

SLATE RANGE





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 36 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.

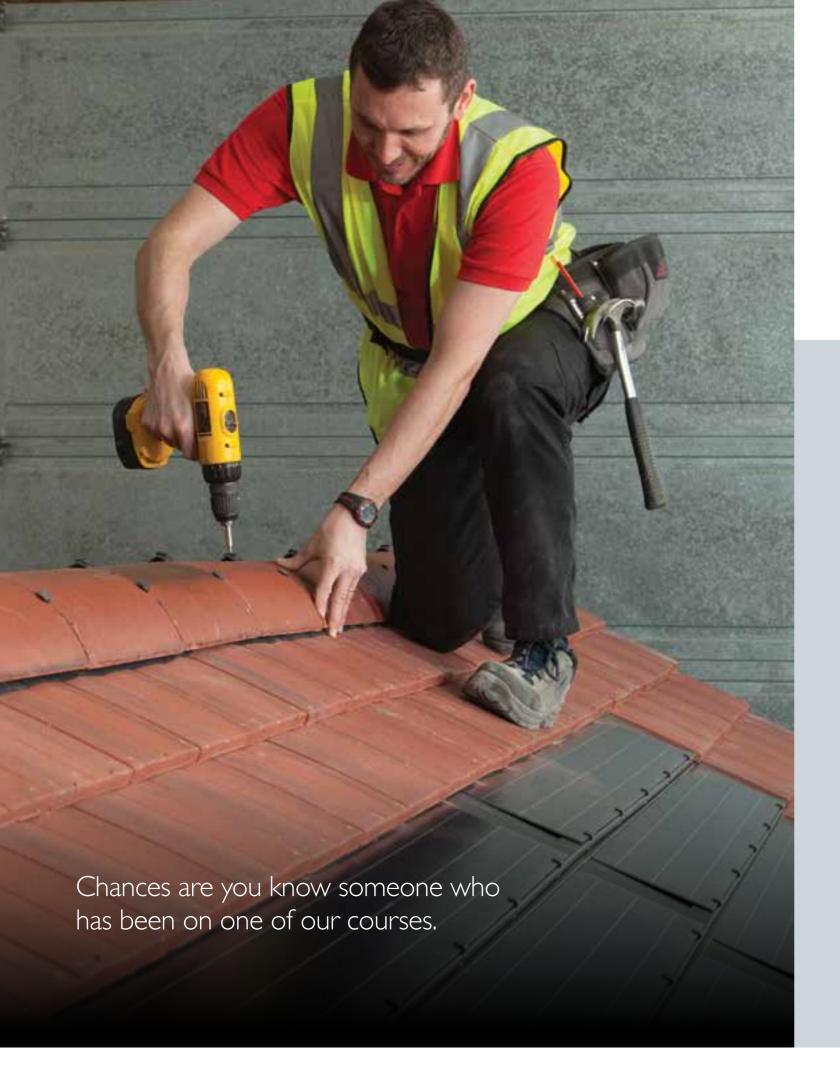
Redland draws on the expertise and experience gathered from nearly 100 years as an industry leader. Our range of tiles, slates, renewable energy systems, fittings and accessories, combined with market-leading technical support services, enable us to deliver total pitched roofing solutions you can rely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



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For further information on Redland: Visit **www.redland.co.uk** or telephone our Customer Service Hotline on 03705 601000





INDUSTRY SUPPORT AND TRAINING

REDLAND TECHNICAL SOLUTIONS SERVICE

SpecMaster is a free guaranteed roof specification service 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 guarantee.

REDLAND TECHNICAL SOLUTIONS HOTLINE

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

Redland has a purpose-built national Training & Resource Centre at South Cerney in Gloucestershire where Redland personnel, customers, suppliers and specifiers regularly undertake in-depth classroom and practical training. Since it was established in 1983, more than 40,000 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



(爰)**Quant**Master

Redland's bespoke roof materials quantity estimating service



(CAD) **Design**Master

Comprehensive CAD library of over 4,000 quality roofing drawings



ViewMaster

enables you to 'try before you buy'



(K) FixMaster

Fixing specification service tailored to each customer's needs



EcoMaster

Guaranteed specification service for projects using renewable energy systems

Visit www.redland.co.uk/services for further information on these services



SLATE RANGE

The slate range delivers the simple beauty of a slated roof with precision manufacturing that ensures a durable and weathertight construction.



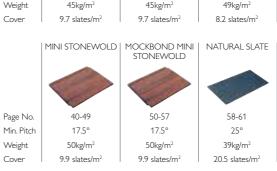
Abundant and durable, slate was for centuries the signature roofing material of Wales, the South West, the North West and Scotland. Only with the arrival of the railways in the nineteenth century did it spread across the rest of the country to satisfy the insatiable demand from Britain's newly industrialised cities.

Today, Redland's extensive slate and slate appearance tile range allows specifiers to preserve those regional traditions while creating roofs that are even stronger and more durable than the originals they are replacing.





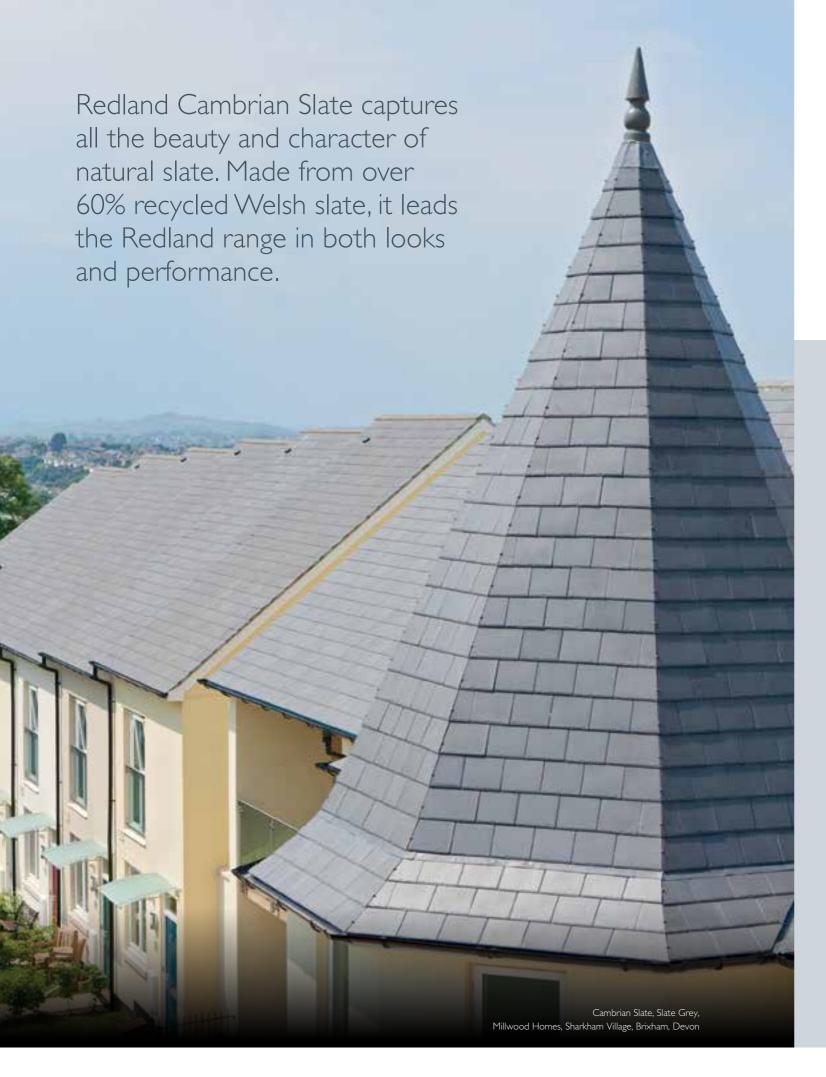




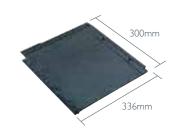
The slate range is priced according to colour and surface finish; slates are designated as Traditional, Heritage, Premier and Premier Plus. Note that this classification does not apply to natural slate.



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CAMBRIAN SLATE

Cambrian Slate has a proven track record even on pitches as low as 15° and, while light in weight, its unique three-point fixing makes it suitable for even the most exposed sites.

TECHNICAL DATA

Size (overall)	300 × 336mm
Minimum Pitch and Headlap	15° at 75mm headlap / 25° at 50mm headlap
(The minimum pitch is based on a maximum rafter please contact the Technical Solutions Hotline on C	r length of 10 metres. For rafter lengths greater than this, 03708 702595)
Maximum Pitch (subject to fire resistance red	quirements above 69°) 90°
Minimum Headlap	50mm
Maximum Headlap	90mm
Minimum Gauge/Batten Spacing	210mm
Maximum Gauge/Batten Spacing	below 25° 225mm / 25° and over 250mm
Hanging Length (approx)	294mm
Cover (all figures are net and do not allow for v	vastage)
Linear cover of 1 slate	300mm
Covering capacity at max gauge	13.3 slates/m ²
Weight (at max. gauge approx.)*	17kg/m²
per pallet, including pallet (approx.)	0.76 tonnes
per 1000	1.24 tonnes
Battens Required (at max. gauge)	4.0m/m ²
Batten Size	
Rafter centres up to 450mm	38 × 25mm
Rafter centres up to 600mm	50 x 25mm
Fixing Clips	Eaves, Verge & Slate Clips
Nail Size for Slates#	30 × 2.65mm (S/S)
Pallet Ouantities Slates per palle	et 600 / Slates per pack 10 / Packs per pallet 60

*All weights nominal #(S/S) Stainless Steel Annular ring shanked



KEY ADVANTAGES

- Interlocking, reconstituted slate
- Riven surface and dressed edges
- Weathers like natural slate
- Four classic colours and finishes
- 60-year guarantee

FITTINGS & ACCESSORIES

Hip	Universal Angle Hip
	Dry Hip
	Rapid Hip
	Mitred Hip
Valley	Cambrian GRP Valley
	Dry Valle _y
Ridge	Universal Angle Ridge
	Universal Angle Monoridge
Ventilation Systems	RedVent EavesVent

on systems

RedVent EavesVent
RedVent 25 Over-Fascia Vent
Rapid EavesVent
Top Edge Abutment Ventilation
DryVent Ridge
Rapid Vented Ridge
Uni-Vent Rapid Ridge/Hip
DryVent Monoridge
4.5k ThruVent Tile

