



## PLAIN TILE RANGE

TAKE A CLOSER **LOOK**



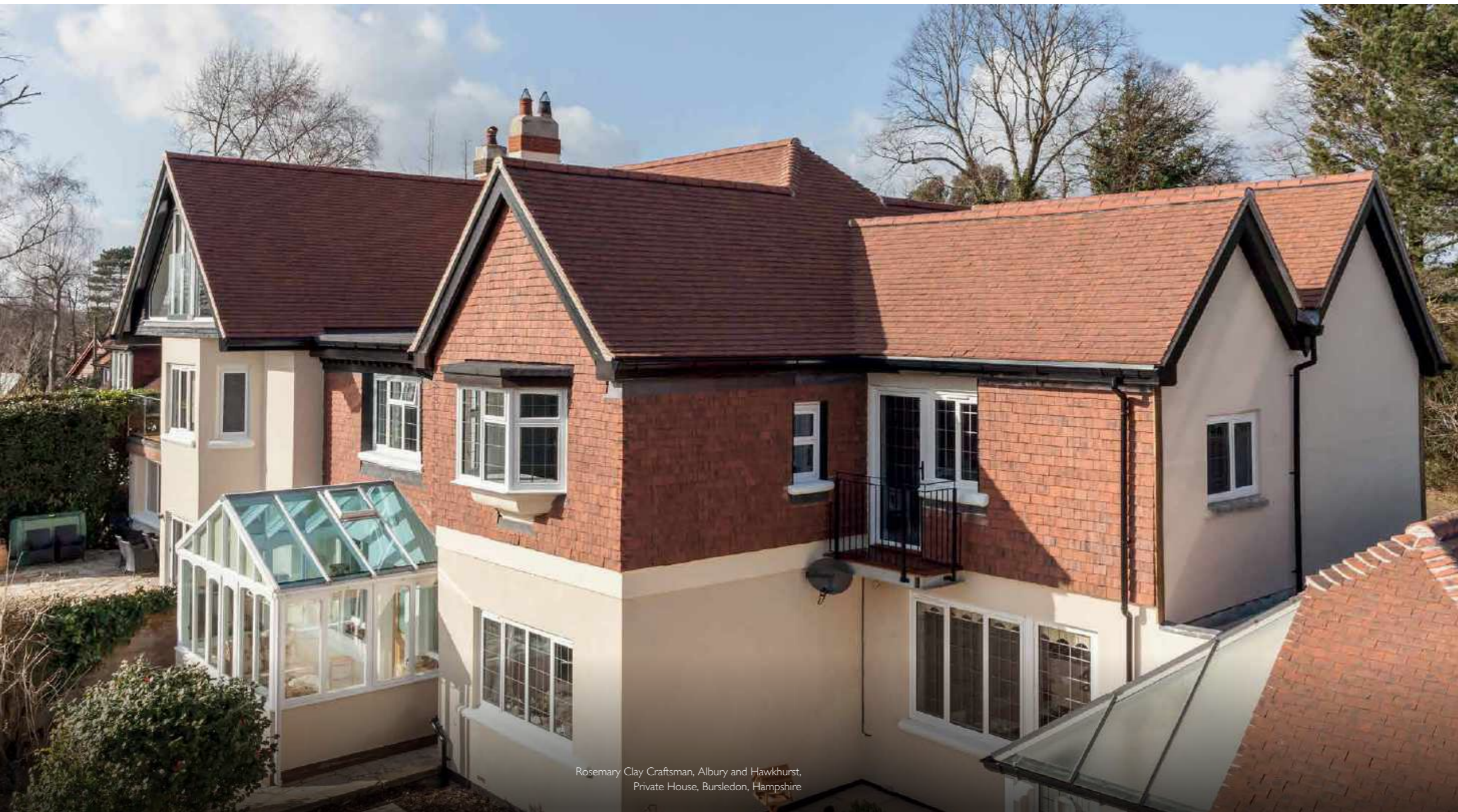
# NATURALLY REDLAND

*“At Redland it is our aim to deliver high-quality roofs that are easy to specify, buy, install and own.”*

Redland is a brand of the worldwide Braas Monier Building Group (BMBG).

With operations in 50 countries and over 100 production sites, BMBG is the leading worldwide supplier of pitched roofing materials. Our goal is to deliver high-quality roofing solutions that perfectly meet our customers' expectations.

Redland draws on the expertise and experience gathered from nearly 100 years as an industry leader. Our range of tiles, slates, renewable energy systems, fittings and accessories, combined with market-leading technical support services, enable us to deliver total pitched roofing solutions you can rely on.



Rosemary Clay Craftsman, Albury and Hawkhurst,  
Private House, Bursledon, Hampshire

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For further information on Redland:  
Visit [www.redland.co.uk](http://www.redland.co.uk) or telephone  
Customer Service on 03705 601000

# INDUSTRY SUPPORT AND TRAINING



Chances are you know someone who has been on one of our courses.

## REDLAND TECHNICAL SOLUTIONS SERVICE

SpecMaster is a free roof specification service and guarantee that provides NBS-based specification clauses. Easily integrated into your own working document, a SpecMaster specification will save you time, and comes with the added reassurance of a comprehensive 15-year design liability and roof weathertightness guarantee.

## REDLAND TECHNICAL SOLUTIONS

Staffed by industry experts with both the technical and real world knowledge of designing with Redland systems, our Technical Solutions team's service will help you bring your project to fruition with industry-leading knowledge every step of the way.



## CPD AND TRAINING

Our purpose-built Redland National Training Centre at South Cerney in Gloucestershire is where Redland personnel, customers, suppliers and specifiers regularly undertake in-depth classroom and practical training. Since it was established in 1983, more than 45,000 people have been trained at the Centre.

As a member of the RIBA CPD Providers Network, we are also able to deliver training sessions, using accredited materials, at customers' own premises.



As well as an unrivalled range of roof tiles and systems, Redland has developed a comprehensive range of free technical services to save you time and provide complete peace of mind in your roofing project.

- 
**SpecMaster**  
 Complete guaranteed roof specification service with NBS-based clauses
- 
**QuantMaster**  
 Redland's bespoke roof materials quantity estimating service
- 
**DesignMaster**  
 Comprehensive CAD library of over 4,000 quality roofing drawings
- 
**ViewMaster**  
 The online visualisation software that enables you to 'try before you buy'
- 
**FixMaster**  
 Fixing specification service tailored to each customer's needs
- 
**EcoMaster**  
 Guaranteed specification service for projects using solar photovoltaic systems

Visit [www.redland.co.uk/services](http://www.redland.co.uk/services) for further information on these services



# ADAPTABILITY IS A KEY FEATURE OF THE PLAIN TILE RANGE

## PLAIN TILE RANGE

The name 'plain' belies the incredible scope and variety of this uniquely versatile roofing material.

Fired clay plain tiles were in use as early as the 14th century. But it was only after the Great Fire of London in 1666, when thatched roofing was no longer allowed in the city, that their use became widespread.

The Redland plain tile range offers a huge selection of colours and finishes to match the many and varied styles still seen around the UK. With a wide choice of clay and concrete tiles suited to almost any pitched roof design, they will produce striking roofs of timeless quality.



	ROSEMARY CLAY CRAFTSMAN	ROSEMARY CLAY CLASSIC	HEATHLAND
Page No.	6-9	10-21	22-29
Min. Pitch	35°	35°	35°
Weight	78kg/m <sup>2</sup>	78kg/m <sup>2</sup>	75kg/m <sup>2</sup>
Cover #	60 tiles/m <sup>2</sup>	60 tiles/m <sup>2</sup>	60 tiles/m <sup>2</sup>
	PLAIN TILE	DUOPLAIN	FONTENELLE INTERLOCKING CLAY PLAIN TILE
Page No.	30-45	46-55	56-61
Min. Pitch	35°	25°	20°*
Weight	75kg/m <sup>2</sup>	55kg/m <sup>2</sup>	52kg/m <sup>2</sup>
Cover#	60 tiles/m <sup>2</sup>	17.7 tiles/m <sup>2</sup>	19.6 tiles/m <sup>2</sup>

\* 15° in certain circumstances

# Depends on headlap used. Refer to product pages for all technical information

Plain tile products are priced according to their colour and surface finish; they are designated as Traditional, Heritage, Premier and Premier Plus. Note that this classification does not apply to Rosemary Clay plain tiles.

### Colour Key

- Rosemary Clay
- Traditional
- Heritage
- Premier
- Premier Plus

Random textured surfaces, irregular front edge distortion and varying hanging lengths combine to give Rosemary Clay Craftsman the look of traditional handmade clay tiles.

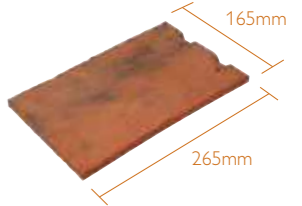


Rosemary Clay Craftsman, Albury, Private House, Cambridge, Cambridgeshire



## ROSEMARY CLAY CRAFTSMAN

A unique manufacturing process on a bespoke production line enables tiles to be produced with a heritage look while maintaining all the attributes and strengths of a brand new tile.



