeable
- ▲ High tensile and tear strength
- ▲ Clean and easy to handle
- ▲ Durable
- ▲ UV resistant
- ▲ BBA approved – certificate no. 19/5678
- ▲ Integrated tape for sealing laps
- ▲ Guidance lines for minimum laps
- ▲ Suitable for vertical applications



### UNIVERSAL NON-BREATHABLE UNDERLAY (HR)

- ▲ Non-breathable
- ▲ High tensile and tear strength
- ▲ Clean and easy to handle
- ▲ Durable
- ▲ UV resistant
- ▲ BBA approved – certificate no. 19/5673
- ▲ Lightweight alternative to traditional IF
- ▲ Integrated tape for sealing laps
- ▲ Guidance lines for minimum laps



### UNIVERSAL 125 VAPOUR PERMEABLE UNDERLAY (LR)

- ▲ Vapour permeable
- ▲ Integrated tape for sealing laps
- ▲ Excellent resistance to water penetration
- ▲ Clean and easy to handle
- ▲ For roof applications
- ▲ Durable
- ▲ UV resistant
- ▲ Guidance lines for minimum laps
- ▲ Fabric weight 125g/m<sup>2</sup>

## JB RED BATTENS

JB Red completely meets the BS 5534 and NHBC requirements for fully graded roofing battens.

The recent update to BS 5534 changed the requirements for roofing battens. Only battens that have been pre or factory graded to BS 5534 can be called or used as 'Roofing Battens'.



### BENEFITS OF JB RED

- ▲ Pre-graded to all strength requirements of BS 5534 for roofing battens
- ▲ UKAS third party assessed by the BBA
- ▲ LABC registered and is approved for use by local authorities
- ▲ BBA approved – certificate no. 19/5668
- ▲ Manufactured from slow grown, high grade timber
- ▲ FSC® or PEFC™ certified
- ▲ Preservative treated BS 8417 Usage Class 2 using MicroPro® against wood rotting fungi and insect attack
- ▲ 60 year lifetime guarantee against insect attack and wood rotting fungi (when installed correctly in accordance with the requirements of Usage Class 2)
- ▲ JB Red is manufactured using a state of the art, high speed camera and laser grading machine to ensure consistent levels of size and quality (BBA Certificate 19/5668).



Its RED colour means that it is highly visible on site, therefore Local Authority Building Control, NHBC and other inspectors can see that high quality, pre-graded and compliant battens have been used.

JB Red roofing battens have full chain of custody certification.

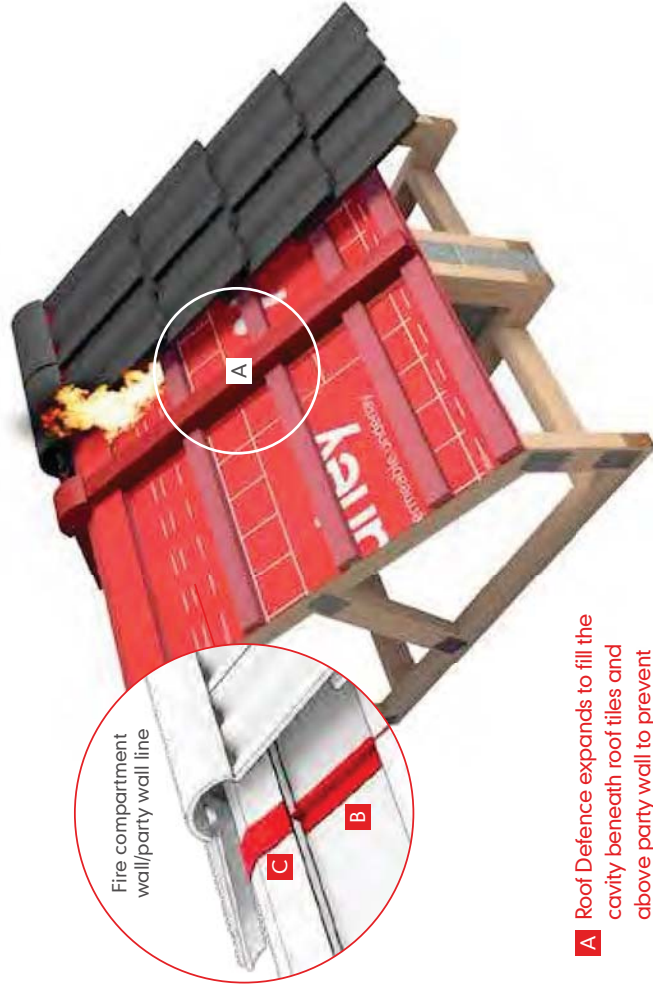


# ROOF DEFENCE

Marley's Roof Defence firestops are designed to provide fire resisting performance between separate properties.

Roof Defence forms a fire-resistant barrier below the roof and ridge tiles - and above the party walls or spandrel panels below the roof covering - which separate different properties within roof spaces or provide lines of compartmentation, typically in attached or terraced housing.

Roof Defence is manufactured from low smoke zero halogen, highly intumescent flexible material.



**A** Roof Defence expands to fill the cavity beneath roof tiles and above party wall to prevent spread of fire between properties

**B** Roof Defence Intumescent Fire Barrier 6.3m

**C** Roof Defence Intumescent Ridge Cap

## ADVANTAGES

- ▶ Provides fire resistance performance up to 60 minutes
- ▶ Ideal for multi-home compartments/shared roof space buildings
- ▶ Tested using the general principles of BS EN 1363-1:2020 with additional guidelines from TDG 19(Nov 2017)
- ▶ Use category X, tested to ETAG 026-2, suitable for use in conditions of exposed weathering
- ▶ Tested for a maximum gap of 96mm
- ▶ Suitable for masonry stud wall construction\*
- ▶ Low profile design suitable for wide range of tile profiles
- ▶ Patent pending design
- ▶ Flexible and lightweight
- ▶ Quick and easy to install
- ▶ No special tools required



Roof Defence is provided in a roll format and covered with a protective layer of polythene for ease of handling and to protect from water.