Ambi-Dry Verge

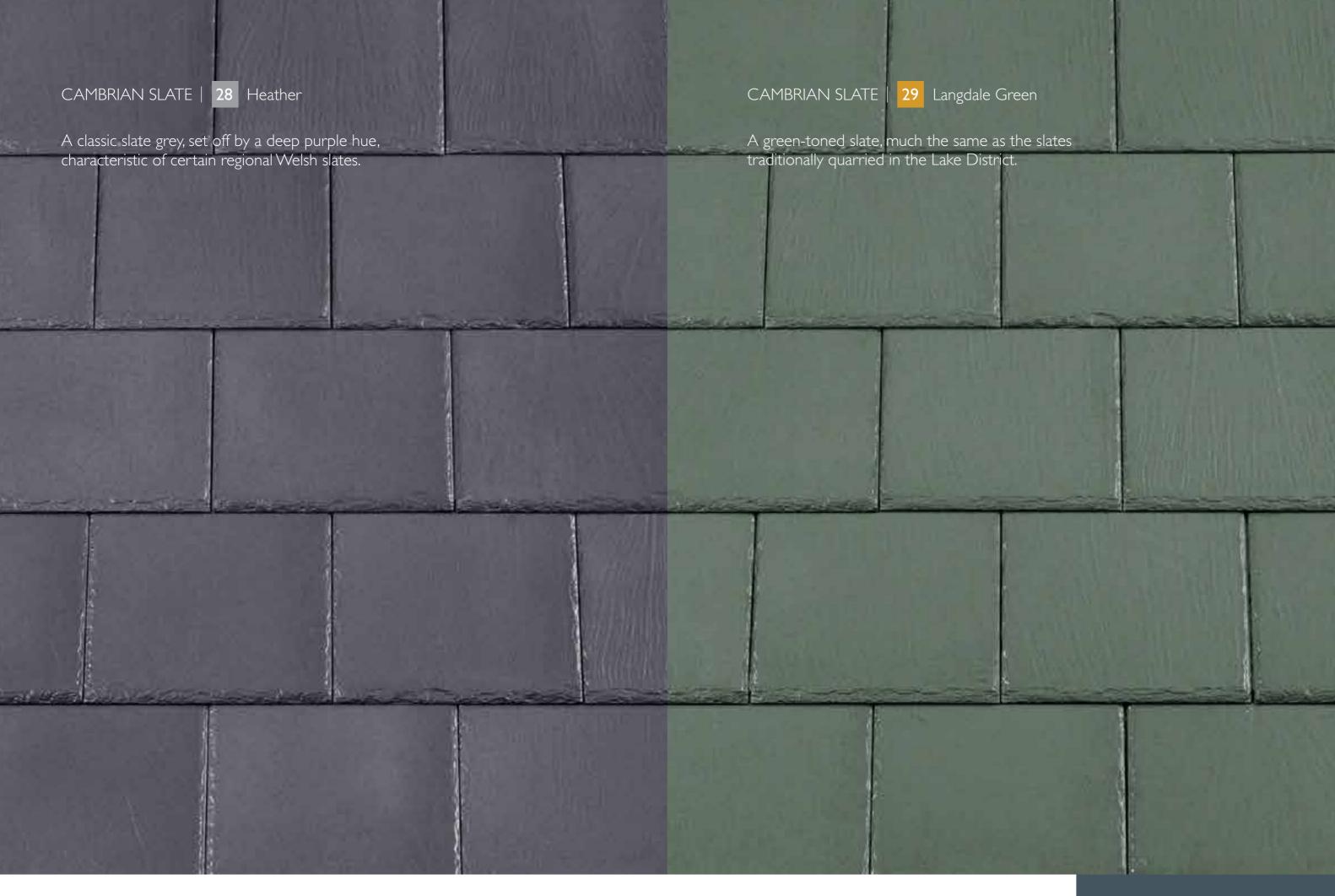
ORNAMENTAL RIDGES AND FINIALS

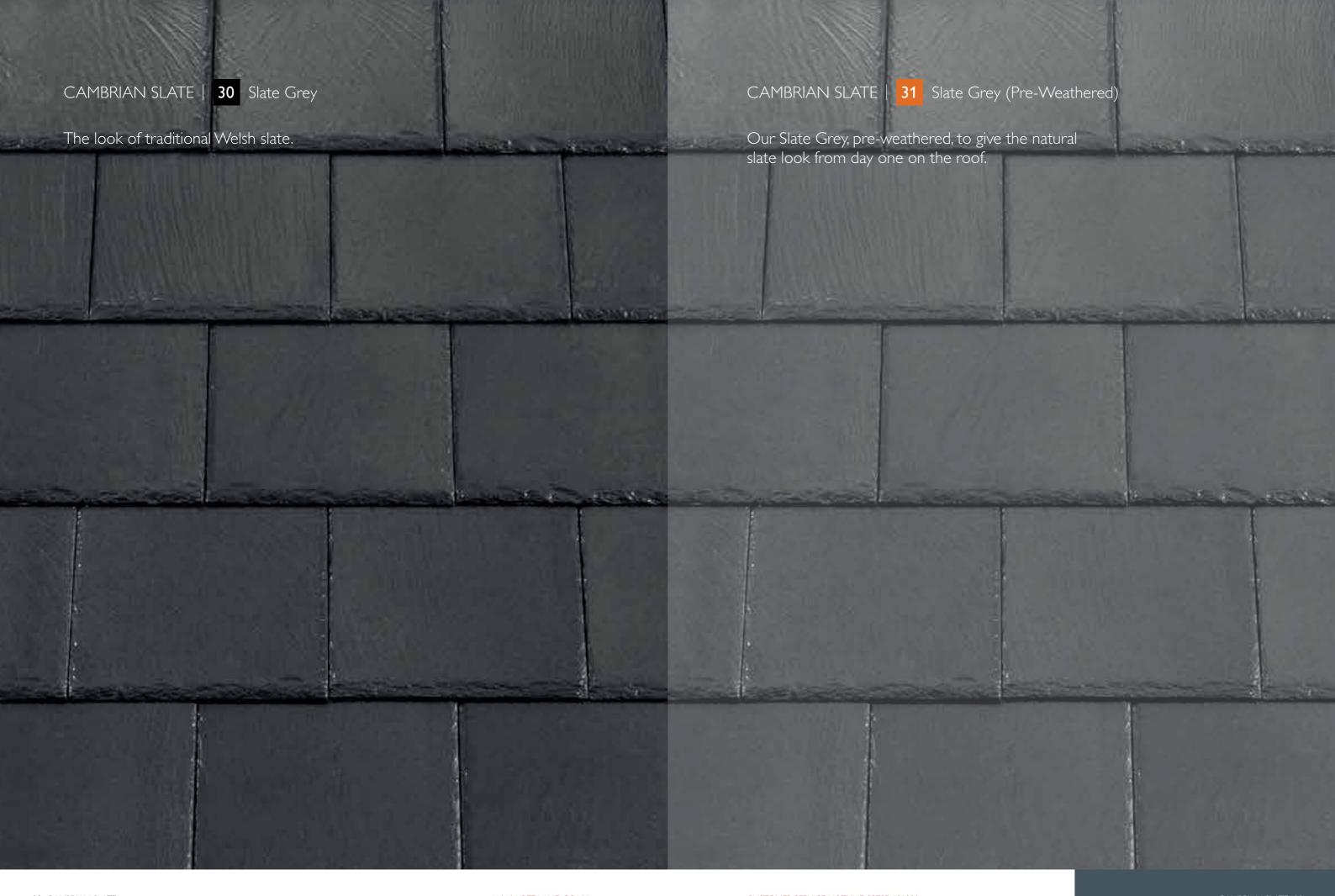
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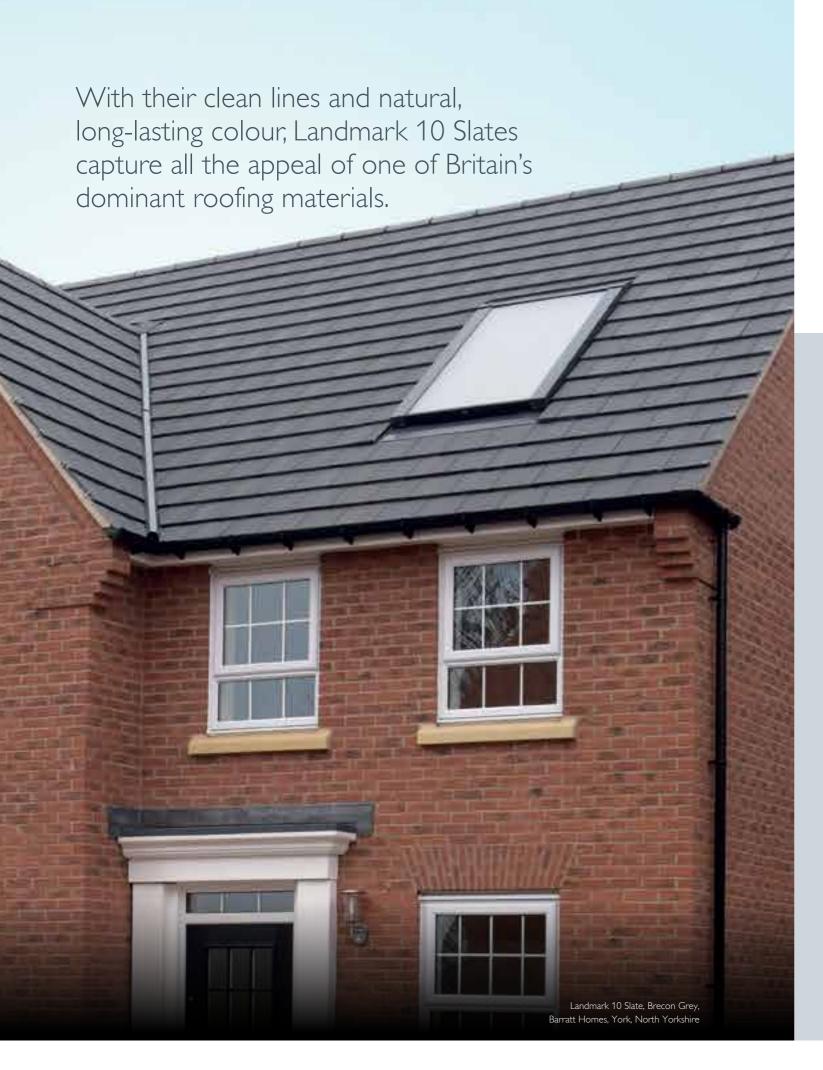




6 CAMBRIAN SLATE CUSTOMER SERVICE HOTLINE: 03705 601000 CAMBRIAN SLATE 7









LANDMARK 10 SLATE

Each tile incorporates subtle colour differences to replicate the variations typical of natural slate while offering low minimum pitch for maximum flexibility and performance.

330mm 418mm

KEY ADVANTAGES

- Redland ColourFusion™ process ensures tiles keep their colour over long periods
- Thin leading edge, low profile tile with hidden interlock

TECHNICAL DATA

Size (overall)	418 × 330mm	
Minimum Pitch and Headlap	17.5° at 100mm headlap / 22.5° at 75mm headlap	
(The minimum pitch is based on a maximum rafter length of 10 metres. For rafter lengths greater than this, please contact the Technical Solutions Hotline on 03708 702595)		
Maximum Pitch (subject to fixing speci	ification) 90°	
Minimum Headlap	75mm	
Maximum Headlap	125mm	
Minimum Gauge/Batten Spacing	293mm	
Maximum Gauge/Batten Spacing	below 22.5° 318mm / 22.5° and over 343mm	
Hanging Length (approx.)	395mm	
Cover (all figures are net and do not allow	w for wastage)	
Linear cover of 1 slate	300mm	
Covering capacity at max gauge	9.7 slates/m ²	
Weight (at max. gauge approx.)*	46kg/m²	
per pallet, including pallet (approx.)	1.00 tonnes	
per 1000	4.7 tonnes	
Battens Required (at max. gauge)	2.92mm ²	
Batten Size		
Rafter centres up to 450mm	38 × 25mm	
Rafter centres up to 600mm	50 × 25mm	
Fixing Clips	Eaves, Verge & Slate Clips	
Nail Size for Slates#	45 x 3mm (A/A) 45 x 3.35mm (S/S)	
Pallet Quantities Slates pe	er pallet 210 / Slates per pack 35 / Packs per pallet 6	
*All weights nominal #(\$/\$) Stainless Steel 4	Appular ring shapked (A/A) Aluminium Allov	

^{*}All weights nominal #(S/S) Stainless Steel Annular ring shanked (A/A) Aluminium Alloy

FITTINGS & ACCESSORIES

7C1 6C	Di y vei ge
Hip	Universal Angle Hip
	Dry Hip
	Rapid Hip
Valley	125 GRP Valley
	Dry Valley
Ridge	Universal Angle Ridge
	Universal Angle Monoridge

Ventilation System

RedVent EavesVent
RedVent 25 Over-Fascia Vent
Rapid EavesVent
Top Edge Abutment Ventilation
DryVent Ridge
Rapid Vented Ridge
Uni-Vent Rapid Ridge/Hip
DryVent Monoridge
RedLine Ventilation Tile
8.8k ThruVent Tile

ORNAMENTAL RIDGES AND FINIALS

Please refer to page 63.



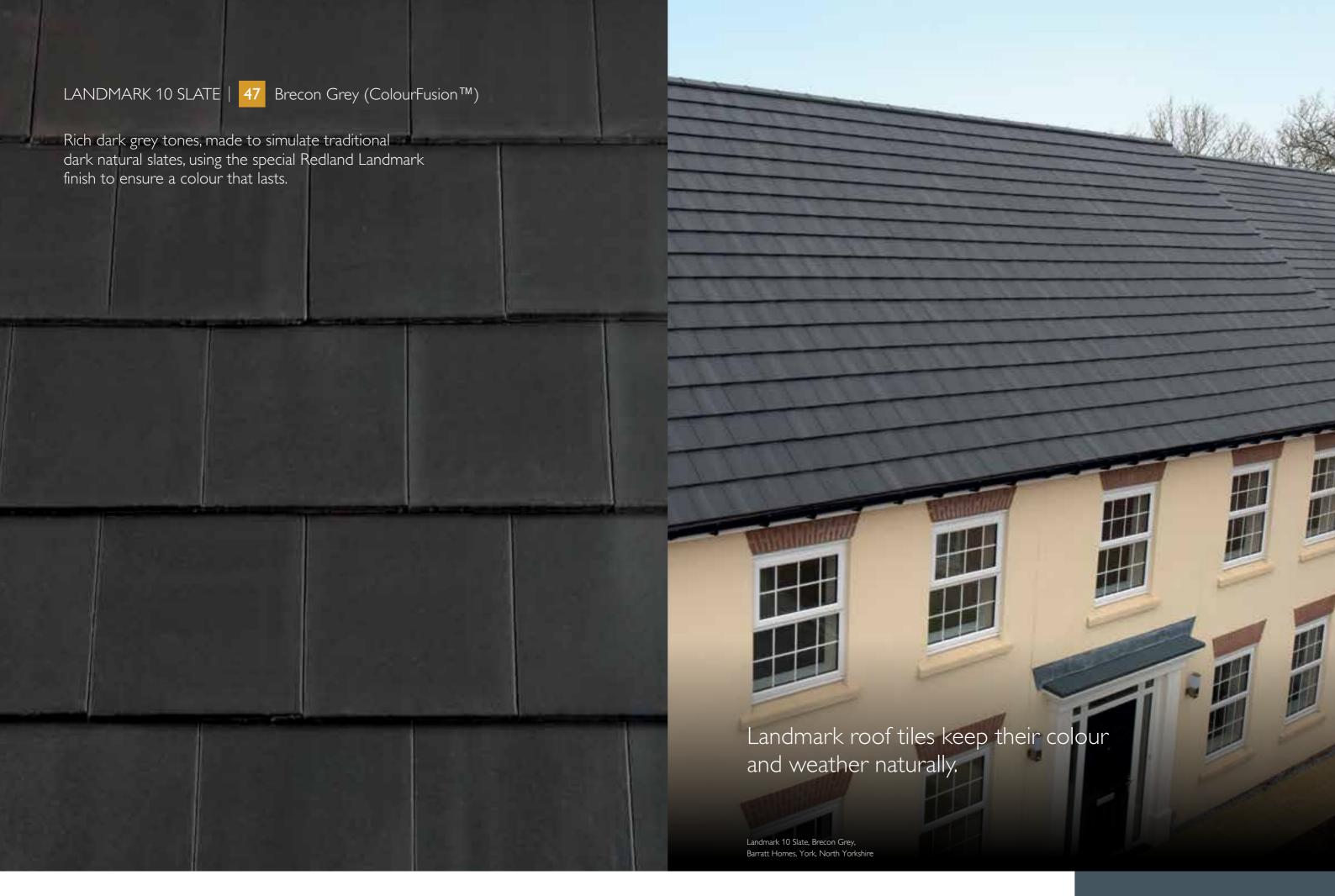


COLOURS

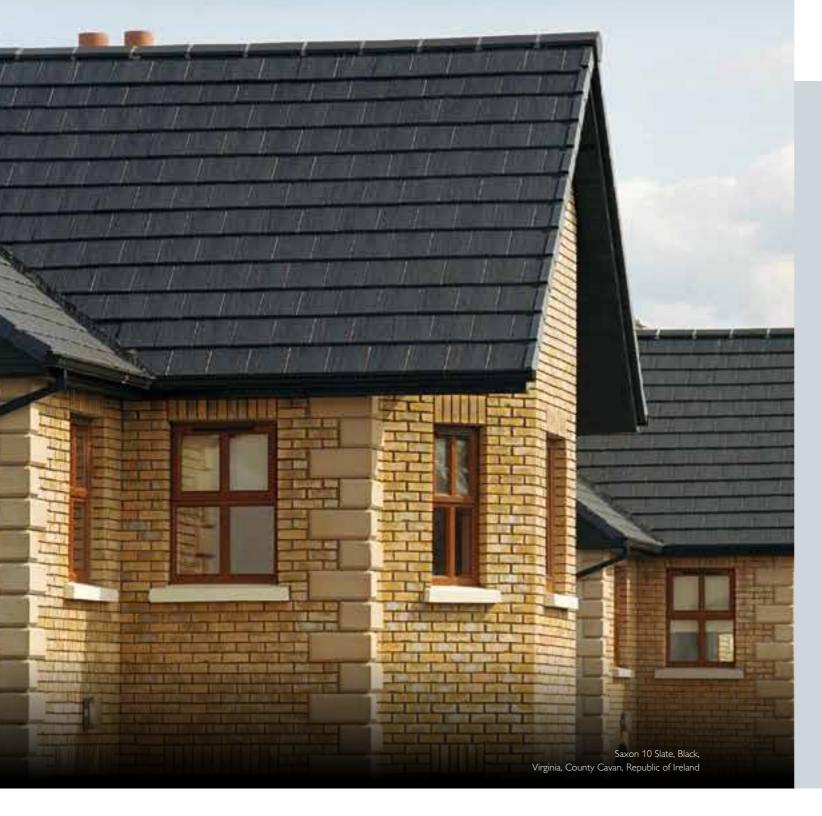


47 Brecon Grey (ColourFusion™)

12 LANDMARK 10 SLATE CUSTOMER SERVICE HOTLINE: 03705 601000 LANDMARK 10 SLATE 13



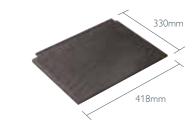






SAXON 10 SLATE

With minimum pitches as low as 17.5° design flexibility is maximised, while the strong colours produce roofs of quality and distinction.