### KEY ADVANTAGES

- Irregular front edge distortion and varying hanging length
- Replicating look of genuine handmade clay tiles
- Three classic colours

### TECHNICAL DATA

<b>Size</b> (overall)	265 x 165mm
<b>Minimum Pitch</b>	35°
<b>Maximum Pitch</b> (subject to fixing specification)	90°
<b>Minimum Headlap</b>	Below 90° 65mm / at 90° 35mm
<b>Maximum Headlap</b>	88mm
<b>Minimum Gauge/Batten Spacing</b>	88mm
<b>Maximum Gauge/Batten Spacing</b>	below 90° 100mm / at 90° 115mm
<b>Hanging Length</b> (approx.)	255mm
<b>Cover</b> (all figures are net and do not allow for wastage)	
Linear cover of 1 tile	165mm
Covering capacity	below 90° 60 tiles/m <sup>2</sup> / at 90° 52 tiles/m <sup>2</sup>
<b>Weight</b>	
per pallet, including pallet (approx.)	below 90° 78kg/m <sup>2</sup> / at 90° 68kg/m <sup>2</sup>
per 1000	0.95 tonnes 1.30 tonnes
<b>Battens Required</b> (at max. gauge)	below 90° 10.0m/m <sup>2</sup>
<b>Batten Size</b>	
Rafter centres up to 600mm	38 x 25mm
<b>Nail Size for Tiles*</b>	40 x 2.65mm (A/A)
<b>Pallet Quantities</b>	Tiles per pallet 720 / Tiles per pack 12 / Packs per pallet 60

\* (A/A) Aluminium Alloy

### FITTINGS & ACCESSORIES

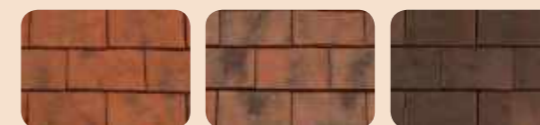
<b>Ornamental Tile</b>	Club Tiles
<b>Angles</b>	External Angles Internal Angles
<b>Hip</b>	Universal Bonnet Hip Third Round Hip Baby Ridge Dry Hip Rapid Hip
<b>Valley</b>	Valley Tiles 125 GRP Valley Dry Valley
<b>Ridge</b>	Half Round Ridge
<b>Ventilation Systems</b>	RedVent EavesVent RedVent 25 Over-Fascia Vent Rapid Eaves Vent Top Edge Abutment Ventilation DryVent Ridge Continuous Ridge System Uni-Vent Rapid Ridge/Hip RedLine Vent Tile

### ORNAMENTAL TILES, RIDGES AND FINIALS

Please refer to page 63.



### COLOURS



84 Hawkhurst (Sanded)

85 Albury (Sanded)

98 Victorian



ROSEMARY CLAY CRAFTSMAN || **84** Hawkhurst (Sanded)

A traditional warm bright clay with authentic natural textures to create a heritage look.



ROSEMARY CLAY CRAFTSMAN | **85** Albury (Sanded)

A traditional warm dark reddish clay with authentic natural textures to create an aged heritage look.

ROSEMARY CLAY CRAFTSMAN | 98 Victorian

A dark and blackened clay with authentic natural textures to create an aged heritage look.



Rosemary Clay Craftsman, Victorian,  
Private House, Gillingham, Kent



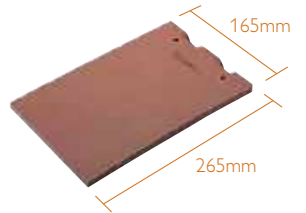
The Rosemary name is synonymous with quality clay plain tiles. For over 175 years Rosemary has been adding character to British roofs.

Rosemary Clay Classic, Red,  
Mansion House, Shandwick, Troon, Scotland



## ROSEMARY CLAY CLASSIC

Produced from the finest clays, Rosemary is offered in a range of weathered, brindled and single colours.



### KEY ADVANTAGES

- Rosemary brand synonymous with clay plain tiles
- Smooth and sanded finishes
- Mellows naturally with age

### TECHNICAL DATA

<b>Size (overall)</b>	265 x 165mm
<b>Minimum Pitch</b>	35°
<b>Maximum Pitch</b> (subject to fixing specification)	90°
<b>Minimum Headlap</b>	Below 90° 65mm / at 90° 35mm
<b>Maximum Headlap</b>	88mm
<b>Minimum Gauge/Batten Spacing</b>	88mm
<b>Maximum Gauge/Batten Spacing</b>	below 90° 100mm / at 90° 115mm
<b>Hanging Length</b> (approx.)	255mm
<b>Cover</b> (all figures are net and do not allow for wastage)	
Linear cover of 1 tile	165mm
Covering capacity	below 90° 60 tiles/m <sup>2</sup> / at 90° 52 tiles/m <sup>2</sup>
<b>Weight</b>	
per pallet, including pallet (approx.)	below 90° 78kg/m <sup>2</sup> / at 90° 68kg/m <sup>2</sup>
per 1000	1.11 tonnes
	1.30 tonnes
<b>Battens Required</b> (at max. gauge)	below 90° 10.0m/m <sup>2</sup>
<b>Batten Size</b>	
Rafter centres up to 600mm	38 x 25mm
<b>Nail Size for Tiles*</b>	40 x 2.65mm (A/A)
<b>Pallet Quantities</b>	Tiles per pallet 840 / Tiles per pack 14 / Packs per pallet 60

\* (A/A) Aluminium Alloy

### FITTINGS & ACCESSORIES

<b>Ornamental Tile</b>	Club Tiles
<b>Angles</b>	External Angles Internal Angles
<b>Hip</b>	Universal Bonnet Hip Arris Hips Third Round Hip Baby Ridge Dry Hip Rapid Hip
<b>Valley</b>	Valley Tiles 125 GRP Valley Dry Valley
<b>Ridge</b>	Half Round Ridge
<b>Ventilation Systems</b>	RedVent EavesVent RedVent 25 Over-Fascia Vent Rapid Eaves Vent Top Edge Abutment Ventilation DryVent Ridge Continuous Ridge System Uni-Vent Rapid Ridge/Hip RedLine Vent Tile

### ORNAMENTAL TILES, RIDGES AND FINIALS

Please refer to page 63.



### COLOURS

<b>80</b> Red	<b>81</b> Light Mixed Brindle	<b>82</b> Medium Mixed Brindle	<b>83</b> Heather Brindle (Sanded)
<b>87</b> Blue Brindle	<b>91</b> Burnt Blend (Sanded)	<b>94</b> Russet Mix (Sanded)	<b>95</b> Dark Antique





ROSEMARY CLAY CLASSIC | **80** Red

Our most popular classic red in varying shades.



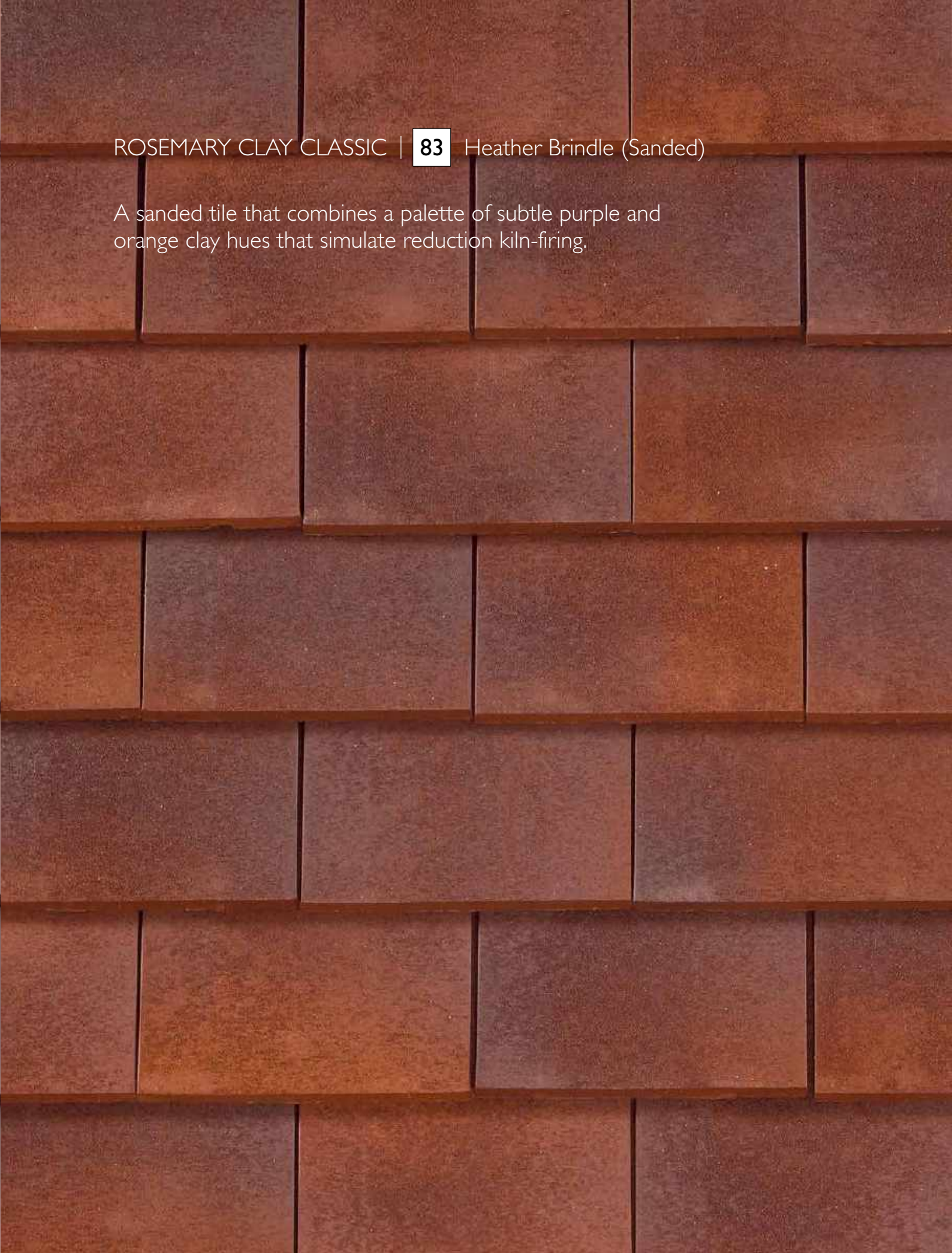
ROSEMARY CLAY CLASSIC | **81** Light Mixed Brindle