## FIRE PERFORMANCE

In accordance with the principles of BS 1363-1:2020 with additional guidelines from ASFP TGD19:2017.

<b>Party wall/spandrel panel</b> with appropriate minutes (EI) Fire Rating	100mm timber stud and plasterboard *spandrel panel
<b>Roof covering (tiles)</b> with appropriate fire rating	Concrete profiles tiles 20mm thick
<b>Orientation</b>	Following the line of the compartmentation
<b>Maximum gap</b> Between head of wall and underside of roof (tiles) covering	96mm
<b>Intumescent Fire Barrier product dimensions</b> Thickness x width x length	Horizontal: 5 x 100 x 6300mm Vertical: 4 x 25 x 6300mm
<b>Intumescent ridge cap product dimensions</b> Thickness x width x length	4 x 100 x 200mm 4 x 100 x 150mm 4 x 25 x 50mm
<b>Product Fire Resistance rating Integrity E</b>	60 minutes
<b>Tested system reports</b>	Warrington Fire WF 421012 (2020)

\* Tested in conjunction with combustible breather membrane, timber battens and mechanical fixed ridge tiles (dry fix - no mortar)

# PRODUCT SELECTOR

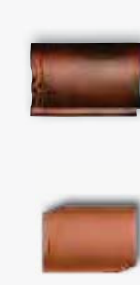
\* The minimum recommended pitch and lap may be influenced by special circumstances, please contact the Technical Advisory Service.

## MARLEY SOLARTILE®



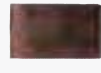
Features	Polycrystalline	Monocrystalline
Size	992 x 1640mm	992 x 1640mm
Min. pitch	20°	20°
Max. pitch	60°	60°
Wattage	270	300
Page	13	13

## CLAY PROFILED TILES

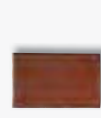


Features	EDEN	LINCOLN
Clay pantile	Fixed gauge	Open gauge
Size	342 x 247mm	370 x 247mm
Min. pitch	22.5°	12.5**
Max. pitch	75°	70°
No. of colours	2	2
Page	24	26

## CLAY PLAIN TILES



Features	CANTERBURY	ASHDOWNE	HAWKINS	ACME DOUBLE CAMBER	ACME SINGLE CAMBER
Machine-made	Single camber	Single camber	Single camber	Double camber	Machine-made Single camber
Size	265 x 165mm	265 x 165mm	265 x 165mm	265 x 165mm	265 x 165mm
Min. pitch	40°	35°	30°	35°	30°
Max. pitch	90°	90°	90°	90°	90°
No. of colours	1	2	5	4	8
Page	15	16	17	18	19



## SHINGLES & SHAKES



Features	SHINGLES	SHAKES
Machine-cut	Machine-cut	Hand split
Size	Various	Various
Min. pitch	14°	20°
Max. pitch	90°	90°
No. of colours	1	1
Page	48	49

## CONCRETE PLAIN TILES

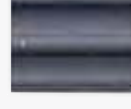


Features	PLAIN
Cross camber	Cross camber
Size	267 x 168mm
Min. pitch	35°
Max. pitch	90°
No. of colours	9
Page	28

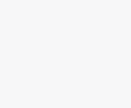
## CONCRETE INTERLOCKING TILES



Features	EDGEEMERE	DUO EDGEEMERE	RIVEN EDGEEMERE	MODERN	DUO MODERN
Thin leading edge	Thin leading edge	Thin leading edge	Thin leading edge	Thin leading edge	Thin leading edge
Cost-effective alternative to slate	Replicates smaller format slates	Replicates smaller format slates	Randomised texture	Replicates smaller format slates	Replicates smaller format slates
Size	420 x 330mm	420 x 330mm	420 x 330mm	420 x 330mm	420 x 330mm
Min. pitch	17.5°	17.5°	17.5°	17.5° (Smooth)	17.5° (Smooth)
Max. pitch	90°	90°	90°	90°	90°
No. of colours	4	3	2	6	2
Page	33	34	35	36	37



Features	MENDIP	MENDIP 12.5	LUDLOW MAJOR	ECOLOGIC LUDLOW MAJOR	LUDLOW PLUS
Double pantile	Double pantile	Double pantile	Simple, strong lines	High level of recycled aggregate	Small format
Low pitch	Low pitch	Low pitch	Ideal for refurbishment	Absorbs NOx	Ideal for refurbishment
Size	420 x 330mm	420 x 330mm	420 x 330mm	420 x 330mm	387 x 229mm
Min. pitch	15° (Smooth)	12.5**	22.5° (Smooth)	30°	22.5° (Smooth)
Max. pitch	90°	44°	90°	90°	90°
No. of colours	7	3	7	1	6
Page	38	39	40	41	42



Features	DOUBLE ROMAN	WESSEX	ANGLIA	ASHMORE
Traditional profile	Clean lines	Water shedding efficiency	Bullnose leading edge	Interlocking double plain tile
Size	420 x 330mm	420 x 330mm	387 x 230mm	267 x 333mm
Min. pitch	22.5° (Smooth)	15°	25° (Smooth)	22.5°
Max. pitch	90°	44°	90°	90°
No. of colours	7	2	3	3
Page	43	44	45	32

# MARLEY SOLARTILE®

Marley SolarTile® is a roof-integrated solar panel roof tile solution, enhancing roof system specification with design flexibility, sleek aesthetics, industry leading wind and fire performance, all covered by the Marley 15-year full roof system warranty.