KEY ADVANTAGES

- Riven surface, chamfered side edges
- Thin front edge replicates features of natural products

TECHNICAL DATA

Size (overall)	418 × 330mm
	° at 100mm headlap / 22.5° at 75mm headlap length of 10 metres. For rafter lengths greater than this,
Maximum Pitch (subject to fixing specification	
Minimum Headlap	75mm
<u> </u>	, 5111111
Maximum Headlap	125mm
Minimum Gauge/Batten Spacing	293mm
Maximum Gauge/Batten Spacing	below 22.5° 318mm / 22.5° and over 343mm
Hanging Length (approx.)	395mm
Cover (all figures are net and do not allow for w	- · · · · · · · · · · · · · · · · · · ·
linear cover of 1 slate	300mm
Covering capacity at max gauge	9.7 slates/m ²
Veight (at max. gauge approx.)*	45kg/m ²
per pallet, including pallet (approx.)	0.98 tonnes
per 1000	4.60 tonnes
Battens Required (at max. gauge)	2.92m/m ²
Batten Size	
Rafter centres up to 450mm	38 x 25mm
Rafter centres up to 600mm	50 × 25mm
Fixing Clips	Eaves, Verge & Slate Clips
Nail Size for Slates#	45 x 3mm (A/A) 45 x 3.35mm (S/S)
Pallet Quantities Slates per pall	et 210 / Slates per pack 35 / Packs per pallet 6

^{*}All weights nominal #(S/S) Stainless Steel Annular ring shanked (A/A) Aluminium Alloy

FITTINGS & ACCESSORIES

Hip	Universal Angle Hip Dry Hip Rapid Hip
Valley	125 GRP Valley Dry Valley
Ridge	Universal Angle Ridge Universal Angle Monoridge
Ventilation Systems	RedVent EavesVent

DryVent Ridge DryVent Monoridge RedLine Ventilation Tile

ORNAMENTAL RIDGES AND FINIALS

Please refer to page 63.





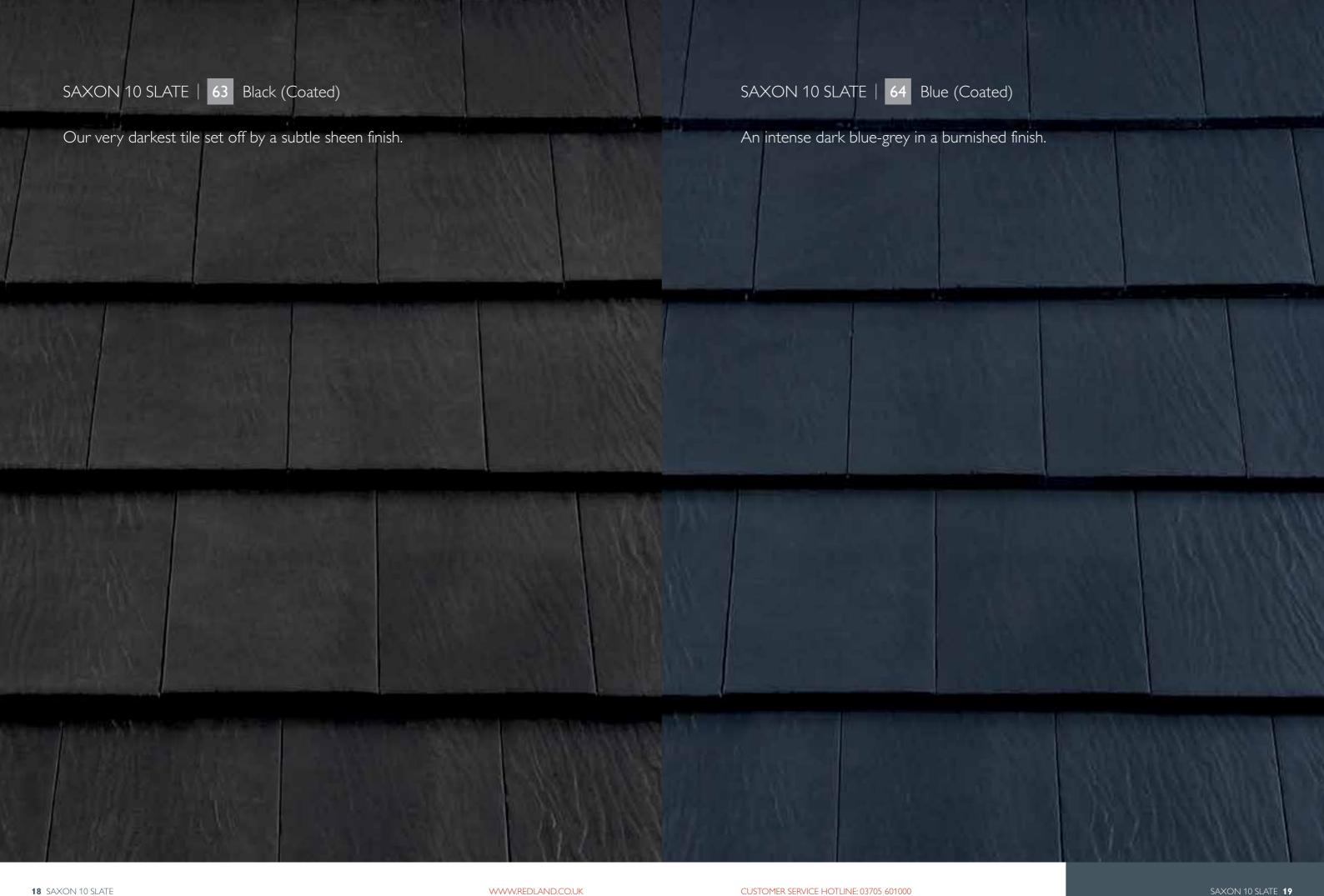
COLOURS

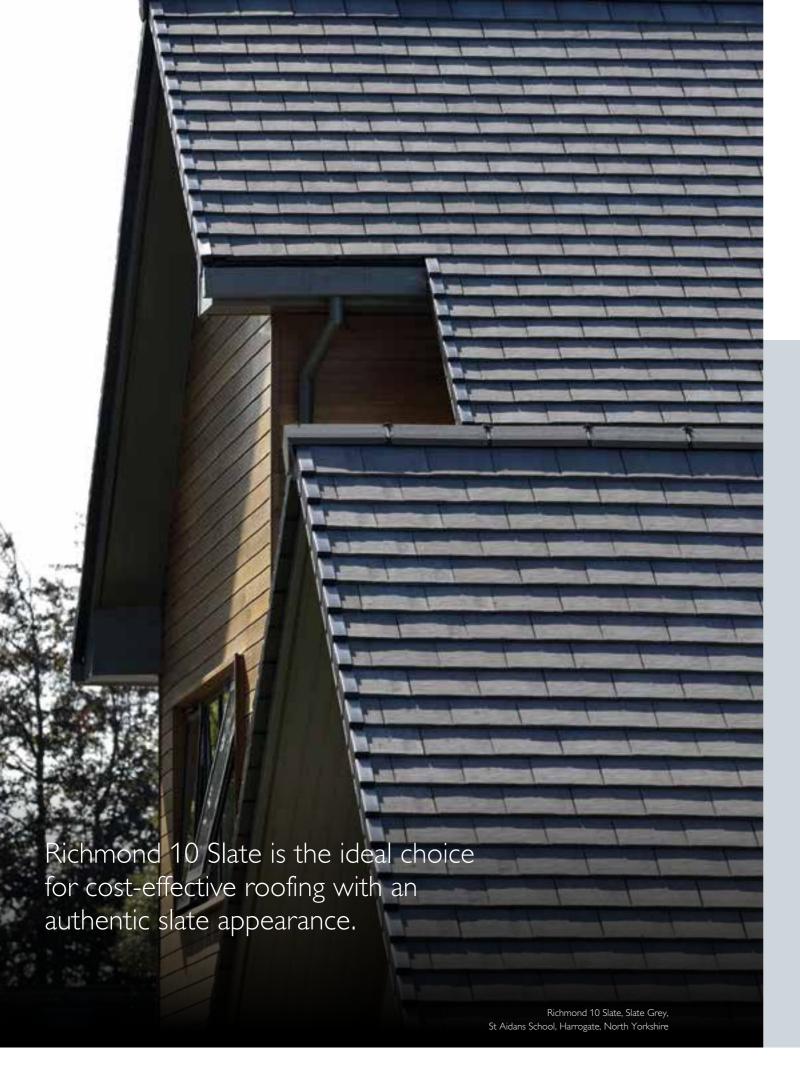


63 Black

64 Blue

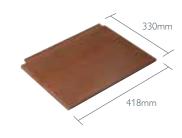
SAXON 10 SLATE 17 16 SAXON 10 SLATE WWW.REDLAND.CO.UK CUSTOMER SERVICE HOTLINE: 03705 601000







TECHNICAL DATA



RICHMOND 10 SLATE

Its unique design offers a thin leading edge and hidden interlock with no compromise in strength, durability and weathertightness.

Size (overall)	418 × 330mr
Minimum Pitch and Headlap 17.5° at 10	00mm headlap / 22.5° at 75mm headla
(The minimum pitch is based on a maximum rafter length o please contact the Technical Solutions Hotline on 03708 702	
Maximum Pitch (subject to fixing specification)	90
Minimum Headlap	75mr
Maximum Headlap	125m
Minimum Gauge/Batten Spacing	293mi
Maximum Gauge/Batten Spacing below	22.5° 318mm / 22.5° and over 343mm
Hanging Length (approx.)	395mi
Cover (all figures are net and do not allow for wastage)	
Linear cover of 1 slate	300mi
Covering capacity at max gauge	9.7 slates/n
Weight (at max. gauge approx.)*	45kg/n
per pallet, including pallet (approx.)	1.02 tonne
per 1000	4.60 tonne
Battens Required (at max. gauge)	2.92m/n
Batten Size	
Rafter centres up to 450mm	38 × 25m
Rafter centres up to 600mm	50 × 25m
Fixing Clips	Eaves, Verge & Slate Clip
Nail Size for Slates#	45 x 3mm (A/A) 45 x 3.35mm (S/5
Pallet Quantities Slates per pallet 210	/ Slates per pack 35 / Packs per pallet

COLOURS



*All weights nominal #(S/S) Stainless Steel Annular ring shanked (A/A) Aluminium Alloy

KEY ADVANTAGES

- Clean, bold roof aesthetics
- Value roofing solution with no trade-off in quality
- For pitches as low as 17.5°

FITTINGS & ACCESSORIES

Verge	Dry Verg
Нір	Universal Angle Hij Dry Hij Rapid Hij
Valley	125 GRP Valle Dry Valle
Ridge	Universal Angle Ridg Universal Angle Monoridg
Ventilation Systems	RedVent EavesVen RedVent 25 Over-Fascia Ven

RedVent EavesVent
RedVent 25 Over-Fascia Vent
Rapid EavesVent
Top Edge Abutment Ventilation
DryVent Ridge
Rapid Vented Ridge
Uni-Vent Rapid Ridge/Hip
DryVent Monoridge
RedLine Ventilation Tile
8.8k ThruVent Tile