A variable mix of light brindled and red clay tiles which create a pleasing textured roofscape.



ROSEMARY CLAY CLASSIC | **82** Medium Mixed Brindle

Our most popular clay tile. A variable mix of medium-toned brindled clay tiles which create a pleasing roofscape.



ROSEMARY CLAY CLASSIC | **83** Heather Brindle (Sanded)

A sanded tile that combines a palette of subtle purple and orange clay hues that simulate reduction kiln-firing.

ROSEMARY CLAY CLASSIC | **87** Blue Brindle

Simulates the striking variable blue hues that come from Midlands reduction kiln-fired clay.

ROSEMARY CLAY CLASSIC | **91** Burnt Blend (Sanded)

A classic red, where red and black sands partially coat the surface to create a highly distinct finish, for a characterful roof.

ROSEMARY CLAY CLASSIC | **94** Russet Mix (Sanded)

A sanded tile with a mix of varying brown tones to give a rich textured roofscape.

ROSEMARY CLAY CLASSIC | **95** Dark Antique

A unique dark finish imitates the historic smoke-tarnished roofs often found in the South.



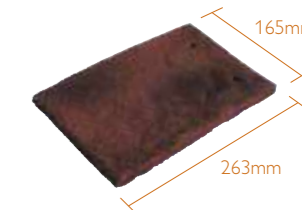
Variation in hanging length, irregular sides and subtle surface texturing, finished with randomly applied fine sands combine to create all the visual features of a handmade clay tile.

Heathland, Elizabethan & Wealden Red, Private Residence, Albourne, West Sussex



## HEATHLAND

Heathland combines natural weathered character with the performance of a machine-made tile in an attractive and cost-effective roofing product.



### KEY ADVANTAGES

- Concrete tile with randomly applied fine sand coating
- Varying hanging length
- Offers practical and economic alternative to handmade clay tiles

### TECHNICAL DATA

<b>Size (overall)</b>	263 x 165mm
<b>Minimum Pitch</b>	35°
<b>Maximum Pitch</b> (subject to fixing specification)	90°
<b>Minimum Headlap</b>	Below 90° 65mm / at 90° 35mm
<b>Maximum Headlap</b>	88mm
<b>Minimum Gauge/Batten Spacing</b>	88mm
<b>Maximum Gauge/Batten Spacing</b>	below 90° 100mm / at 90° 115mm
<b>Hanging Length (approx.)*</b>	243mm
<b>Cover*</b> (all figures are net and do not allow for wastage)*	
Linear cover of 1 tile	165mm
Covering capacity	below 90° 60 tiles/m <sup>2</sup> / at 90° 52 tiles/m <sup>2</sup>
<b>Weight</b>	below 90° 75kg/m <sup>2</sup> / at 90° 65kg/m <sup>2</sup>
per pallet, including pallet (approx.)	1.01 tonnes
per 1000	1.25 tonnes
<b>Battens Required</b> (at max. gauge)	below 90° 10.0m/m <sup>2</sup>
<b>Batten Size</b>	
Rafter centres up to 600mm	38 x 25mm
<b>Fixing Clips</b>	Top Tile Clips
<b>Nail Size for Tiles*</b>	40 x 2.65mm (A/A)
<b>Pallet Quantities</b>	Tiles per pallet 768 / Tiles per pack 16 / Packs per pallet 48

\* (A/A) Aluminium Alloy

† Variation in hanging length and linear cover is a purpose designed feature of this tile and therefore the relevant clauses of BS EN 490 do not apply.

### COLOURS



### FITTINGS & ACCESSORIES

<b>Ornamental Tile</b>	Club Tiles
<b>Angles</b>	External Angles
<b>Hip</b>	Universal Bonnet Hip Third Round Hip Baby Ridge Dry Hip Rapid Hip
<b>Valley</b>	Universal Valley Tile 125 GRP Valley Dry Valley
<b>Ridge</b>	Half Round Ridge Half Round Monoridge
<b>Ventilation Systems</b>	RedVent EavesVent RedVent 25 Over-Fascia Vent Rapid Eaves Vent Top Edge Abutment Ventilation DryVent Ridge DryVent Monoridge Continuous Ridge System Uni-Vent Rapid Ridge/Hip RedLine Vent Tile

### ORNAMENTAL TILES, RIDGES AND FINIALS

Please refer to page 63.





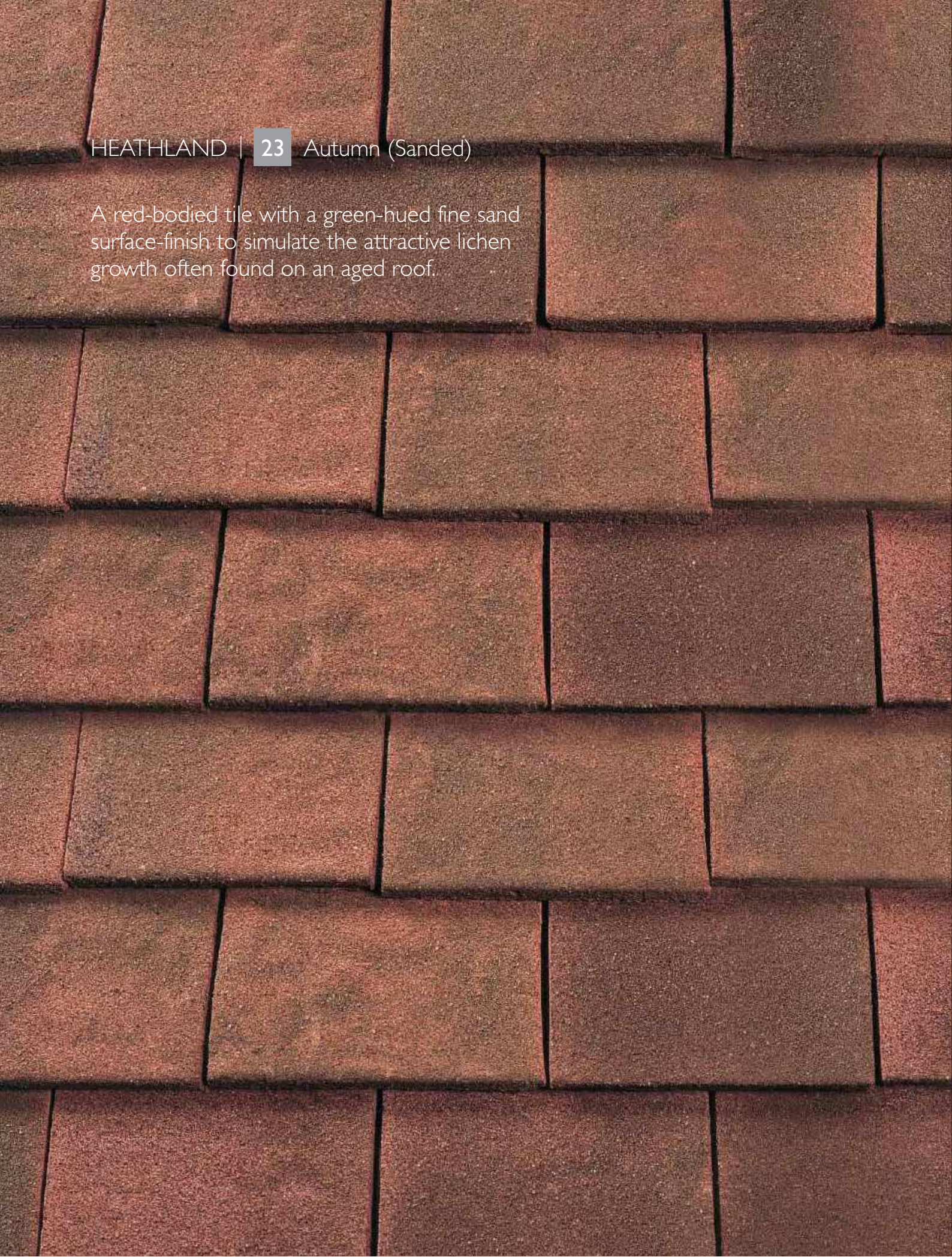
HEATHLAND | **20** Manor House Mix (Granular)

A popular mix of natural earth with a vibrant secondary orange colour and granulated surface texturing.