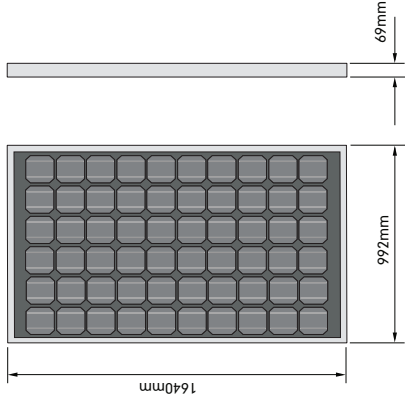


## TECHNICAL DATA

Size of PV1/6 panel	992mm wide x 1640mm high
Minimum pitch*	20°
Maximum pitch	60°
Aperture area	1.6m <sup>2</sup>
Body thickness	69mm
Weight	21kg
Static roof loading	12.9kg/m <sup>2</sup> (distributed)
Characteristic wind resistance	5.32kPa
Ultimate design load*	5.32kPa
Fire rating EN 13501-5	B <sub>kerol</sub> (T1, T2, T3, T4)
Authority**	IEC 61215, 61730, TUV, MCS05, MCS12
Compatible roof coverings	All Marley concrete and clay plain, and interlocking tiles. Also compatible with tiles and slates of other manufacturers

\* Design resistance to ultimate loads includes a partial material safety factor of 1.0

\*\* Marley SolarTile® is Clearline Fusion a Viridian Solar product



## ELECTRICAL DATA

	Polycrystalline	Monocrystalline
Model	PV16-270P	PV16-300
Peak power	270Wp	300Wp
Efficiency	17.3%	19.2%
No. of cells	60	60
Max. power voltage (V <sub>mp</sub> )	30.7V	33.1V
Max. power current (I <sub>mp</sub> )	8.8A	9.1A
Open circuit voltage (V <sub>oc</sub> )	37.3V	40.1V
Short circuit current I <sub>sc</sub> )	9.3A	9.6A
NOCT*	45°C	45°C
Cell type	Poly	Mono
Power temperature co-efficient	-0.4%/°C	-0.45%/°C
Current temperature co-efficient	0.06%/°C	0.06%/°C
Voltage temperature co-efficient	-0.30%/°C	-0.34%/°C
Max. system voltage	1000 V <sub>DC</sub>	1000 V <sub>DC</sub>
Safety classification	Class II	Class II