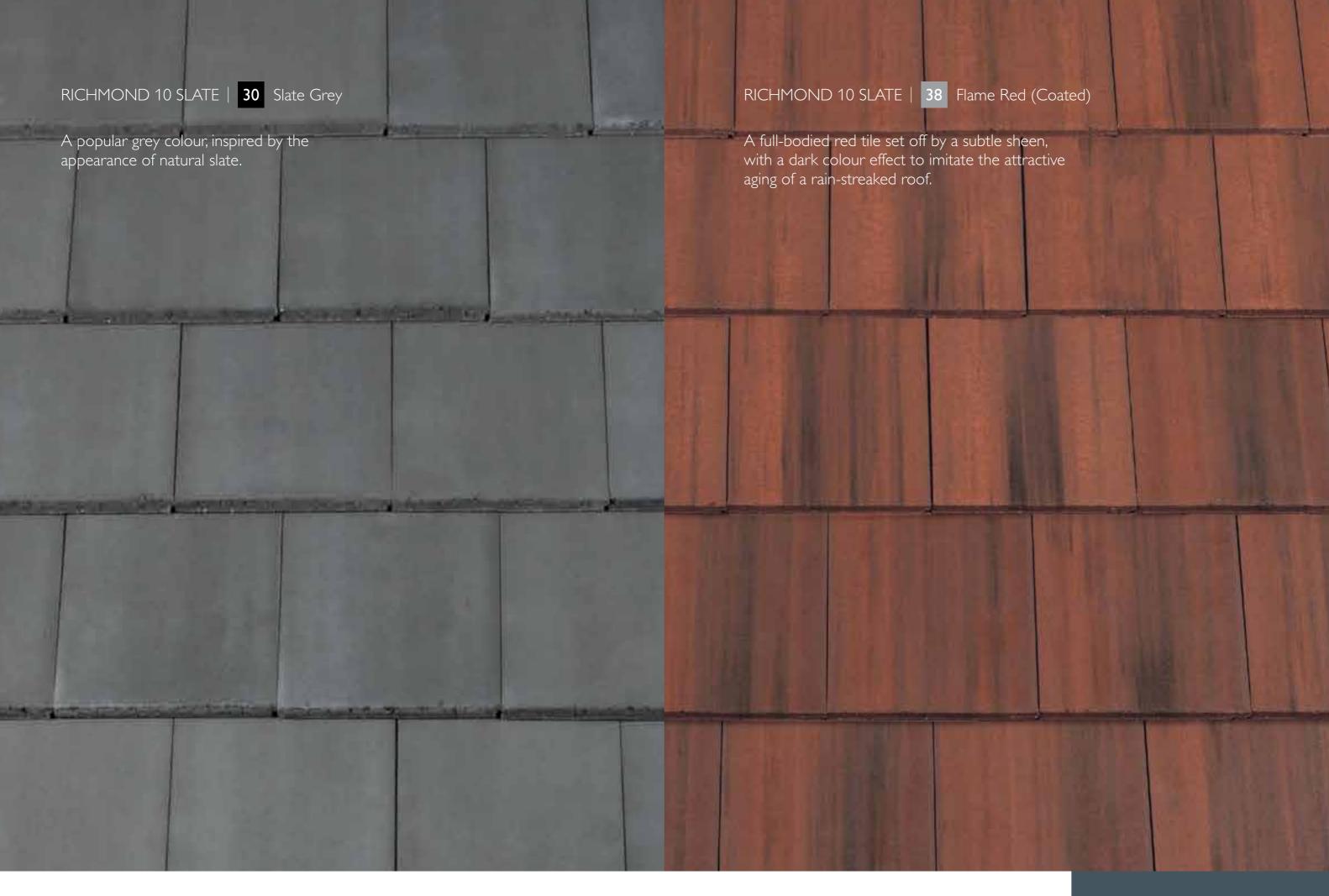
ORNAMENTAL RIDGES AND FINIALS

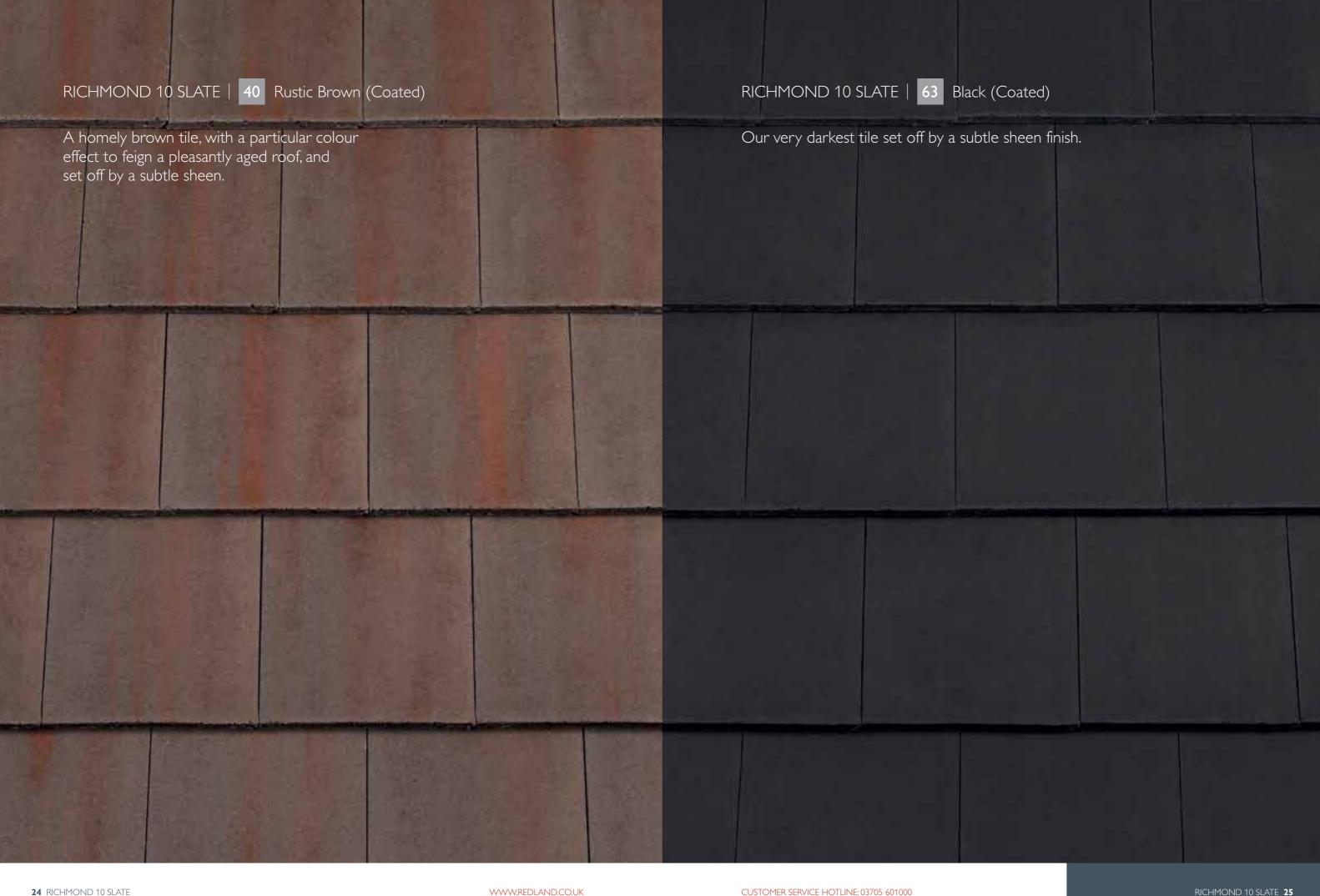
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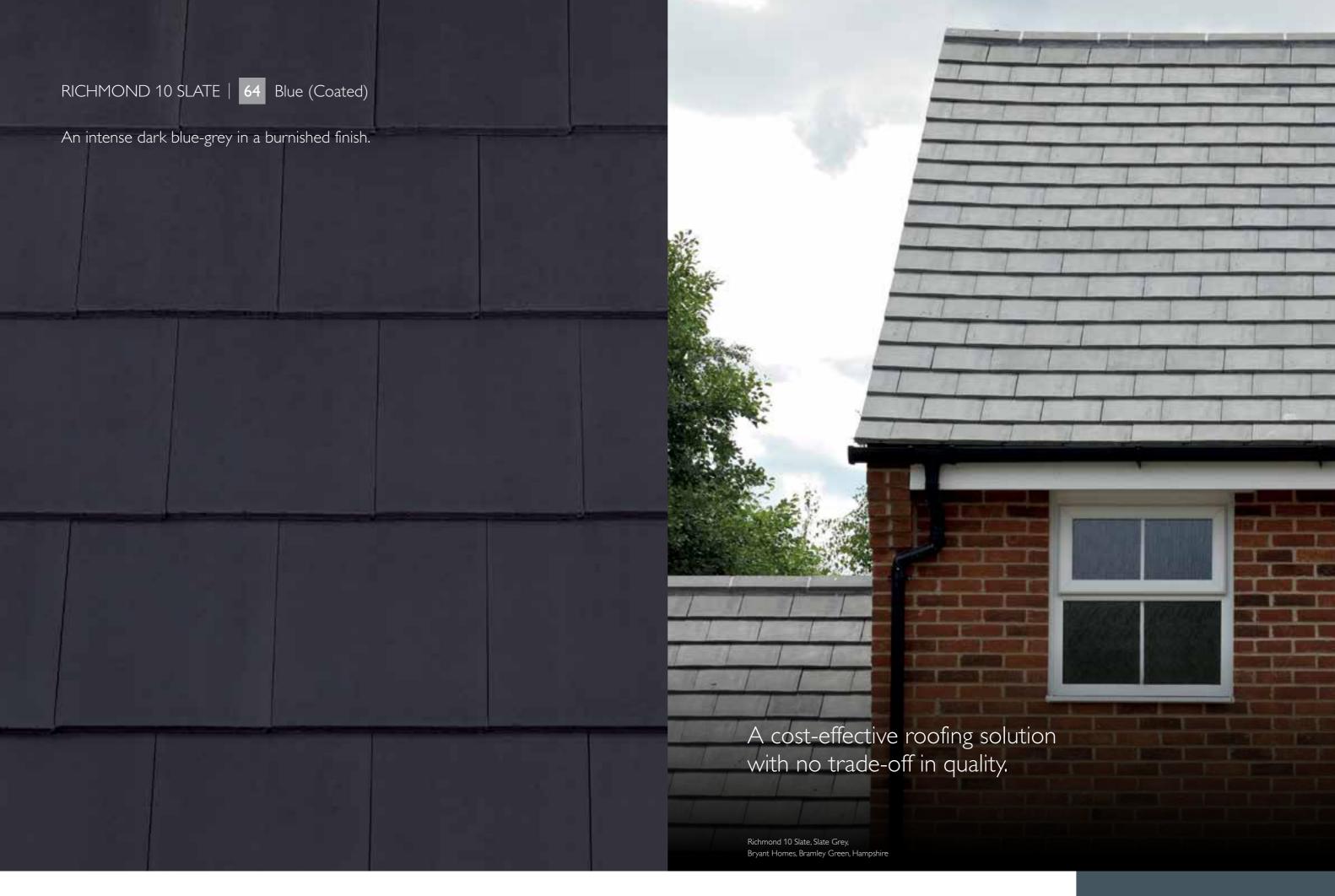


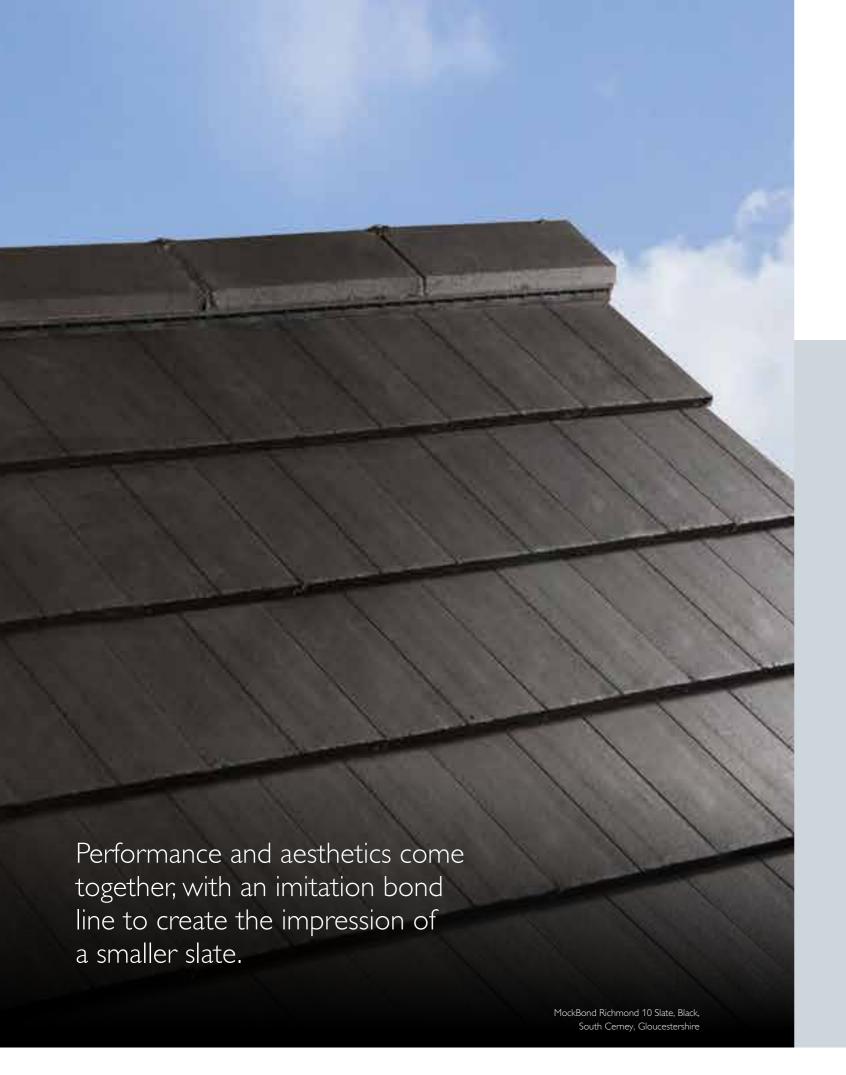


20 RICHMOND 10 SLATE CUSTOMER SERVICE HOTLINE: 03705 601000 RICHMOND 10 SLATE 21

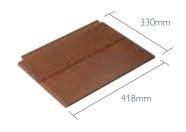












MOCKBOND RICHMOND 10 SLATE

Lower minimum pitches and small slate appearance make this one of the most versatile roofing tiles you can specify.