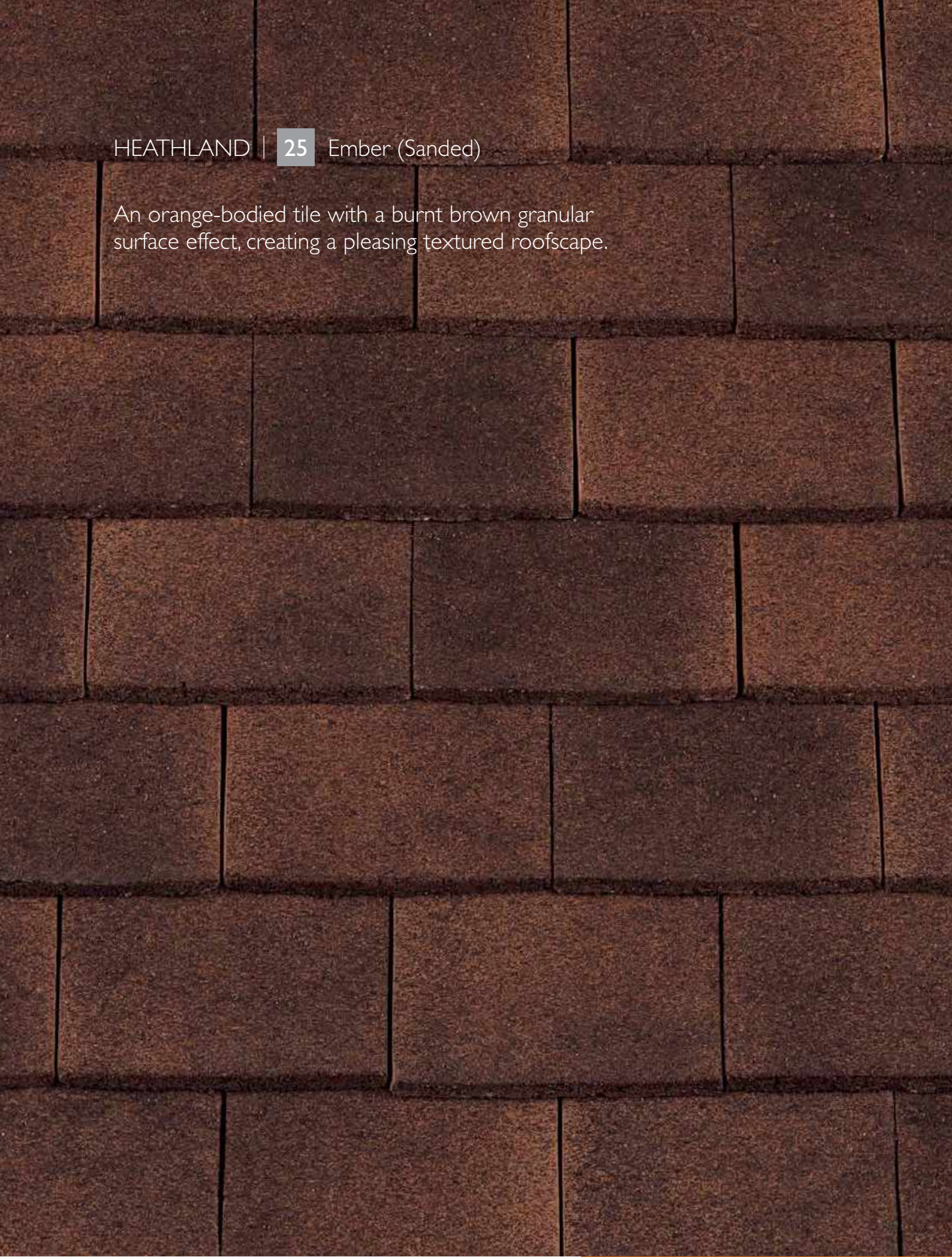
HEATHLAND | **22** Wealden Red (Sanded)

A warm vibrant red with fine sand surface finish to create a pleasing textured roofscape.



HEATHLAND | 23 Autumn (Sanded)

A red-bodied tile with a green-hued fine sand surface-finish to simulate the attractive lichen growth often found on an aged roof.



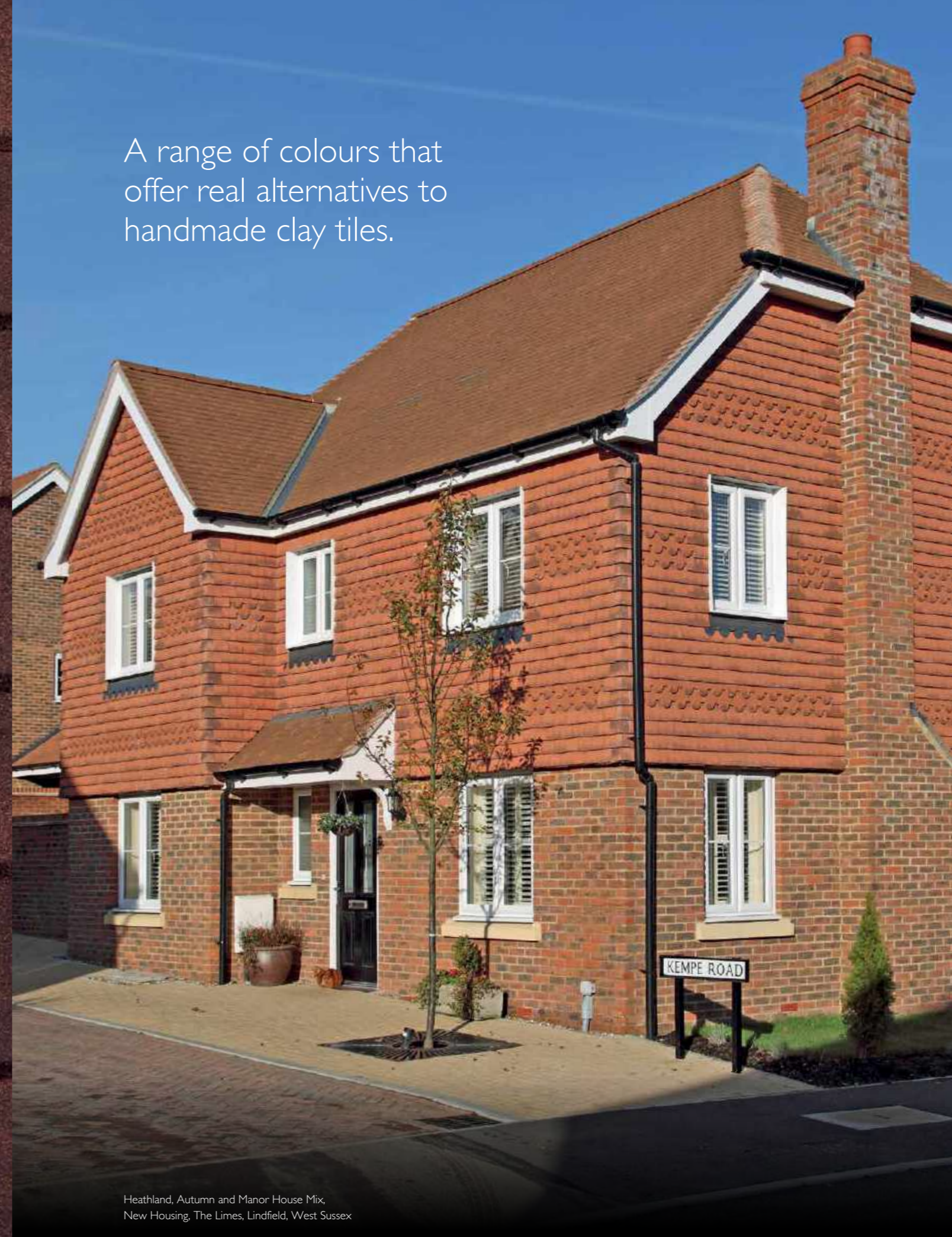
HEATHLAND | 25 Ember (Sanded)

An orange-bodied tile with a burnt brown granular surface effect, creating a pleasing textured roofscape.

HEATHLAND | 26 Elizabethan (Sanded)

A deep red-bodied tile with a fine black sand surface finish, creating a pleasing textured roofscape.

A range of colours that offer real alternatives to handmade clay tiles.