\* Nominal operating cell temperature

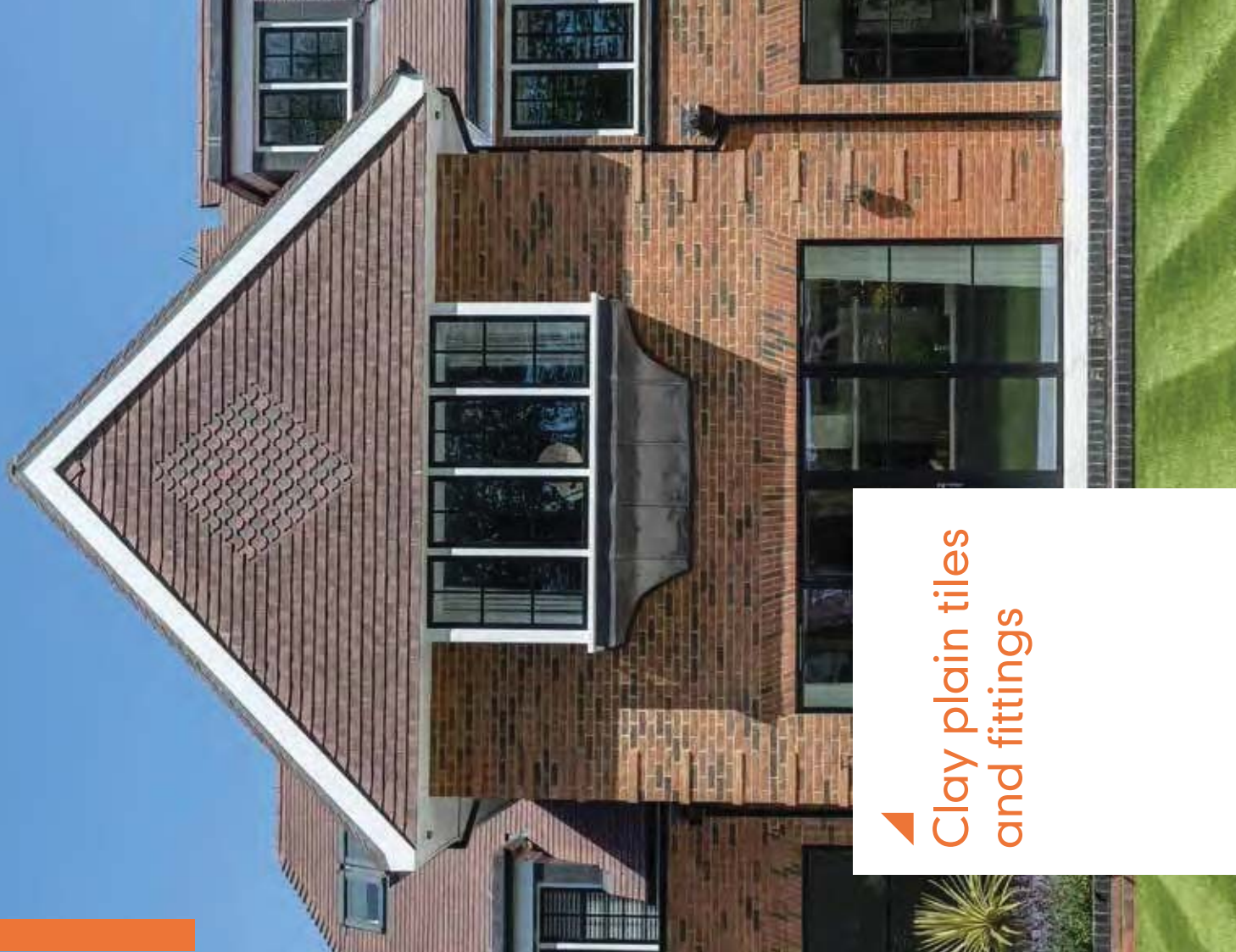


**Marley SolarTile®**

**15 YEAR**

**MARLEY ROOFING SYSTEM WARRANTY**



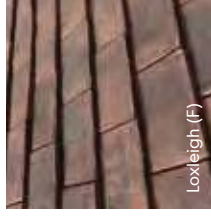


## Clay plain tiles and fittings

# CANTERBURY HANDMADE

True to tradition, a distinctive handmade clay plain tile colour, with a fine sanded finish suitable for roofing and vertical tiling.

## COLOUR AVAILABILITY



Loxleigh (F)

Key  
(F) Fine sanded finish



## TECHNICAL DATA

Size of tile	265mm x 165mm	
Minimum pitch*	40°	
Maximum pitch	90°	
Minimum headlap	65mm (roof)	
Maximum gauge	100mm (roof)	
Tile thickness	13mm (nominal)	
Cover width	165mm (nominal)	
Covering capacity (net)	60 tiles/m <sup>2</sup> at 100mm gauge (roof)	
Weight of tiling (approx.)	74kg/m <sup>2</sup> (0.73 kN/m <sup>2</sup> ) at 100mm gauge (roof)	
Battens required (net)	10.0 lin.m/m <sup>2</sup> at 100mm gauge (roof)	
Batten size recommended	38mm 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.

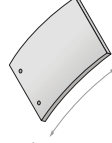
## SUSTAINABILITY

✓ A+ rated in the BRE Green Guide (based on generic rating for UK produced clay plain tiles Element Ref: 812410006)

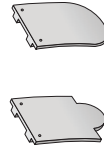
✓ BES 6001 Responsible Sourcing certified

## 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.

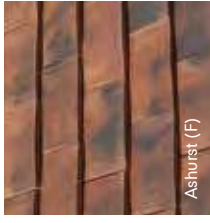


† Made to order

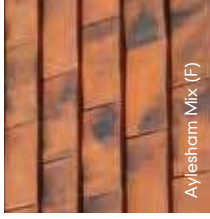
# ASHDOWNNE

Our new and improved Ashdowne handcrafted clay plain tiles offer a warm, mellow appearance, with a granular texture and enhanced irregularities that make each tile unique.

## COLOUR AVAILABILITY



Ashdowne  
Dark Heather (F)



Aylesham Mix (F)

Key  
(F) Fine sanded finish

## TECHNICAL DATA

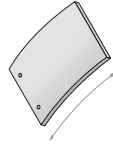
Size of tile	265mm x 165mm	
Minimum pitch*	35°	
Maximum pitch	90°	
Minimum headlap	65mm (roof)	35mm (vertical)
Maximum gauge	100mm (roof)	115mm (vertical)
Tile thickness	11mm (nominal)	
Cover width	165mm (nominal)	
Covering capacity (net)	60 tiles/m <sup>2</sup> at 100mm gauge (roof)	53 tiles/m <sup>2</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	38mm 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<sup>+</sup> rated in the BRE Green Guide (based on generic rating for UK produced clay plain tiles Element Ref: 812410006)

✓ BES 6001 Responsible Sourcing certified



## 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



Bullnose†

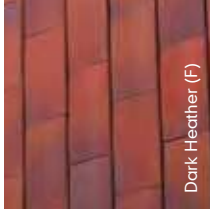


Club†

# HAWKINS

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

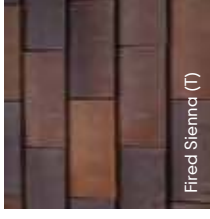
## COLOUR AVAILABILITY



Dark Heather (F)



Staffordshire  
Mixture (F)



Fired Sienna (T)

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



Staffordshire  
Blue (F)



Blue Smooth (S)

## TECHNICAL DATA

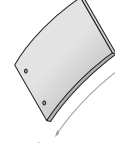
Size of tile	265mm x 165mm	
Minimum pitch*	30°	
Maximum pitch	90°	
Minimum headlap	65mm (roof)	35mm (vertical)
Maximum gauge	100mm (roof)	115mm (vertical)
Tile thickness	11mm (nominal)	
Cover width	165mm (nominal)	
Covering capacity (net)	60 tiles/m <sup>2</sup> at 100mm gauge (roof)	53 tiles/m <sup>2</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	38mm 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<sup>+</sup> rated in the BRE Green Guide (based on generic rating for UK produced clay plain tiles Element Ref: 812410006)