KEY ADVANTAGES

- Small slate appearance, but with speed and ease of larger format installation
- Low minimum pitch adds versatility

TECHNICAL DATA

Size (overall)	418 × 330mm
Minimum Pitch and Headlap 17.5° at 10	00mm headlap / 27.5° at 75mm headlap
(The minimum pitch is based on a maximum rafter length of please contact the Technical Solutions Hotline on 03708 70 .	~ ~ ~
Maximum Pitch (subject to fixing specification)	90°
Minimum Headlap	75mm
Maximum Headlap	125mm
Minimum Gauge/Batten Spacing	293mm
Maximum Gauge/Batten Spacing below	/ 27.5° 318mm / 27.5° and over 343mm
Hanging Length (approx.)	395mm
Cover (all figures are net and do not allow for wastage)	
Linear cover of 1 slate	300mm
Covering capacity at max gauge	9.7 slates/m ²
Weight (at max. gauge approx.)*	45kg/m²
per pallet, including pallet (approx.)	1.02 tonnes
per 1000	4.60 tonnes
Battens Required (at max. gauge)	2.92m/m ²
Batten Size	
Rafter centres up to 450mm	38 × 25mm
Rafter centres up to 600mm	50 × 25mm
Fixing Clips	Eaves, Verge & Slate Clips
Nail Size for Slates#	45 x 3mm (A/A) 45 x 3.35mm (S/S)
Pallet Quantities Slates per pallet 210	/ Slates per pack 35 / Packs per pallet 6

^{*}All weights nominal #(S/S) Stainless Steel Annular ring shanked (A/A) Aluminium Alloy

FITTINGS & ACCESSORIES

10180	517,16186
Hip	Universal Angle Hip
	Dry Hip
	Rapid Hip
Valley	125 GRP Valley
	Dry Valley
Ridge	Universal Angle Ridge
	Universal Angle Monoridge
Ventilation Systems	RedVent FavesVent

Ventilation Systen

RedVent EavesVent
RedVent 25 Over-Fascia Vent
Rapid EavesVent
Top Edge Abutment Ventilation
DryVent Ridge
Rapid Vented Ridge
Uni-Vent Rapid Ridge/Hip
DryVent Monoridge
RedLine Ventilation Tile
8.8kThruVent Tile

ORNAMENTAL RIDGES AND FINIALS

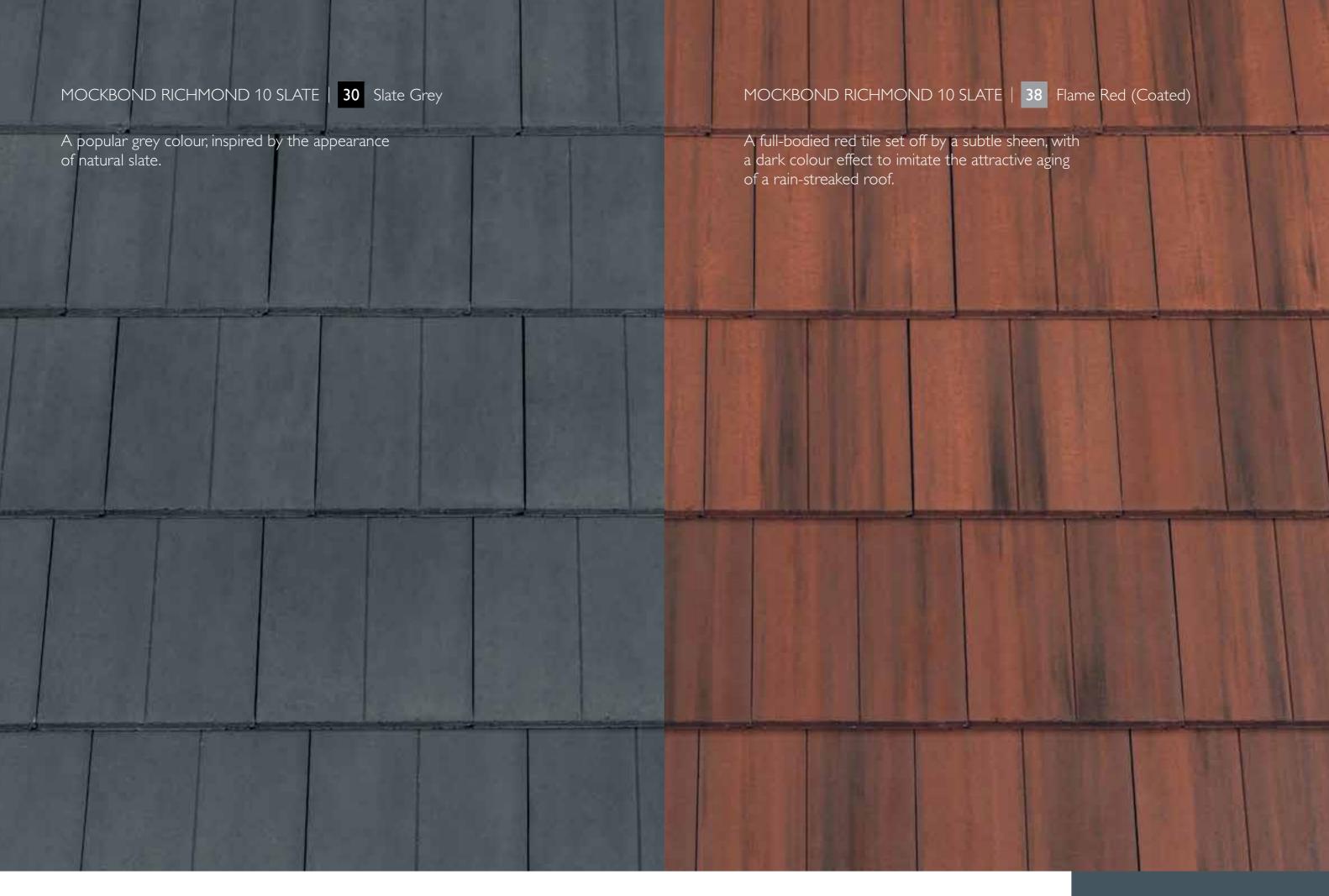
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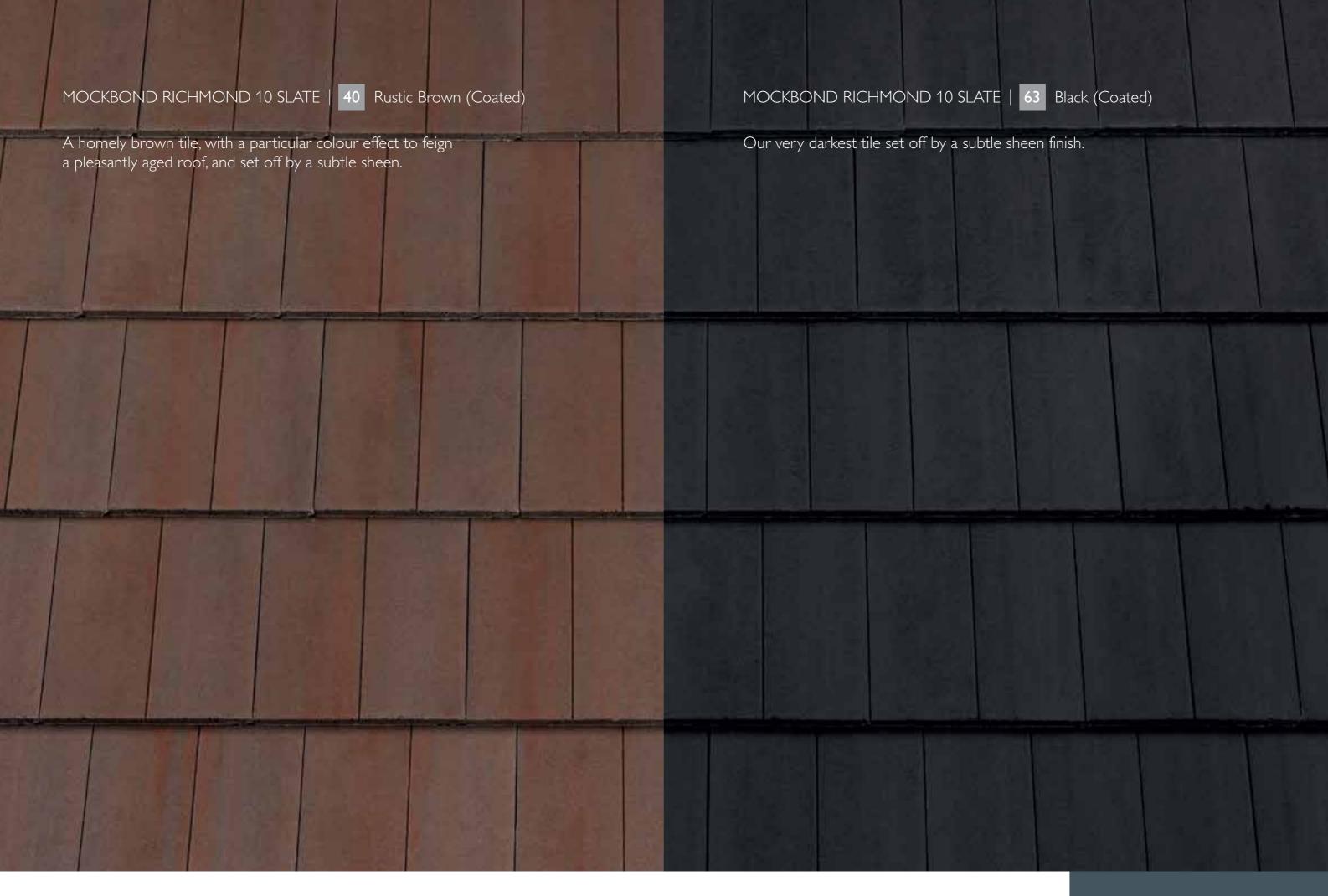




COLOURS



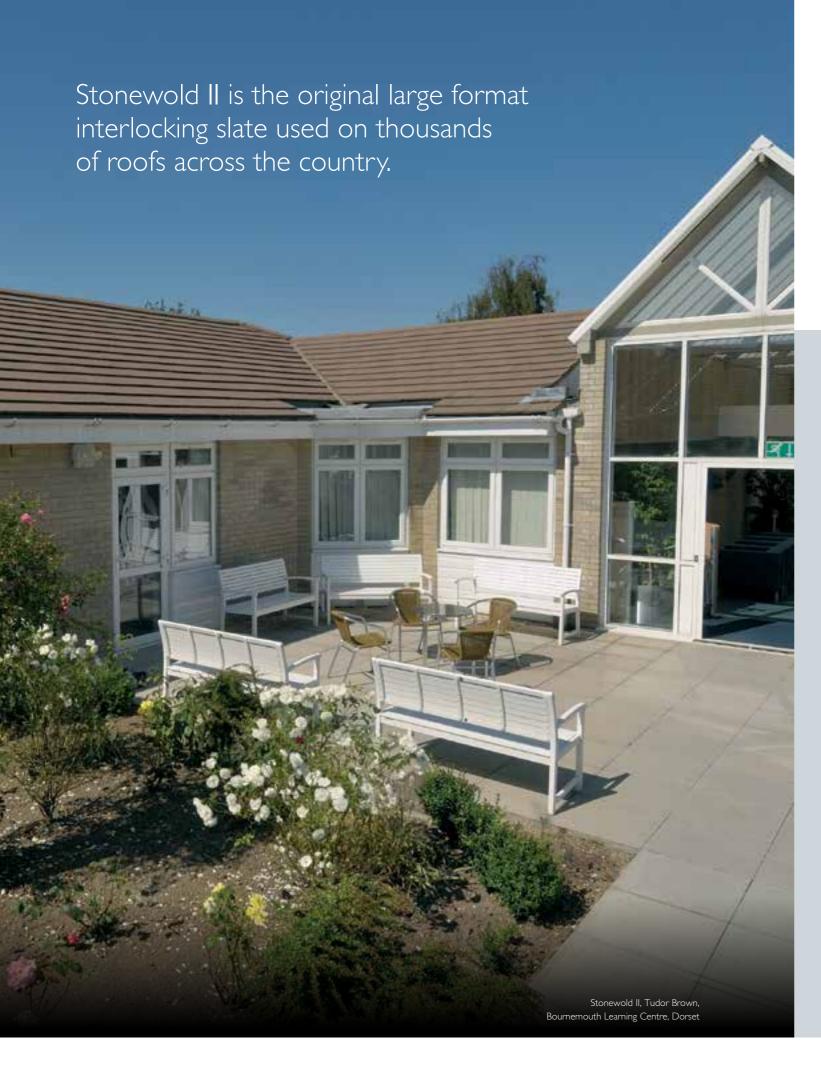




32 MOCKBOND RICHMOND 10 SLATE
WWW.REDLAND.CO.UK

CUSTOMER SERVICE HOTLINE: 03705 601000

MOCKBOND RICHMOND 10 SLATE 33







With its imperial size and proven track record, Stonewold II is quick to install and is particularly suited to larger roofs.