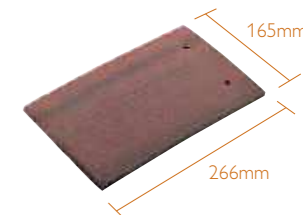
Heathland, Autumn and Manor House Mix,  
New Housing, The Limes, Lindfield, West Sussex





A cross-cambered concrete tile with a traditional appearance that's easy to fix and robust enough to withstand the worst of the British weather.

Plain Tiles, Breckland Black, Alvaston Hall, Cheshire



## PLAIN TILE

Available in a range of fourteen natural shades, granular, through-coloured and acrylic coated, to match any roofing environment.

### KEY ADVANTAGES

- Versatile concrete tile with wide scope for a variety of roofing effects
- Quick and easy to lay
- Smooth, coated and sanded finishes to blend with every regional roofing style

### TECHNICAL DATA

<b>Size (overall)</b>	266 x 165mm
<b>Minimum Pitch</b>	35°
<b>Maximum Pitch</b> (subject to fixing specification)	90°
<b>Minimum Headlap</b>	Below 90° 65mm / at 90° 35mm
<b>Maximum Headlap</b>	88mm
<b>Minimum Gauge/Batten Spacing</b>	88mm
<b>Maximum Gauge/Batten Spacing</b>	below 90° 100mm / at 90° 115mm
<b>Hanging Length</b> (approx.)	246mm
<b>Cover</b> (all figures are net and do not allow for wastage)	
Linear cover of 1 tile	165mm
Covering capacity	below 90° 60 tiles/m <sup>2</sup> / at 90° 52 tiles/m <sup>2</sup>
<b>Weight</b>	
per pallet, including pallet (approx.)	below 90° 75kg/m <sup>2</sup> / at 90° 65kg/m <sup>2</sup>
per 1000	1.01 tonnes
	1.25 tonnes
<b>Battens Required</b> (at max. gauge)	below 90° 10.0m/m <sup>2</sup>
<b>Batten Size</b>	
Rafter centres up to 600mm	38 x 25mm
<b>Fixing Clips</b>	Top Tile Clips
<b>Nail Size for Tiles*</b>	40 x 2.65mm (A/A)
<b>Pallet Quantities</b>	Tiles per pallet 768 / Tiles per pack 16 / Packs per pallet 48

\* (A/A) Aluminium Alloy

### FITTINGS & ACCESSORIES

<b>Ornamental Tile</b>	Club Tiles
<b>Angles</b>	External Angles
<b>Hip</b>	Universal Bonnet Hip Third Round Hip Baby Ridge Dry Hip Rapid Hip
<b>Valley</b>	Universal Valley Tile 125 GRP Valley Dry Valley
<b>Ridge</b>	Half Round Ridge Half Round Monoridge
<b>Ventilation Systems</b>	RedVent EavesVent RedVent 25 Over-Fascia Vent Rapid Eaves Vent Top Edge Abutment Ventilation DryVent Ridge DryVent Monoridge Continuous Ridge System Uni-Vent Rapid Ridge/Hip RedLine Vent Tile Rapid RoofVent 4.5k ThruVent Tile

### ORNAMENTAL TILES, RIDGES AND FINIALS

Please refer to page 63.

### COLOURS





PLAIN TILE | **02** Brown (Granular)

An established brown tile with a granulated finish popular across the UK.



PLAIN TILE | **03** Antique Red (Granular)

A deep red with a granulated surface finish to give rich texture.



PLAIN TILE | **12** Cotswold (Granular)

Emulating the old world colour, tone and texture of natural Cotswold stone.



PLAIN TILE | **18** Hedgerow Brown (Granular)

A domestic brown shade with a granulated surface finish for texture.

PLAIN TILE | **27** Natural Red (Sanded)

Through-coloured with a fine sand partial coating to emulate the colour of natural aged clay roof tiles.

PLAIN TILE | **30** Slate Grey

A popular grey colour, inspired by the appearance of natural slate.



PLAIN TILE | **34** Terracotta

The traditional fired-clay red of terracotta tiles.



PLAIN TILE | **36** Tudor Brown

A traditional period brown.

PLAIN TILE | **39** Farmhouse Red

A popular terracotta red with a dark colour effect to imitate the attractive aging of a rain-streaked roof.

PLAIN TILE | **52** Breckland Brown

A traditional brown tile with a red-tinged streaking effect to simulate a weathered roof.



PLAIN TILE | **53** Breckland Black

A slate-like grey tile with a red-tinged streaking effect to simulate a weathered roof.



PLAIN TILE | **63** Black (Coated)

Our very darkest tile set off by a subtle sheen finish.

PLAIN TILE | 77 Charcoal Grey (Coated)

A rich dark colour set off by a subtle sheen, particularly favoured in the North of England and Scotland.

PLAIN TILE | 78 Rustic Red (Coated)

A deep red set off by a subtle sheen and with a dark colour effect to imitate the attractive aging of a rain-streaked roof.





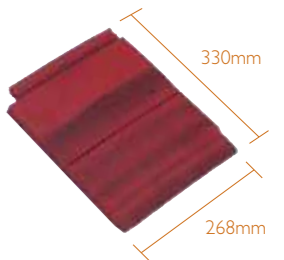
DuoPlain combines the classic proportions and good looks of traditional plain tiles with all the time and cost-saving benefits of a modern, large-format, interlocking tile.

DuoPlain, Rustic Black,  
Private Houses, Lydd, Kent



## DUOPLAIN

Engineered for strength, ease of handling and ease of installation, it fulfils the three main demands of a modern roofing tile. Available in seven popular colours.



### KEY ADVANTAGES

- Two 'plain tile' segments give the appearance of a smaller format tile
- Quick and cost-effective to lay
- Seven colour variations to match regional styles and materials

### TECHNICAL DATA

<b>Size</b> (overall)	268 x 330mm
<b>Minimum Pitch</b>	25°
<small>(The minimum pitch is based on a maximum rafter length of 10 metres. For rafter lengths greater than this, please contact the Technical Solutions on 03708 702595)</small>	
<b>Maximum Pitch</b> (subject to fixing specification)	90°
<b>Minimum Headlap</b>	80mm
<b>Maximum Headlap</b>	95mm
<b>Minimum Gauge/Batten Spacing</b>	173mm
<b>Maximum Gauge/Batten Spacing</b>	188mm
<b>Hanging Length</b> (approx.)	245mm
<b>Cover</b> (all figures are net and do not allow for wastage)	
Linear cover of 1 tile	300mm
Covering capacity	17.7 tiles/m <sup>2</sup> (at 188mm gauge)
<b>Weight</b>	
per pallet, including pallet (approx.)	55kg/m <sup>2</sup> (at 173mm gauge)
per 1000	0.91 tonnes
	3.10 tonnes
<b>Battens Required</b> (at max. gauge)	5.26m/m <sup>2</sup>
<b>Batten Size</b>	
Rafter centres up to 450mm	38 x 25mm
Rafter centres up to 600mm	50 x 25mm
<b>Nail Size for Tiles*</b>	45 x 3mm (A/A) or 45 x 3.35mm (S/S)
<small>(Depending on fixing specification)</small>	
<b>Pallet Quantities</b>	Tiles per pallet 288 / Tiles per pack 6 / Packs per pallet 48

\* (A/A) Aluminium Alloy (S/S) Stainless Steel Ring Shank

### COLOURS



### FITTINGS & ACCESSORIES

<b>Verge</b>	Ambi-DryVerge
<b>Hip</b>	Third Round Hip Baby Ridge Dry Hip Rapid Hip
<b>Valley</b>	125 GRP Valley Dry Valley
<b>Ridge</b>	Half Round Ridge Half Round Monoridge
<b>Ventilation Systems</b>	RedVent EavesVent RedVent 25 Over-Fascia Vent Rapid Eaves Vent Top Edge Abutment Ventilation DryVent Ridge DryVent Monoridge Continuous Ridge System Uni-Vent Rapid Ridge/Hip RedLine Vent Tile

### ORNAMENTAL RIDGES AND FINIALS

Please refer to page 63.



DUOPLAIN | 11 Tuscan Red (Coated)

Bright and pleasing orange-red tone, set off by a subtle sheen.

DUOPLAIN | 38 Flame Red (Coated)

A full-bodied red tile set off by a subtle sheen, with a dark colour effect to imitate the attractive aging of a rain-streaked roof.

DUOPLAIN | 40 Rustic Brown (Coated)

A homely brown tile, with a particular colour effect to feign a pleasantly aged roof, and set off by a subtle sheen.



DuoPlain gives the appearance of traditional plain tiles but with the added benefit of being able to be laid at pitches down to 25°.

DuoPlain, Rustic Brown,  
Antler Homes, West Byfleet, Surrey



DUOPLAIN | 45 Rustic Black (Coated)

The appearance of a dark slate, with a particular colour effect to feign a pleasantly aged roof, and set off by a subtle sheen.



DUOPLAIN | 64 Blue (Coated)

An intense dark blue-grey in a burnished finish.