✓ BES 6001 Responsible Sourcing certified



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



Bullnose†



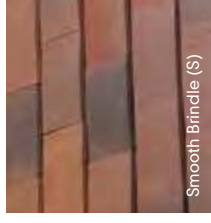
Club†



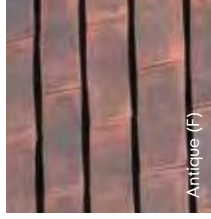
# ACME DOUBLE CAMBER

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

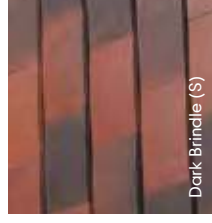
## COLOUR AVAILABILITY



Dark Brindle (S)



Antique (F)



Burnt Flame (S)



Burnt Flame (F)

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

## TECHNICAL DATA

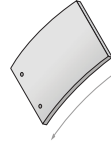
Size of tile	245mm x 165mm	
Minimum pitch*	35°	
Maximum pitch	90°	
Minimum headlap	65mm (roof)	35mm (vertical)
Maximum gauge	100mm (roof)	115mm (vertical)
Tile thickness	11mm (nominal)	
Cover width	165mm (nominal)	
Covering capacity (net)	60 tiles/m <sup>2</sup> at 100mm gauge (roof)	53 tiles/m <sup>2</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	38mm 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)

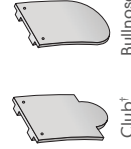
✓ BES 6001 Responsible Sourcing certified



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



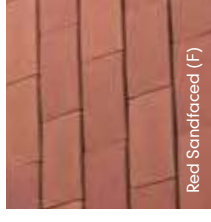
Club†

Bullnose†

# ACME 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.

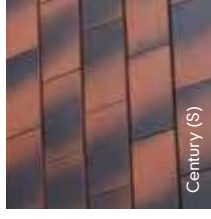
## COLOUR AVAILABILITY



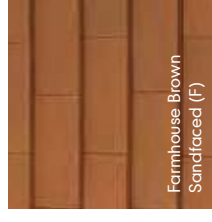
Red Sandfaced (F)



Red Smooth (S)



Century (S)



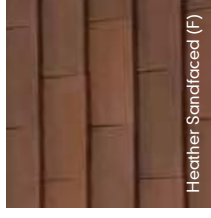
Farmhouse Brown Sandfaced (F)



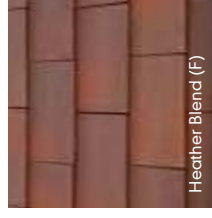
Grey Sandfaced (F)



Mixed Brindle (S)



Heather Sandfaced (F)



Heather Blend (F)

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

## TECHNICAL DATA

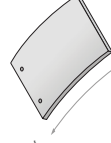
Size of tile	245mm x 165mm	
Minimum pitch*	30°	
Maximum pitch	90°	
Minimum headlap	65mm (roof)	35mm (vertical)
Maximum gauge	100mm (roof)	115mm (vertical)
Tile thickness	11mm (nominal)	
Cover width	165mm (nominal)	
Covering capacity (net)	60 tiles/m <sup>2</sup> at 100mm gauge (roof)	53 tiles/m <sup>2</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	38mm 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)

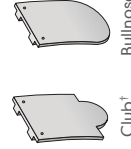
✓ BES 6001 Responsible Sourcing certified



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 FITTINGS & ACCESSORIES

Important note: All the fittings shown on these pages can be used with clay plain tiles, but should not be used on rafter pitches below 35° with Acme double camber or Ashdowne handcrafted clay plain tiles.

## PLAIN TILE FITTINGS

Tile-and-a-half	Eaves/top tile	Creasing tiles <sup>§</sup>	Cloaked verge tiles*	External angle tiles
Angles available	n/a	n/a	n/a	90°, 135°

## FEATURE TILES

Available in a range of colours, please contact customer services for more information.

Club feature tile*	LH club tile-and-a-half*	Bullnose feature tile*	RH bullnose tile-and-a-half*	LH bullnose tile-and-a-half*

## HIPS AND VALLEYS

Mortar bedded security hip kits are available for third round ridges (see page 52)

Granny hip	Semi bonnet hip	Aris hip**	Valley**
Angles available	n/a	130°, 135°, 145°	130°, 135°, 140°, 145°, 150°
Pitch range	40-60°	30-45°	30-50°

## VENTILATION

Available in a range of bases with real clay tile slips on the visible edge (2 tiles wide). The clay tile vent provides a net ventilation area of 10,000mm<sup>2</sup> per vent. Suitable for natural, mechanical or soil pipe ventilation.

Clay in-line tile vent	Tile vent adaptor	Flexible pipe

Note: All measurements in mm.

## RIDGE AND HIP TILES

Mortar bedded security ridge kits are available (see page 50)

Half round ridge	Half round ridge hip end*	Half round ridge stop end*	Mono ridge*
Colours available	All colours	All colours	All colours
Pitch range	30-60°	30-60°	30-45°

Hogs back ridge**	305mm Angular ridge**	305mm Angular ridge stop end*	305mm Angular ridge hip end*
Angles available	n/a	90°, 105°	90°, 105°
Colours available	Burnished	All colours	All colours

450mm Angular ridge	450mm Angular ridge stop end*	450mm Angular ridge hip end*	450mm Capped angular ridge
Angles available	75°, 90°, 105°, 115°, 125°, 135°	75°, 90°, 105°, 115°, 125°, 135°	75°, 90°, 105°, 115°, 125°, 135°
Colours available	Red Smooth, Slate Black	Red Smooth, Slate Black	Red Smooth, Slate Black, Staffordshire Blue†