KEY ADVANTAGES

- Imperial size large format tile
- Proven track record in wide range of applications
- Particularly well suited to large area roofs

TECHNICAL DATA

Size (overall)		430 × 380mm
Minimum Pitch and I	Headlap	17.5° at 75mm headlap
(The minimum pitch is based please contact the Technical		length of 10 metres. For rafter lengths greater than this, 3708 702595)
Maximum Pitch (subje	ct to fixing specification) 44°
Minimum Headlap		75mm
Maximum Headlap		125mm
Minimum Gauge/Bat	ten Spacing	305mm
Maximum Gauge/Bat	ten Spacing	355mm
Hanging Length (appro	ox.)	379mm
Cover (all figures are net	and do not allow for w	astage)
Linear cover of 1 slate	е	343mm
Covering capacity at	max gauge	8.2 slates/m ²
Weight (at max. gauge ap	prox.)*	49kg/m²
per pallet, including p	allet (approx.)	0.84 tonnes
per 1000		6.00 tonnes
Battens Required (at	max. gauge)	2.82m/m ²
Batten Size		
Rafter centres up to 450mm		38 × 25mm
Rafter centres up to	600mm	50 × 25mm
Fixing Clips		Eaves, Verge, Slate & Double Battening Clips
Pallet Quantities	Slates per pall	et 132 / Slates per pack 22 / Packs per pallet 6

^{*}All weights nominal

FITTINGS & ACCESSORIES

vei ge	7 (IIIDI-DI y VCI go
Hip	Universal Angle Hip
	Dry Hip
	Rapid Hip
Valley	125 GRP Valley
	Dry Valle _y
Ridge	Universal Angle Ridge
	Universal Angle Monoridge
Ventilation Systems	RedVent FavesVen

RedVent 25 Over-Fascia Vent Rapid EavesVent
Top Edge Abutment Ventilation
DryVent Ridge Uni-Vent Rapid Ridge/Hip DryVent Monoridge 8.8kThruVent Tile

ORNAMENTAL RIDGES AND FINIALS

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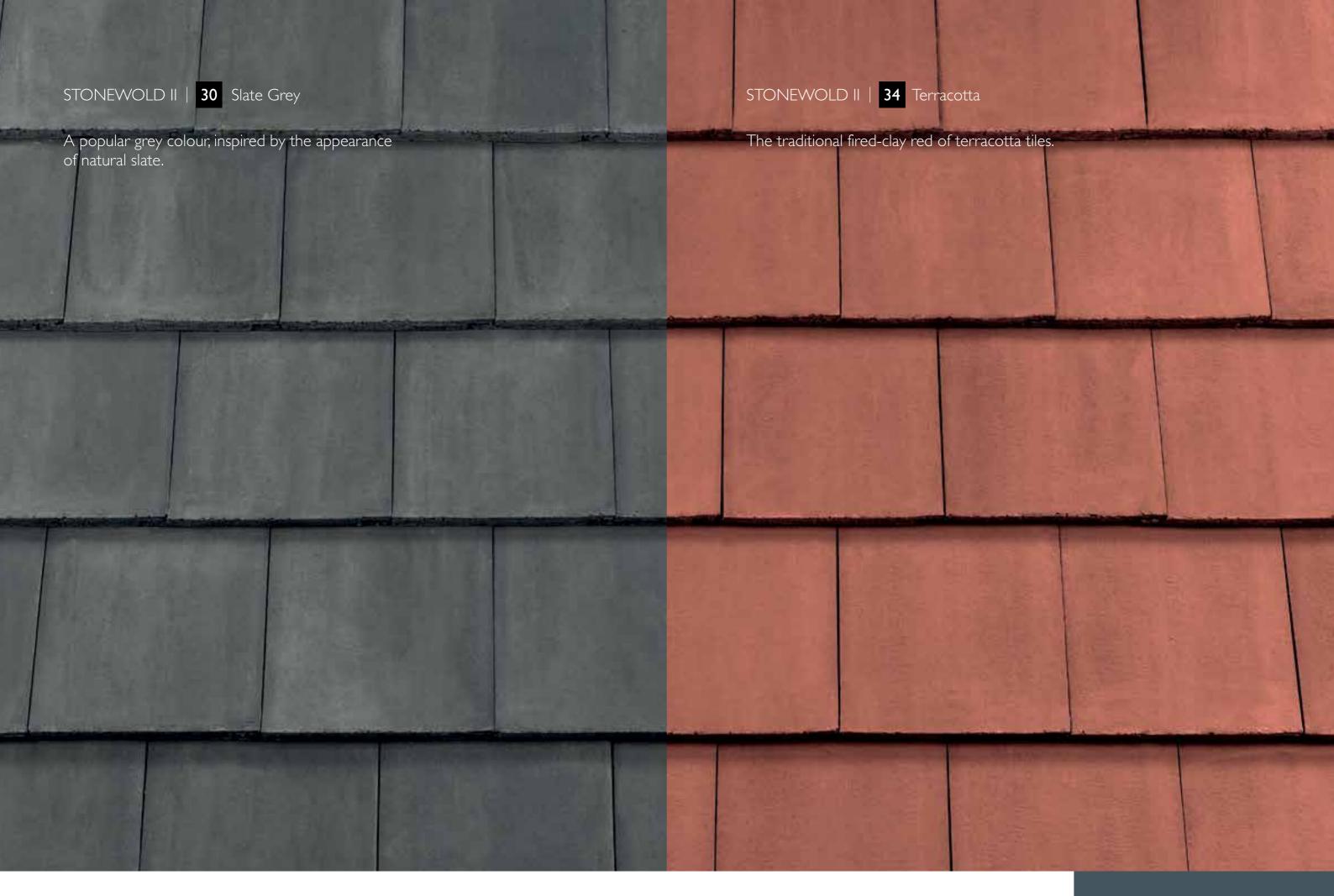


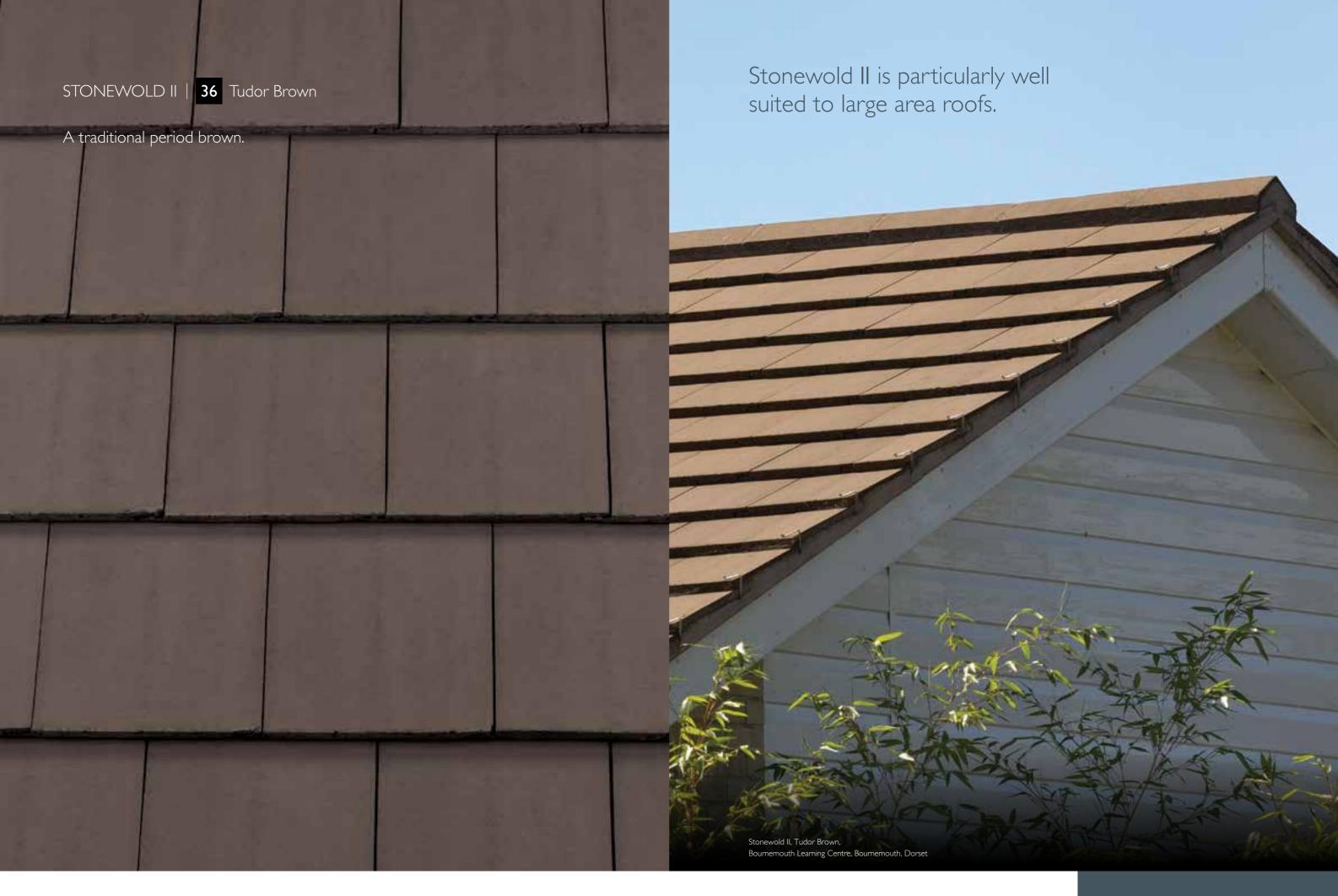


COLOURS



34 STONEWOLD II WWW.REDLAND.CO.UK CUSTOMER SERVICE HOTLINE: 03705 601000 STONEWOLD II 35



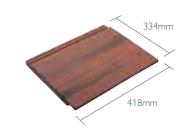








A flat concrete slate that can be laid at pitches as low as 17.5° in both new build and reroofing projects.



KEY ADVANTAGES

- Low pitch capability
- Quick, simple installation reduces laid costs
- Range of eight natural colours

TECHNICAL DATA

Size (overall)	418 × 334m
Minimum Pitch and Headlap 17.5° at 10 (The minimum pitch is based on a maximum rafter length of please contact the Technical Solutions Hotline on 03708 702	
Maximum Pitch (subject to fixing specification)	9(
Minimum Headlap	75m
Maximum Headlap	125m
Minimum Gauge/Batten Spacing	293m
Maximum Gauge/Batten Spacing below	22.5° 318mm / 22.5° and over 343m
Hanging Length (approx.)	397m
Cover (all figures are net and do not allow for wastage) Linear cover of 1 slate Covering capacity at max gauge	294m 9.9 slates/r
Weight (at max. gauge approx.)* per pallet, including pallet (approx.) per 1000	50kg/r 1.16 tonn 5.10 tonn
Battens Required (at max. gauge)	2.92m/r
Batten Size Rafter centres up to 450mm Rafter centres up to 600mm	38 × 25m 50 × 25m
Fixing Clips	Eaves, Verge, Valley & Slate Cli
Fixing Clips Nail Size for Slates#	Eaves, Verge, Valley & Slate Clip 50 x 3.35mm (A/A

COLOURS



FITTINGS & ACCESSORIES

Нір	Universal Angle Hip Dry Hip Rapid Hip
Valley	125 GRP Valley Dry Valley
Ridge	Universal Angle Ridge Universal Angle Monoridge
Ventilation Systems	RedVent EavesVent RedVent 25 Over-Fascia Vent Rapid EavesVent Top Edge Abutment Ventilation DryVent Ridge Rapid Vented Ridge Uni-Vent Rapid Ridge/Hip