A close-up photograph of Charcoal Grey roof tiles. The tiles are rectangular and laid in a staggered pattern. They have a dark, almost black, charcoal grey color with a subtle sheen that reflects light, giving them a slightly glossy appearance. The background is a solid dark grey.

DUOPLAIN | 77 Charcoal Grey (Coated)

A rich dark colour set off by a subtle sheen, particularly favoured in the North of England and Scotland.

A close-up photograph of Rustic Red roof tiles. The tiles are rectangular and laid in a staggered pattern. They have a deep, rich red color with a subtle sheen and a dark, almost black, color effect that imitates the aging of a rain-streaked roof. The background is a solid dark red.

DUOPLAIN | 78 Rustic Red (Coated)

A deep red set off by a subtle sheen and with a dark colour effect to imitate the attractive aging of a rain-streaked roof.

With lower costs and shorter completion times, Fontenelle offers all the benefits of a clay plain tile roof at an affordable price.

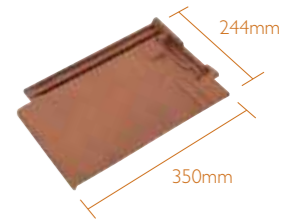


Fontenelle Interlocking Clay Plain Tile, Brindle, Oakdale Homes, Retford, Nottinghamshire



## FONTENELLE INTERLOCKING CLAY PLAIN TILE

A clay tile that offers a plain tile appearance, but with the benefits of reduced labour and material costs.



### KEY ADVANTAGES

- Tested down to a minimum pitch of 20° and, in certain circumstances, 15°
- Makes a clay plain tile appearance roof more affordable requiring only 19.6 tiles/m<sup>2</sup>
- Reduces labour and material costs and cuts completion times

### TECHNICAL DATA

<b>Size (overall)</b>	350 x 244mm
<b>Minimum Pitch</b>	20°
<small>(The minimum pitch is 15° in certain circumstances. The minimum pitch is based on a maximum rafter length of 10 metres. For rafter lengths greater than this and related queries, please contact the Technical Solutions on 03708 702595)</small>	
<b>Maximum Pitch (subject to fixing specification)</b>	90°
<b>Minimum Headlap</b>	95mm
<b>Maximum Headlap</b>	110mm
<b>Minimum Gauge/Batten Spacing</b>	240mm
<b>Maximum Gauge/Batten Spacing</b>	255mm
<b>Hanging Length (approx.)</b>	321mm
<b>Cover</b> (all figures are net and do not allow for wastage)	
Linear cover of 1 tile	200mm
Covering capacity	19.6 tiles/m <sup>2</sup> (at 255mm gauge)
<b>Weight</b>	
per pallet, including pallet (approx.)	52kg/m <sup>2</sup> (at 255mm gauge) 1.13 tonnes
per 1000	2.65 tonnes
<b>Battens Required (at max. gauge)</b>	3.92m/m <sup>2</sup>
<b>Batten Size</b>	
Rafter centres up to 450mm	38 x 25mm
Rafter centres up to 600mm	50 x 25mm
<b>Nail Size for Tiles*</b>	
(Depending on fixing specification)	55 x 2.65mm (S/S)
<b>Pallet Quantities</b>	Tiles per pallet 420 / Tiles per pack 60 / Packs per pallet 7

\* (S/S) Stainless Steel Ring Shank

### FITTINGS & ACCESSORIES

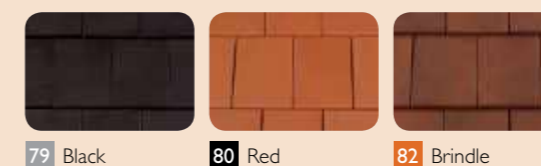
<b>Hip</b>	Third Round Hip
<b>Valley</b>	125 GRP Valley Dry Valley
<b>Ridge</b>	Half Round Ridge Half Round Monoridge
<b>Ventilation Systems</b>	RedVent EavesVent RedVent 25 Over-Fascia Vent Rapid Eaves Vent Top Edge Abutment Ventilation DryVent Ridge DryVent Monoridge Uni-Vent Rapid Ridge/Hip 4.5k ThruVent Tile

### ORNAMENTAL RIDGES AND FINIALS

Please refer to page 63.



### COLOURS





FONTENELLE | 79 Black

Our very darkest tile set off by a subtle sheen finish.



FONTENELLE | 80 Red

A terracotta red.

FONTENELLE | 82 Brindle

A rich terracotta colour with a subtle brindling effect.

Fully wind tunnel tested for use down to a minimum pitch of 20°.

Fontenelle Interlocking Clay Plain Tile, Red,  
Private House, Finningley, South Yorkshire



Redland offers three concrete ornamental ridges and four finials for both Universal Angle and Half Round Ridges, designed to replicate the most popular ornamental features found within the built environment.



## ORNAMENTAL TILES, RIDGES AND FINIALS

With decorative effects being incorporated more frequently into roof designs, we offer the Club ornamental tile in all our clay and concrete plain tile colours.

### KEY ADVANTAGES

- Ornamental Ridges and Finials are fully compatible with all our ridge fixing systems
- Club Tiles have a guaranteed performance in all weather conditions down to 40° pitch

ORNAMENTAL RIDGES	Product Codes	Overall Size (L x W x H mm)	Height of Crest (mm)	Weight (kg)	ORNAMENTAL TILES
 <b>Cockscomb Ridge</b> Half Round Ridge Half Round Ridge Block-End	7458	450 x 256 x 198	100	7.6	 <b>Rosemary Clay Craftsman 6521</b>
	7540	450 x 256 x 315	100	8.8	
 <b>Three Hole Crested Ridge</b> Half Round Ridge Half Round Ridge Block-End	7455	450 x 256 x 248	150	8.4	 <b>Rosemary Clay Classic 6521</b>
	7560	450 x 256 x 370	150	9.6	
 <b>Fleur-de-Lys Ridge</b> Half Round Ridge Half Round Ridge Block-End	7457	450 x 256 x 248	150	8.0	 <b>Heathland 6671</b>
	7570	450 x 256 x 370	150	9.2	
FINIALS	Product Codes	Overall Size (L x W x H mm)	Height of Finial (mm)	Weight (kg)	Concrete Plain Tile 6251
 <b>Scroll</b> Half Round Ridge Half Round Ridge Block-End	7527	300 x 256 x 298	200	8.1	 <b>Concrete Plain Tile 6251</b>
	7528	300 x 256 x 415	200	11.6	
 <b>Short Ball Top</b> Half Round Ridge Half Round Ridge Block-End	7481	300 x 256 x 368	270	7.0	
	7843	300 x 256 x 485	270	10.5	
 <b>Tall Ball Top</b> Half Round Ridge Half Round Ridge Block-End	7482	300 x 256 x 468	370	7.4	
	7484	300 x 256 x 585	370	10.9	
 <b>Fleur-de-Lys</b> Half Round Ridge Half Round Ridge Block-End	7489	300 x 256 x 518	420	7.4	
	7490	300 x 256 x 635	420	10.9	

Guidance Notes: Fixings – all Ornamental Ridges and Finials should be fixed using 100mm stainless steel woodscrews

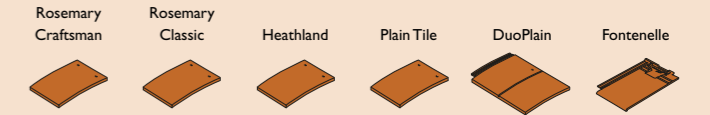
## FITTINGS COLOUR RANGE

	02 Brown	03 Antique Red	11 Red	12 Cotswold	18 Hedgerow Brown	20 Manor House Mix	22 Wealden Red	23 Autumn	25 Ember	26 Elizabethan	27 Natural Red	30 Slate Grey	34 Terracotta	35 Rustic Brown	36 Tudor Brown	39 Farmhouse Red	45 Rustic Black	52 Breckland Brown	53 Breckland Black	63 Black	64 Blue	77 Charcoal Grey	78 Rustic Red	79 Black	80 Red	81 Light Mixed Brindle	82 Medium Mixed Brindle	82 Brinde	83 Heather Brindle	84 Hawhurst	85 Albany	87 Blue Brindle	91 Burnt Blend	94 Russet Mix	95 Dark Antique	98 Victorian		
Third Round Hip	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Third Round Block-End Hip	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Half Round Ridge	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Half Round Block-End Ridge	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Half Round Ridge Vent Terminal	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Half Round Gas Flue Ridge Terminal	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Half Round Cockscomb Ridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Half Round Cockscomb Block-End Ridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Half Round 3 Hole Crested Ridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Half Round 3 Hole Crested Block-End Ridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Half Round Fleur-de-Lys Ridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Half Round Fleur-de-Lys Block-End Ridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Half Round Scroll Finial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Half Round Block-End Scroll Finial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Half Round Short Ball Top Finial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Half Round Block-End Short Ball Top Finial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Half Round Tall Ball Top Finial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Half Round Block-End Tall Ball Top Finial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Half Round Fleur-de-Lys Finial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Half Round Block-End Fleur-de-Lys Finial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Half Round Monoridge	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Half Round Block-End Monoridge LH	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Half Round Block-End Monoridge RH	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Bonnet Hip	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Arris Hip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Baby Ridge	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Pascal Roll	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Valley Tile	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Club Tile	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
External Angle LH 90°	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
External Angle RH 90°	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Internal Angle LH 90°	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Internal Angle RH 90°	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
External Angle LH 135°	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
External Angle RH 135°	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

## PRODUCT CODES

Product codes are given with dimensions below in small text. All dimensions are in mm (unless stated) in the order: length, width and height (where applicable).