450mm Capped angular ridge hip end	Third round hip**	Third round hip**	Third round hip end**
Angles available	75°, 90°, 105°, 115°, 125°, 135°	75°, 90°, 105°, 115°, 125°, 135°	n/a
Colours available	Red Smooth, Slate Black	Red Smooth, Slate Black	All colours

450mm Capped angular ridge stop end	450mm Capped angular ridge stop end	450mm Capped angular ridge stop end	450mm Capped angular ridge stop end
Angles available	75°, 90°, 105°, 115°, 125°, 135°	75°, 90°, 105°, 115°, 125°, 135°	75°, 90°, 105°, 115°, 125°, 135°
Colours available	Red Smooth, Slate Black	Red Smooth, Slate Black	Red Smooth, Slate Black, Staffordshire Blue†

450mm Capped angular ridge hip end	450mm Capped angular ridge hip end	450mm Capped angular ridge hip end	450mm Capped angular ridge hip end
Angles available	75°, 90°, 105°, 115°, 125°, 135°	75°, 90°, 105°, 115°, 125°, 135°	n/a
Colours available	Red Smooth, Slate Black, Staffordshire Blue†	Red Smooth, Slate Black, Staffordshire Blue†	All colours

450mm Capped angular ridge stop end	450mm Capped angular ridge stop end	450mm Capped angular ridge stop end	450mm Capped angular ridge stop end
Angles available	75°, 90°, 105°, 115°, 125°, 135°	75°, 90°, 105°, 115°, 125°, 135°	n/a
Colours available	Red Smooth, Slate Black, Staffordshire Blue†	Red Smooth, Slate Black, Staffordshire Blue†	All colours

\* Made to order (subject to minimum order quantities)  
 \*\* Some colours and angles made to order (subject to minimum order quantities)  
 † Staffordshire Blue available to order  
 ‡ Angle ridge wing length will vary depending on ridge angle  
 § Available in Red Smooth

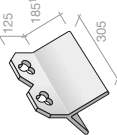
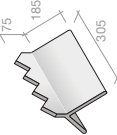
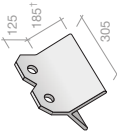


# CLAY FITTINGS & ACCESSORIES

Important note: All the fittings shown on these pages can be used with clay plain tiles, but should not be used on rafter pitches below 35° with Acme double camber or Ashdowne handcrafted clay plain tiles.

## DECORATIVE RIDGES

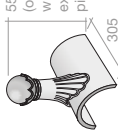
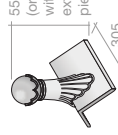
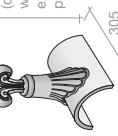
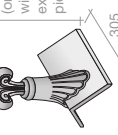
Mortar bedded security ridge kits are available (see page 50)

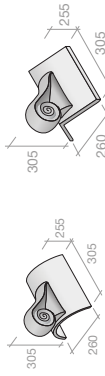
		
Club crested ridge	Cocks comb crested ridge	Two hole crested ridge
90°, 105°	90°, 105°	90°, 105°

Colours available Red Smooth

## CLAY FINIALS

Available in a range of colours and angles. Mortar bedded security ridge kits are available (see page 50)

			
Ball top finial*	Ball top finial*	Fleur-de-Lys finial*	Fleur-de-Lys finial
Red Smooth	Acme/Hawkins Red Smooth 90°, 105° Slate black 90°, 105°	Acme/Hawkins Red Smooth	Acme/Hawkins Red Smooth 90°, 105° Slate black 90°, 105°



Description Scroll finial\*  
Acme/Hawkins  
Red Smooth  
Angle finial  
Acme/Hawkins  
Red Smooth 90°, 105°  
Slate black 90°, 105°

The following dry fix and/or ventilation systems can also be used with clay plain tiles:

- ▲ Universal 10mm and 25mm eaves vent systems (page 56)
- ▲ Continuous dry verge (page 59)
- ▲ Universal plain tile vent (page 58)
- ▲ Universal GRP valley (page 58)
- ▲ Universal RidgeFast system\*\* (page 57)
- ▲ Universal HipFast system\*\* (page 57)

\* Made to order (subject to minimum order quantities)

\*\* Subject to ridge/hip fitting

† Angle ridge wing length will vary depending on ridge angle

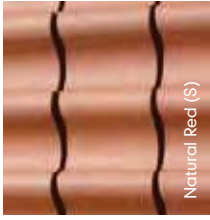
Clay profiled tiles and fittings



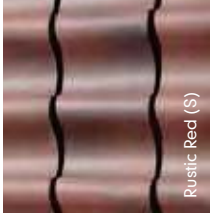
# EDEN

Eden is a pantile that allows faster, better and easier installation, while retaining the beautiful appearance of traditional clay roofs.

## COLOUR AVAILABILITY



Natural Red (\$)



Rustic Red (\$)

Key (\$) Smooth finish

## TECHNICAL DATA

Size of tile	342mm x 247mm
Minimum pitch*	22.5° (72mm headlap)
Maximum pitch	75°
Minimum headlap	72mm
Maximum gauge	270mm
Tile thickness	13mm (nominal)
Covering capacity (net)	17.2 tiles/m <sup>2</sup> at 72mm headlap
Weight of tiling (approx.)	40.42kg/m <sup>2</sup> (0.40kN/m <sup>2</sup> ) at 72mm headlap
Battens required (net)	3.7 lin. m/m <sup>2</sup> at 72mm headlap
Batten size recommended	38mm x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534) 50mm 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 1304

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



## COMPATIBLE DRY FIX AND VENTILATION SYSTEMS

- ▲ Universal RidgeFast system (page 57)
- ▲ Universal HipFast system (page 57)
- ▲ Universal 10mm and 25mm eaves vent systems (page 56)
- ▲ Universal GRP dry valley system (page 58)

## SECURITY FIXING KITS

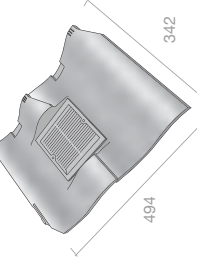
- ▲ Mortar bedded security ridge (page 52)
- ▲ Mortar bedded security hip (page 52)

## EDEN FITTINGS

Available in Rustic Red and Natural Red.