RedLine Ventilation Tile

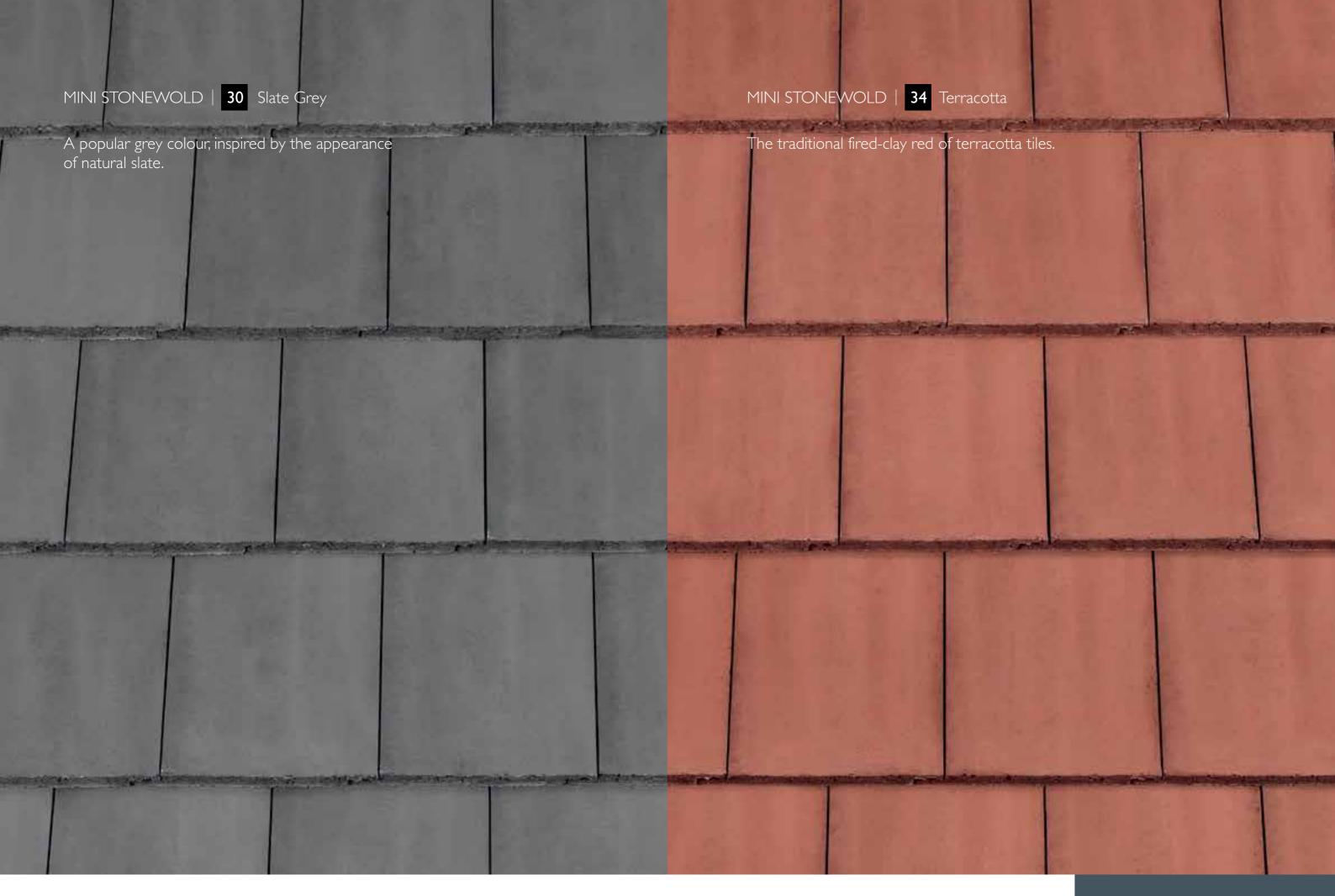
ORNAMENTAL RIDGES AND FINIALS

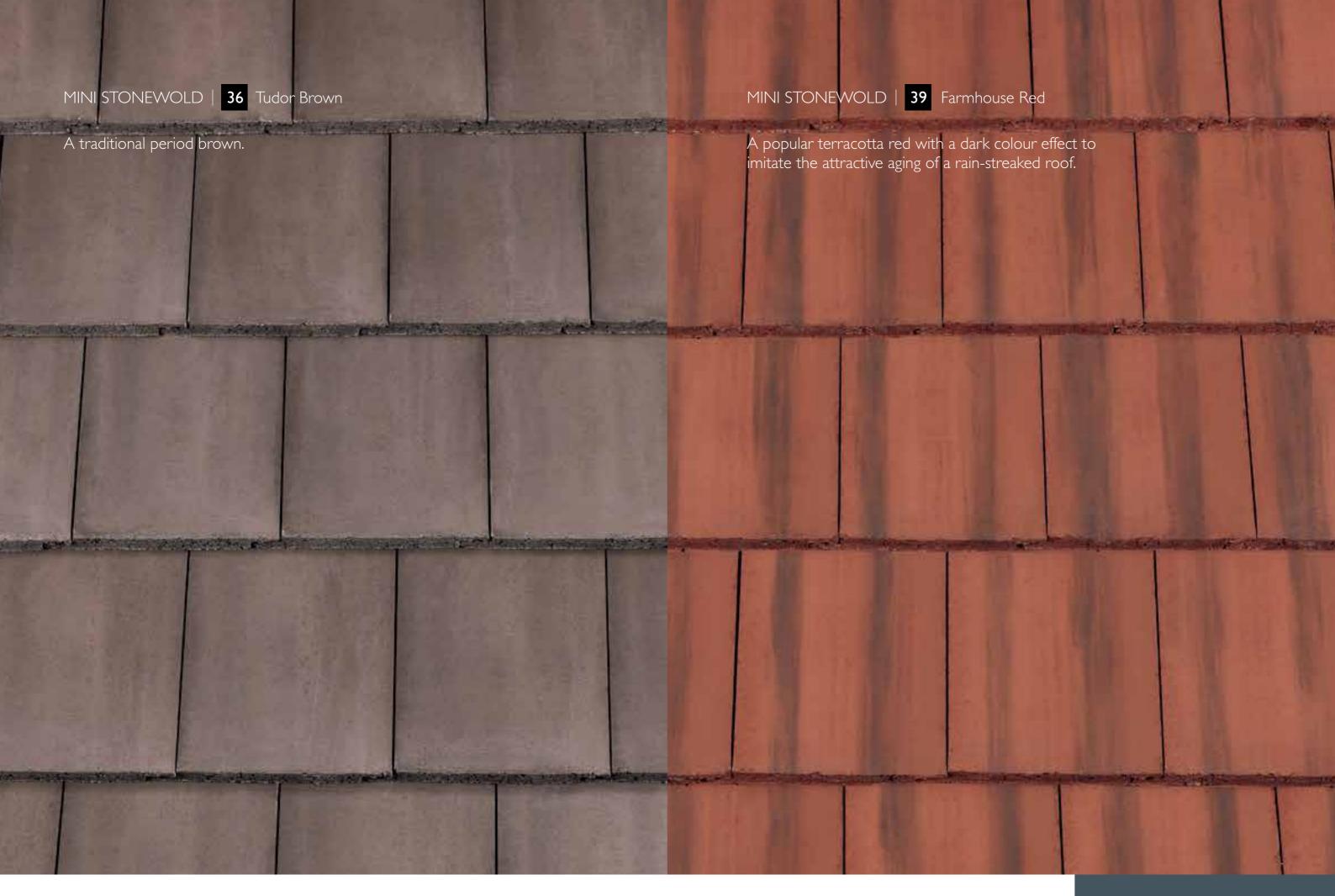
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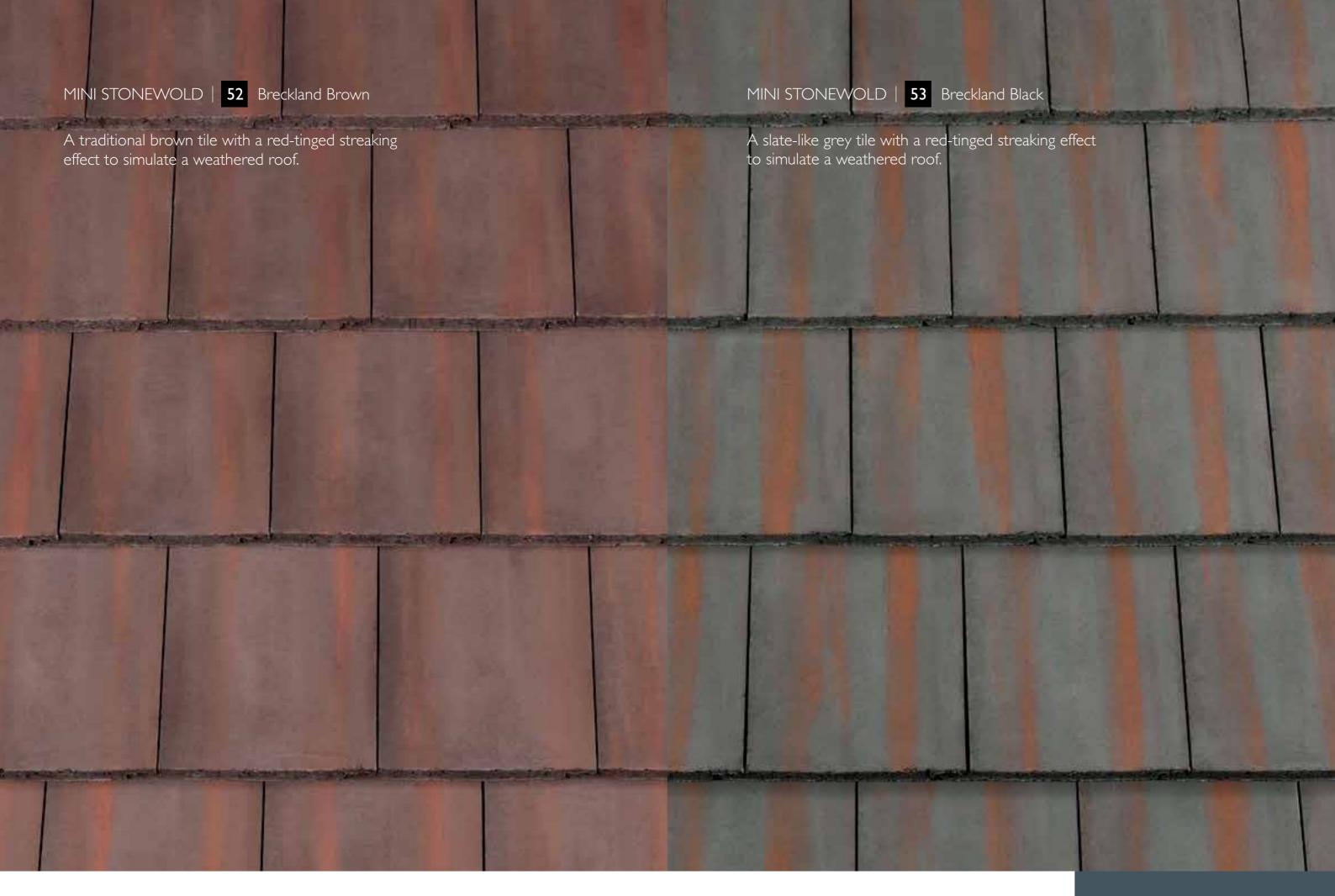


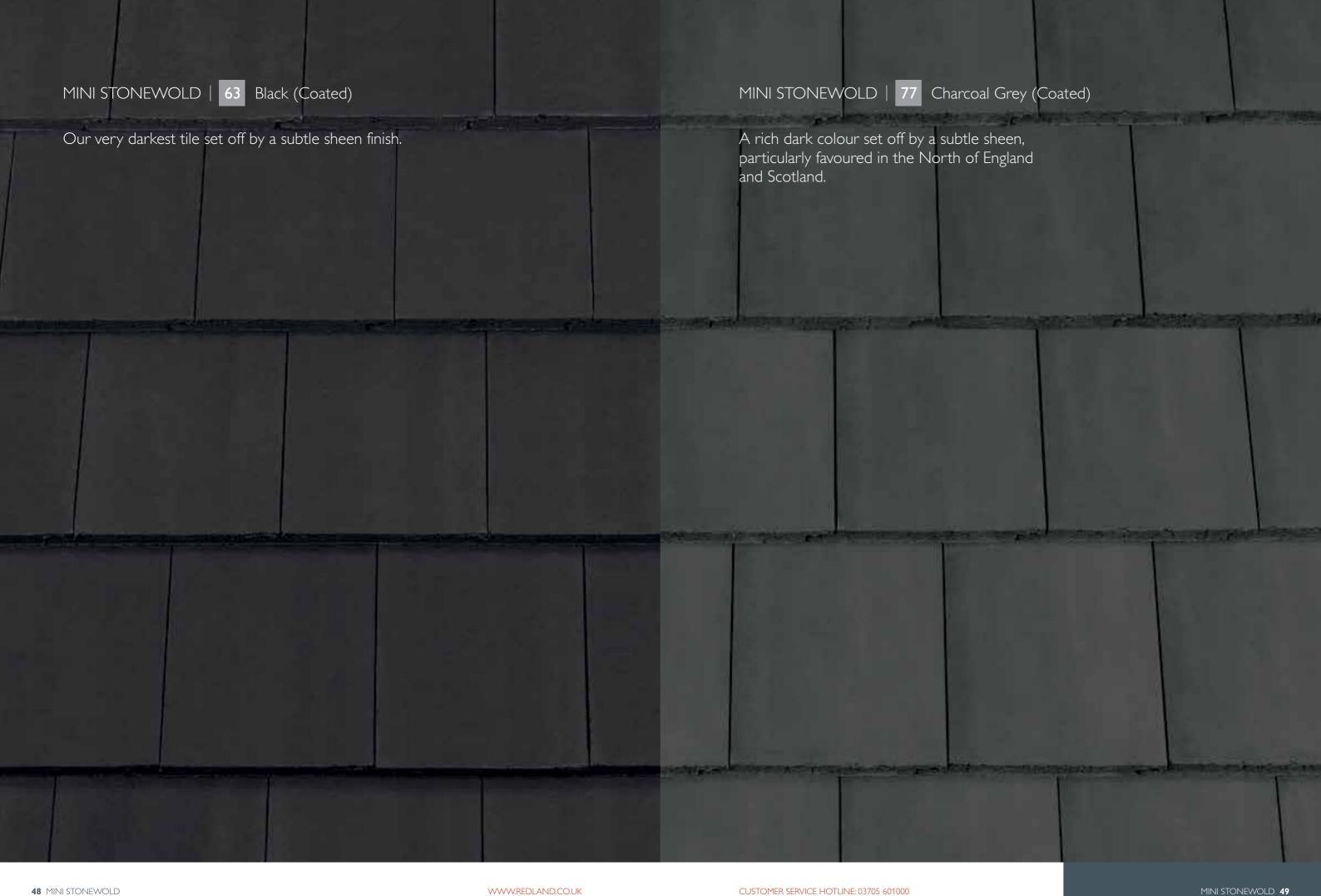


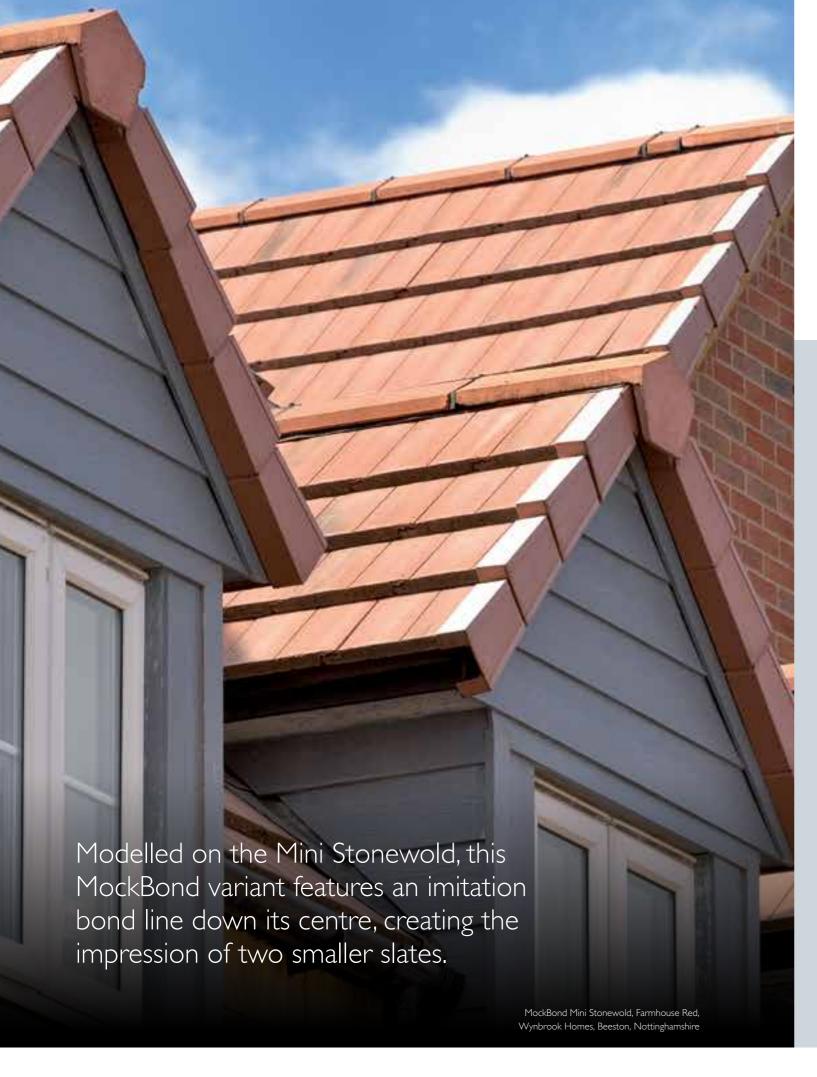
40 MINI STONEWOLD CUSTOMER SERVICE HOTLINE: 03705 601000 MINI STONEWOLD 41



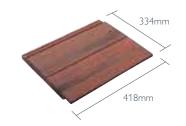












MOCKBOND MINI STONEWOLD

A full-size slate which suggests the appearance of a small-format slate when laid. It is available in five through-coloured options to suit any and every roofing environment.