For fittings colour range availability refer to table on page 64.



TILES	Rosemary Craftsman	Rosemary Classic	Heathland	Plain Tile	DuoPlain	Fontenelle
Standard Tile (shown above)	6921 265 x 165	As per colour 265 x 165	6661 263 x 165	6151 266 x 165	6101 268 x 330	5961 350 x 244
Rosemary Red	-	6501	c	-	-	-
Rosemary Russet Mix	-	6701	-	-	-	-
Rosemary Light, Medium Mixed & Blue Brindle	-	6801	-	-	-	-
Rosemary Burnt Blend//Dark Antique/Heather Brindle	-	6601	-	-	-	-
Eaves/Top Tile	6924 215 x 165	As per colour 215 x 165	6664 200 x 165	6154 200 x 165	-	-
Rosemary Red	-	6504	-	-	-	-
Rosemary Russet Mix	-	6704	-	-	-	-
Rosemary Light, Medium Mixed & Blue Brindle	-	6804	-	-	-	-
Rosemary Burnt Blend//Dark Antique/Heather Brindle	-	6604	-	-	-	-
Tile-and-a-half	6929 265 x 248	As per colour 265 x 248	6669 263 x 248	6151 266 x 165	-	5962 350 x 344
Rosemary Red	-	6509	-	-	-	-
Rosemary Russet Mix	-	6709	-	-	-	-
Rosemary Light, Medium Mixed & Blue Brindle	-	6809	-	-	-	-
Rosemary Burnt Blend//Dark Antique/Heather Brindle	-	6609	-	-	-	-
Half Tile	-	-	-	-	6105 268 x 180	-
Left-hand Verge Tile	-	-	-	-	6103 268 x 222	5963 350 x 200
Right-hand Verge Tile	-	-	-	-	6104 268 x 255	-
Left-hand Verge Tile-and-a-Half	-	-	-	-	-	5964 350 x 300

UNDERLAYS	Rosemary Craftsman	Rosemary Classic	Heathland	Plain Tile	DuoPlain	Fontenelle
Spiritech 400 25 Vapour Permeable Underlay	9202 50m x 1.5m	9202 50m x 1.5m	9202 50m x 1.5m	9202 50m x 1.5m	9202 50m x 1.5m	9202 50m x 1.5m

EAVES SYSTEMS	Rosemary Craftsman	Rosemary Classic	Heathland	Plain Tile	DuoPlain	Fontenelle
RedVent EavesVent System for 350-450mm	9189	9189	9189	9189	9189	9189
RedVent EavesVent System for 450-600mm	9190	9190	9190	9190	9190	9190
Extension Tray 350-450mm	9498	9498	9498	9498	9498	9498
Extension Tray 450-600mm	9499	9499	9499	9499	9499	9499
Rapid Eaves Vent 2-in-1-Tray	9988	9988	9988	9988	9988	9988
Rapid Eaves Vent System Rafter Roll	9984	9984	9984	9984	9984	9984
RedVent 25 Over-Fasia Vent Underlay Support Tray	9593 9076	9593 9076	9593 9076	9593 9076	9593 9076	9593 9076

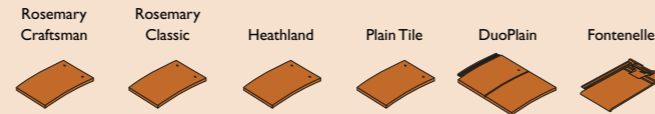
VERGE SYSTEMS	Rosemary Craftsman	Rosemary Classic	Heathland	Plain Tile	DuoPlain	Fontenelle
Ambi-Dry Verge System	-	-	-	-	9660	-
Ambi-Dry Eaves/Ridge System	-	-	-	-	9680	-

HIP SYSTEMS	Rosemary Craftsman	Rosemary Classic	Heathland	Plain Tile	DuoPlain	Fontenelle
Dry Hip System	9047	9047	9047	9047	9534	-
Continuous Hip System	9524	9524	9524	9524	9562	-
Rapid Hip Support Tray	9069	9069	9069	9069	9069	9069
Uni-Vent Rapid Ridge/Hip	9313	9313	9313	9313	9313	9313
Third Round Hip/Ridge Junction	9521	9521	9521	9521	9521	9521
Bonnets	8430	8430	7671	8125	-	-
Arris Hips	-	8411	-	-	-	-
Arris Hips	-	8412	-	-	-	-
Arris Hips	-	8413				

## PRODUCT CODES

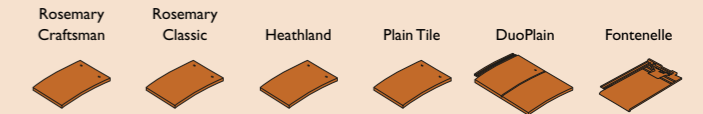
Product codes are given with dimensions below in small text. All dimensions are in mm (unless stated) in the order: length, width and height (where applicable).

For fittings colour range availability refer to table on page 64.



VALLEY SYSTEMS			Rosemary Craftsman	Rosemary Classic	Heathland	Plain Tile	DuoPlain	Fontenelle
	Valley Tiles	35° - 50°	-	-	7672	8133	-	-
		35°	8437	8437	-	-	-	-
		40° - 50°	8437	8437	-	-	-	-
	GRP 125 Valley Dry Valley		9595	9595	9595	9595	9595	9595
			9574	9574	9574	9574	9575	9575
ABUTMENT SYSTEMS								
	Top Edge Abutment Ventilation System		9548	9548	9548	9548	9548	9548
	Wakaflex Rapid Flashing (5m/10m x 280mm) Wakaflex Rapid Flashing (5m x 370mm) Wakaflex Rapid Flashing (5m x 180mm) Wakaflex Rapid Flashing (5m x 560mm) Wakaflex Rapid Flashing (5m x 140mm) Wakaflex Rapid Flashing Strip Wakaflex Rapid Flashing Sealant Wakaflex Rapid Flashing M-Glue		9955/9956	9955/9956	9955/9956	9955/9956	9955/9956	9955/9956
			9957	9957	9957	9957	9957	9957
			9960	9960	9960	9960	9960	9960
			9959	9959	9959	9959	9959	9959
			9953	9953	9953	9953	9953	9953
			9998	9998	9998	9998	9998	9998
			9995	9995	9995	9995	9995	9995
			9929	9929	9929	9929	9929	9929
	Side Abutment GRP Secret Gutter Bonding Gutter – Low Profile Bonding Gutter – High Profile		-	-	-	-	9596	9596
			-	-	-	-	9580	9580
			9578	9578	9578	9578	9578	9578
RIDGE SYSTEMS								
	DryVent Ridge System		9056	9056	9058	9058	9058	9056/9058
	Uni-Vent Rapid Ridge/Hip Continuous Ridge System		-	-	9313	9313	9313	-
			-	-	9302	9302	9302	-
	Ridge Vent Terminal – Clay Ridge Vent Terminal – Concrete		8486 450 x 256 x 180	8486 450 x 256 x 180	7678 450 x 256 x 150	7253 450 x 256 x 150	7402 450 x 256 x 150	8486 450 x 256 x 180
			-	-	-	-	-	8310/7253
	Ridge Vent Terminal Adaptor Flexible Pipe (100 to 100mm)		9175	9175	9175	9175	9175	9175
			9172	9172	9172	9172	9172	9172
	Gas Flue Ridge Terminal Gas Flue Ridge Terminals Extension Adaptor Gas Flue Blanking Plates		-	-	-	7241 450 x 256 x 176	-	-
			-	-	-	9143	-	-
			-	-	-	9099	-	-
	Half Round Ridge – Clay Half Round Ridge – Concrete		8450 300 x 256 x 128	8450 300 x 256 x 128	-	-	-	8450 300 x 256 x 128
			-	-	7690 450 x 256 x 98	8101 450 x 256 x 98	8201 450 x 256 x 98	8302/8101 450 x 256 x 98
	Half Round Block-End Ridge		-	-	-	-	7409 450 x 256 x 98	-
	Half Round Ridge End Caps		-	-	-	-	9772	-
	DryVent Monoridge System		-	-	9084	9084	9084	-
	Half Round Monoridge		-	-	7683 450 x 154 x 273	7203 450 x 154 x 273	7403 450 x 154 x 273	-
	Block-End Monoridge (left/right-hand)		-	-	-	-	-	-