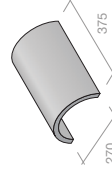


Left hand verge pantile

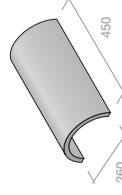


Eden ventilation pantile

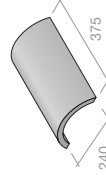
## CLAY INTERLOCKING FITTINGS



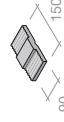
Half round ridge (Natural Red only)



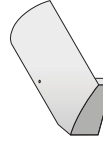
450mm Half round ridge (Rustic Red only)



Third round hip (Natural Red and Rustic Red)



Dentil slips



Clay profile plastic hip end cap (Natural Red and Rustic Red)



Clay profile plastic end cap (Natural Red and Rustic Red)

Note: All measurements in mm.

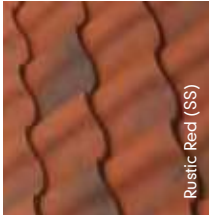


# LINCOLN



The Lincoln is an easy-to-fix clay pantile which balances traditional aesthetics with speed of installation.

## COLOUR AVAILABILITY



Rustic Red (SS)



Natural Red (S)

**Key**  
(SS) Semi-sanded finish  
(S) Smooth finish

## TECHNICAL DATA

Size of tile	370mm x 247mm		
Minimum pitch*	12.5° (100mm headlap)	22.5° (75mm headlap)	
Maximum pitch*	70°		
Minimum headlap	75mm		
Maximum gauge	295mm		
Cover width	222mm (nominal)		
Covering capacity (net)	15.3 tiles/m <sup>2</sup> at 75mm headlap	16.65 tiles/m <sup>2</sup> at 100mm headlap	
Weight of tiling (approx.)	43.0kg/m <sup>2</sup> (0.42kN/m <sup>2</sup> ) at 75mm headlap	46.8kg/m <sup>2</sup> (0.49kN/m <sup>2</sup> ) at 100mm headlap	
Battens required (net)	3.4 lin.m/m <sup>2</sup> at 75mm headlap	3.7 lin.m/m <sup>2</sup> at 100mm headlap	
Batten size recommended	38mm x 25mm for rafters/supports not exceeding 450mm centres (fixed to BS 5534)		
	50mm 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 1304		

\*Speak to our Technical Team for further information. The minimum recommended pitch and lap may be influenced by special circumstances.

## COMPATIBLE DRY FIX AND VENTILATION SYSTEMS

- ▲ Universal RidgeFast system (page 57)
- ▲ Universal HipFast system (page 57)
- ▲ Universal 10mm and 25mm eaves vent systems (page 56)
- ▲ Universal GRP dry valley system (page 58)

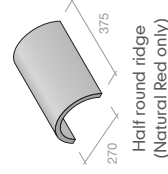
## SECURITY FIXING KITS

- ▲ Mortar bedded security ridge (page 52)
- ▲ Mortar bedded security hip (page 52)

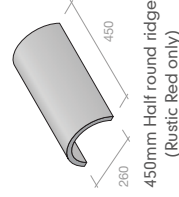
Note: All measurements in mm.



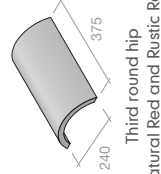
## CLAY INTERLOCKING FITTINGS



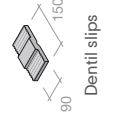
Half round ridge  
(Natural Red only)



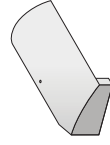
450mm Half round ridge  
(Rustic Red only)



Third round hip  
(Natural Red and Rustic Red)



Dentil slips



Clay profile plastic hip end cap (Natural Red and Rustic Red)



Clay profile plastic end cap (Natural Red and Rustic Red)

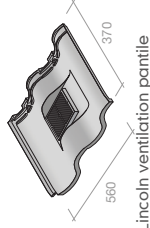
Note: All measurements in mm.

## LINCOLN FITTINGS

Available in Rustic Red and Natural Red.



Left hand verge pantile



Lincoln ventilation pantile

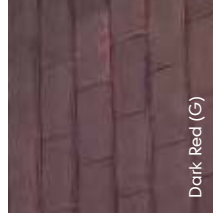
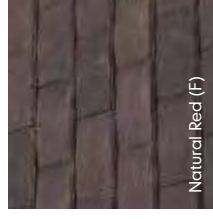
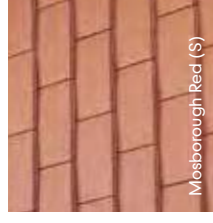


# PLAIN

The authentic single camber design of the Marley 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)	10.0 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	38mm x 25mm for rafters/supports not exceeding 600mm centres (fixed to BS 5534)	
Tile nails	38mm x 2.65mm	
Authority	BS EN 490	

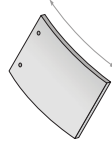
\* The minimum recommended pitch and lap may be influenced by special circumstances, please contact the Technical Advisory Service.

## SUSTAINABILITY

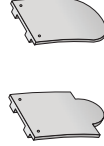
- ✓ A<sup>+</sup> rated in the BRE Green Guide (based on generic rating for UK produced concrete plain tiles  
Element Refs: 812410017, 812410050, 812410064)
- ✓ BES 6001 Responsible Sourcing certified

## 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

Bullnose†

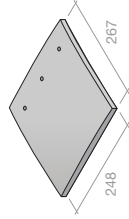
Club†

Concrete plain tiles and fittings



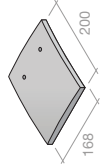
## PLAIN TILE FITTINGS

Available in all colours to match main tiles.

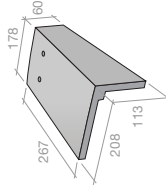


Description

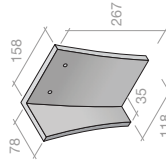
Plain tile-and-a-half  
(Left & right hand)



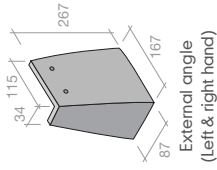
Plain eaves/top tile



Cloak verge tile  
(Left & right hand)

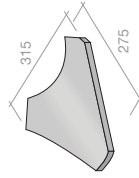


Internal angle  
(Left & right hand)

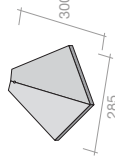


Description

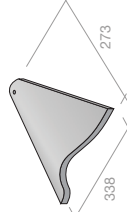
External angle  
(Left & right hand)



Valley tile



Arriis hip



Bonnet hip

Angles available

90°, 120°, 135°

35-50°

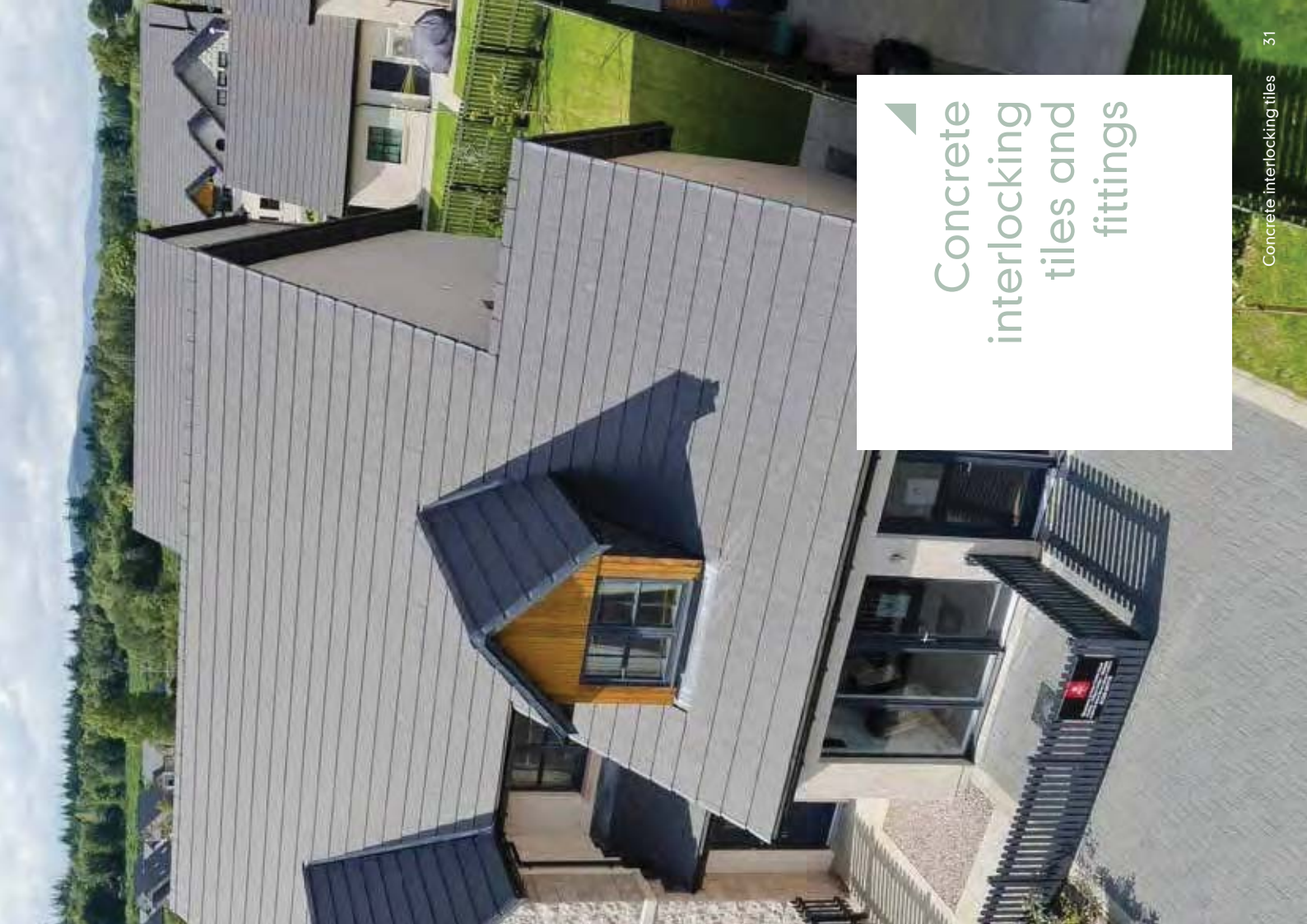
35-40°

35-50°

## PLAIN TILE VERGES, RIDGES & HIP

For ridges and hips compatible with concrete plain tiles, see page 46.

Note: All measurements in mm.



# Concrete interlocking tiles and fittings