## PRODUCT CODES



VENTILATION TILES		Rosemary Craftsman	Rosemary Classic	Heathland	Plain Tile	DuoPlain	Fontenelle
	Plain Tile RedLine Vent with Underlay Seal RedLine Vent Adaptor Flexible Pipe (100 to 100mm)	9119	9119	9119	9119	9113	-
		9175	9175	9175	9175	-	-
		9172	9172	9172	9172	9172	9172
	4.5k ThruVent Tile with Underlay Seal ThruVent Flexible Pipe (75 to 100mm) Rapid Roof Vent Flexible Pipe	-	-	-	7347	-	7840
		-	-	-	9188	-	9188
		-	-	-	9172	-	-
	Rapid Roof Vent Tile Rapid Roof Vent Adaptor	-	-	-	9128	-	-
		-	-	-	9175	-	-
INTERNAL AND EXTERNAL VERTICAL ANGLES							
	External Angle 90° (left/right-hand)	8441/8440 165 x 83	8441/8440 165 x 83	7673/7674 165 x 83	8134/8135 165 x 83	-	-
	Internal Angle 90° (left/right-hand)	8443/8442 164 x 92	8443/8442 164 x 92	-	-	-	-
	External Angle 135° (left/right-hand)	-	-	-	7142/7143	-	-
FIXING							
	Innofix Clips	-	-	-	-	9825	-
	Tile Nail (Alum. Alloy)	9331 40 x 2.65	9331 40 x 2.65	9331 40 x 2.65	9331 40 x 2.65	9334 45 x 3	-
	Tile Nail (Stainless Steel)	-	-	-	-	9350 45 x 3.35	9638 55 x 2.65
	Top Tile Clip Kro-Clip	-	-	9282	9282	-	-
		9142	9142	9142	9142	9142	9142
BEDDED HIP AND RIDGE MECHANICAL FIXING							
	Mortar Bedded Fixing Kit	9314	9314	9314	9314	9314	9314
OTHER ACCESSORIES							
	Rapid Roof Putty Rapid Roof Paint	-	-	9155	9155	9155	-
		-	-	-	9232	9232	-

## PERFORMANCE AND APPEARANCE

### Authority

All concrete tiles conform to BS EN 490:2011: Concrete roofing tiles and fittings for roof covering and wall cladding – Product specifications. All clay tiles conform to BS EN 1304:2013: Clay roofing tiles and fittings – Product definitions and specifications.

### Sustainability

As members of the RoofTile Association, data supplied for our concrete and clay roof tiles enabled the BRE Green Guide to Specification to award the highest A+ rating for generic concrete and A+ rating for generic clay tiles.

### Guarantees

All of our products are designed and tested to work together. So when specified by Redland as part of a HouseBuilder or SpecMaster project not only is every product guaranteed weathertight, all the junctions between them are similarly guaranteed under the terms and conditions of the relevant guarantee. Redland offers either 10 or 15 year guarantees depending upon the project specification including the products chosen as well as the nature of the project.



If any Redland product fails during the guarantee period, we will not only replace it, we will also pay for the cost of labour and associated materials. Please consult Redland Technical Solutions for more information.

Besides guaranteeing the tiles, this guarantee includes all our fittings and accessories. A complete Redland roof is a completely guaranteed roof. [www.redland.co.uk/specmaster](http://www.redland.co.uk/specmaster)

### Composition and Manufacture

Concrete tiles are manufactured by a high-pressure extrusion and compaction process. Rosemary clay plain tiles are extruded; Fontenelle tiles are pressed.

### Performance

All tiles have been rigorously tested in our wind tunnel where combinations of high wind and driving rain are used to determine the products' performance with respect to wind loading and weathertightness. Tiles will meet the requirements of BS 5534:2014: Code of practice for slating and tiling, providing our fixing recommendations are complied with.

The information contained in this Guide relating to DuoPlain and Fontenelle is based on a maximum rafter length of 10 metres at the minimum pitch relevant for the product. For rafter lengths greater than this, telephone technical solutions on 03708 702595 for advice.

The minimum pitch and maximum rafter length may be affected by roof features such as valleys, dormers, roof windows and chimneys. For advice on the inclusion of such features in a roof slope contact Technical Solutions.

### Movement

Designed vertical and horizontal laying tolerances will accommodate normal thermal and other movements.

### Fire Resistance

All tiles are non-combustible and are classified S.A.A. when tested for fire protection and spread of flame to BS 476-3:2004: Fire tests on building materials and structures. There are no restrictions on their use under the Building Regulations.

### Strength and Durability

Tiles do not delaminate and despite having high strength properties, are easy to cut. All Redland clay and concrete tiles exceed the minimum strength requirements as laid down in BS EN 1304 or BS EN 490 respectively.

### Environmental Effects

Frost: unaffected by frost action.

Heat: unaffected by temperature extremes.

Sunlight: unaffected by prolonged exposure to ultraviolet light and sunlight.

Atmospheric pollution: suitable for all rural, marine and normal industrial environments. Resistant to all but the most highly polluted atmospheres, where sulphur dioxide levels exceed 70 microgrammes/m<sup>3</sup> of air.

### Biological Effects

Birds and rodents: tiles are not attacked, or degraded by birds, rodents or insects.

Mosses and lichens: tile durability is not affected by the growth of lichens and mosses. However, the removal of growths may be necessary when the flow of rainwater off the roof is impeded and valleys, gutters or downpipes become blocked.

### Health & Safety

Material Safety Data Sheets covering properties, storage and safe use of our products are available for download from our website [www.redland.co.uk](http://www.redland.co.uk). When cutting tiles using an angle grinder which generates large concentrations of dust, the measures defined in the Health and Safety Executive, Guidance Note EH 40 must be followed.

### Appearance

Under normal production conditions colour variation may occur in tiles and fittings. Natural weathering may also cause changes in colour and appearance. In both cases this is acceptable under BS EN 490. Scratches and abrasions caused by packing, loading and transportation are also permissible as long as the overall tile quality is not affected.

Efflorescence, which is a surface phenomenon associated with concrete products, may result in a temporary lightening of the surface colour. This will be removed by weathering. For the best visual effect on the roof, tiles must be selected randomly from a minimum of three different pallets. When laying tiles in prominent areas it is advisable to ensure that there are sufficient stocks of mixed tiles available to complete the elevation.

### Fixing Specification

For information on how to obtain recommended fixing specifications, go to [www.redland.co.uk/fixmaster](http://www.redland.co.uk/fixmaster)

All mortar bedded hips and ridges must be mechanically fixed.

### General Guidance

#### Special Notes on laying Plain Tiles

- At eaves, use double courses with purpose made Eaves/Top Tiles for the undercourse.
- At verges and abutments to maintain broken (1/2) bond, use Standard Plain Tiles and Tile-and-a-Halves in alternate courses.
- Adjacent to hips, valleys and angles use Tile-and-a-Halves.
- At side abutments, allow for stepped flashing and soakers.
- At top courses use double courses with purpose made Eaves/Top Tiles for the top course.
- For Winchester Cuts use two Tile-and-a-Halves per course. Winchester Cut detail must not be used to abut roof pitches below 40° or in exposed locations. In these cases soldier or double soldier courses must be used.
- For Heathland and concrete Plain Tiles secure top course with Top Tile Clips with Continuous Ridge System, Uni-Vent Rapid Ridge, mortar bedded ridges and top edge abutments. For Heathland and concrete Plain Tiles with DryVent Ridge secure top course using one Kro-Clip per tile.

#### Special Notes on laying DuoPlain

- All tiles must be laid broken bond with a three-quarter tile offset, normally from right to left. On gable-to-gable roofs try and lay out the tiles so that the eaves course starts with a Standard Tile and finishes with a LH Verge (three quarter) Tile.
- At right-hand verges use Standard Tiles and RH Verge (three quarter) tiles in alternate courses.
- At left-hand verges use Standard Tiles with interlocks removed and LH Verge (Three Quarter) Tiles in alternate courses. If it is not possible to end the eaves course in this way, cut verge tiles of the required length from Standard Tiles.
- Do not use any cut pieces of tile smaller than a LH Verge (Three Quarter) Tile.
- At hips and valleys ensure raking cut tiles are cut from Standard Tiles, Half Tiles may be required elsewhere in the course, often the penultimate tile in the course, to ensure this occurs.
- At side abutments, allow for cover flashing and secret gutter.

### Timber Sarking

Roofing practice in Scotland includes the use of timber sarking and counterbattens. Insulation board is also widely used as rigid sarking throughout the UK. The presence of sarking board in either of these forms will affect many of our standard details. It must be noted that the combined thickness of the sarking and counterbatten chosen may alter details slightly. For insulation board, advice on the size and fixing of the counterbattens should be obtained from the specific insulation manufacturer.

Where standards are referenced, compliance is always with the latest version. Drawings shown are diagrammatic and should not be scaled. Refer to CAD drawings in DesignMaster CAD library for specific dimensions. The limitations of printing may mean a slight variation in colour. Please refer to a sample tile for best colour reference. We are committed to continually enhancing and improving our product range. We reserve the right to change product specifications. For the latest information please contact customer service.

Project photographs should not be used as a guide to installation.

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