KEY ADVANTAGES

- Small tile roof appearance, but with speed and ease of larger format installation
- Economical to buy and install
- Available in five attractive colours

TECHNICAL DATA

Size (overall)	418 × 334mm
Minimum Pitch and Headlap 17.5° at	100mm headlap / 22.5° at 75mm headlap
(The minimum pitch is based on a maximum rafter length please contact the Technical Solutions Hotline on 03708 7	0 0
Maximum Pitch (subject to fixing specification)	90°
Minimum Headlap	75mm
Maximum Headlap	125mm
Minimum Gauge/Batten Spacing	293mm
Maximum Gauge/Batten Spacing belo	w 22.5° 318mm / 22.5° and over 343mm
Hanging Length (approx.)	397mm
Cover (all figures are net and do not allow for wastage)
Linear cover of 1 slate	294mm
Covering capacity at max gauge	9.9 slates/m ²
Weight (at max. gauge approx.)*	50kg/m²
per pallet, including pallet (approx.)	1.16 tonnes
per 1000	5.10 tonnes
Battens Required (at max. gauge)	2.92m/m ²
Batten Size	
Rafter centres up to 450mm	38 × 25mm
Rafter centres up to 600mm	50 x 25mm
Fixing Clips	Eaves, Verge, Valley & Slate Clips
Nail Size for Slates#	50 x 3.35mm (A/A)
Pallet Quantities Slates per pallet 21	6 / Slates per pack 36 / Packs per pallet 6

COLOURS

*All weights nominal (A/A) Aluminium Alloy



FITTINGS & ACCESSORIES

	1 0
Hip	Universal Angle Hi
	Dry Hi _l
	Rapid Hi _l
Valley	125 GRP Valle
	Dry Valle
Ridge	Universal Angle Ridge
	Universal Angle Monoridge
Ventilation Systems	RedVent EavesVen
	RedVent 25 Over-Fascia Ven

Rapid EavesVent Top Edge Abutment Ventilation Rapid Vented Ridge Uni-Vent Rapid Ridge/Hip DryVent Monoridge RedLine Ventilation Tile

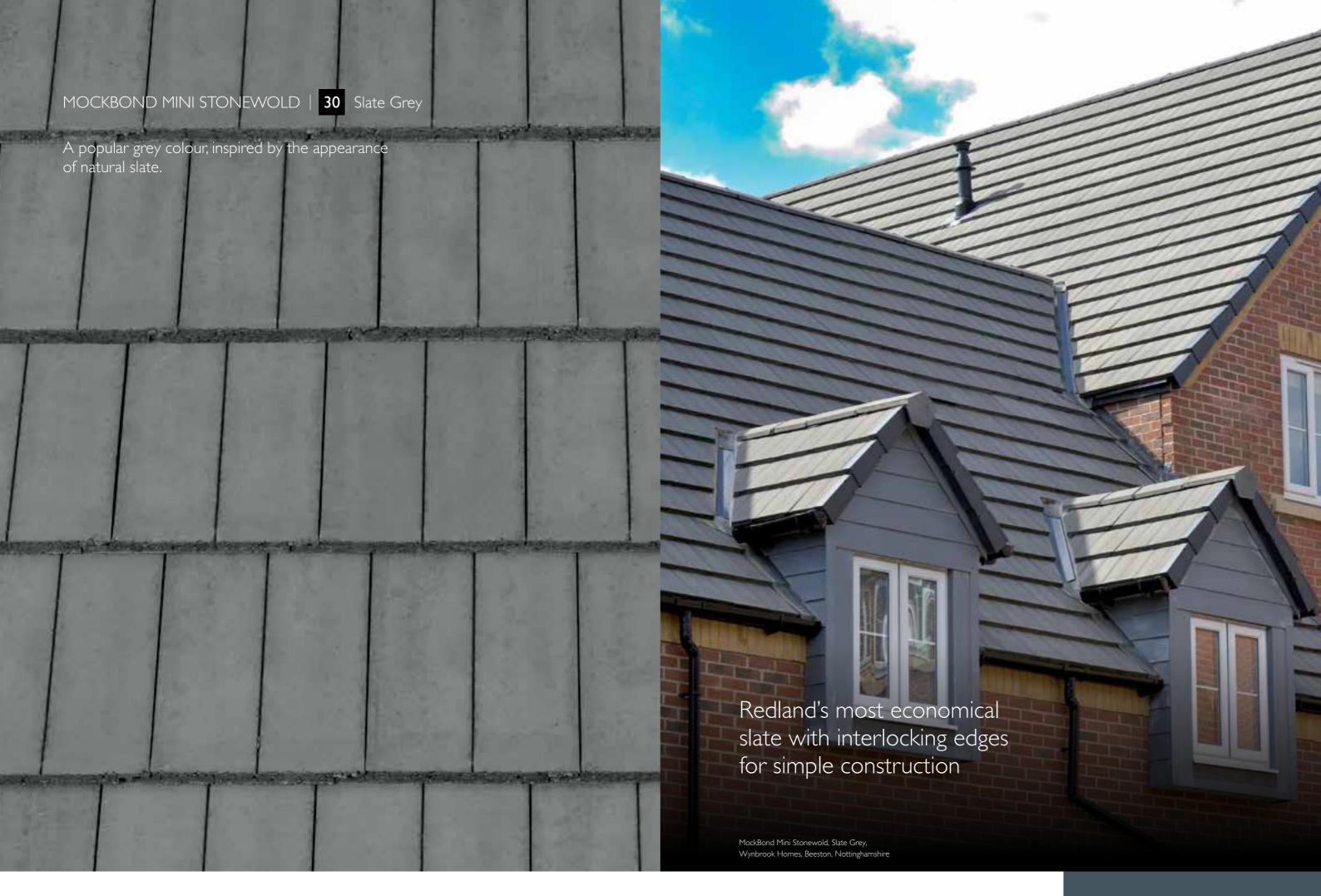
ORNAMENTAL RIDGES AND FINIALS

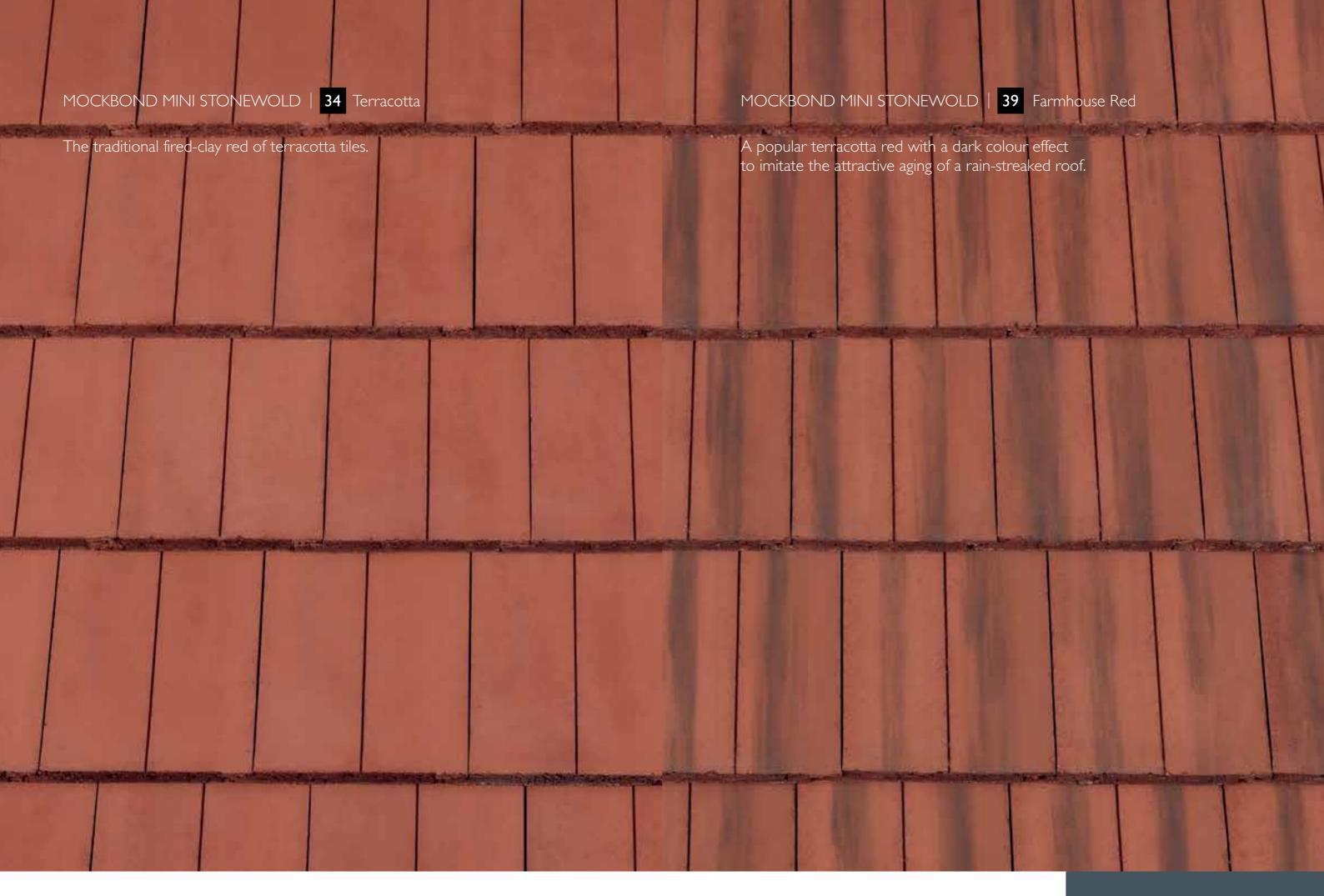
Please refer to page 63.

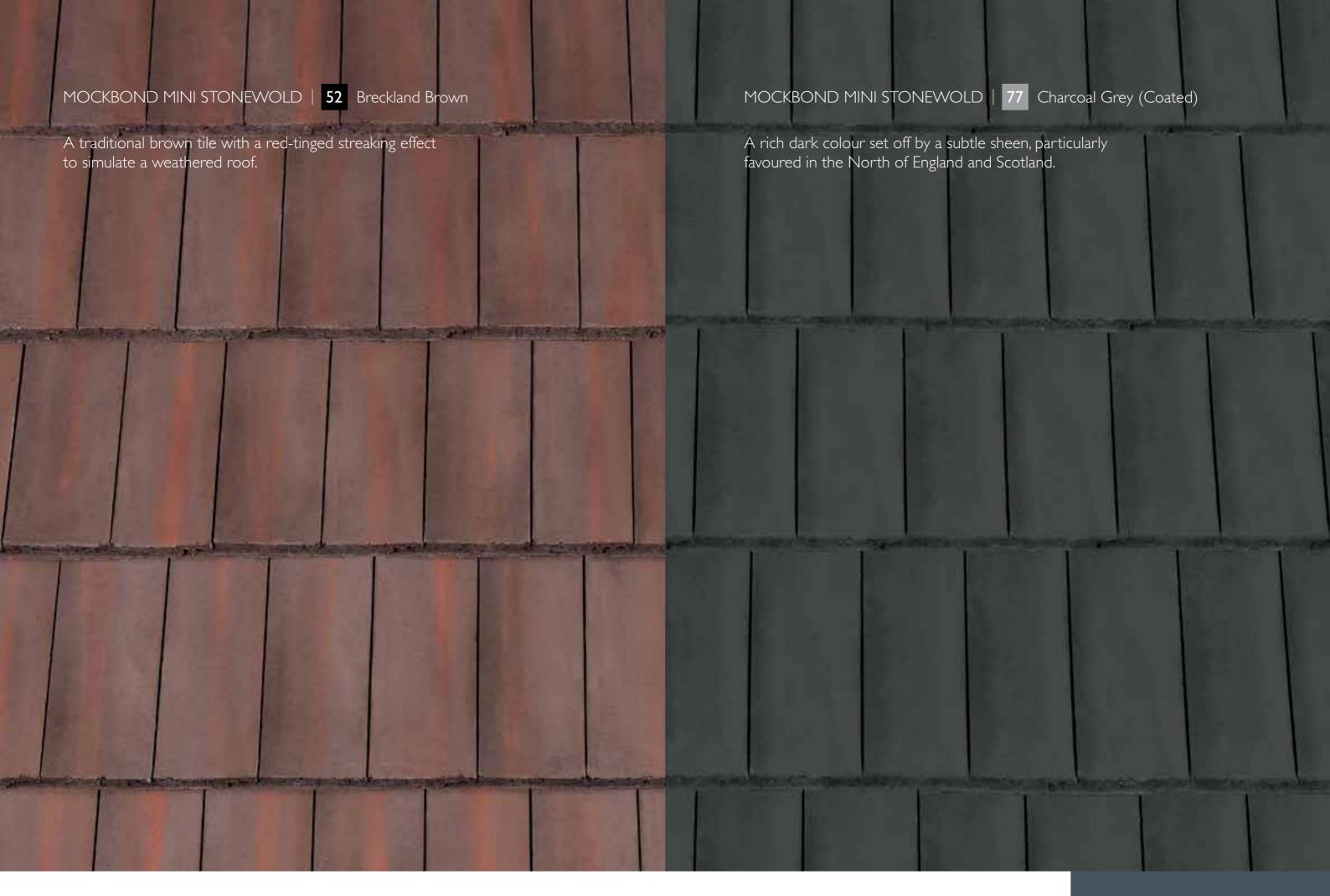




50 MOCKBOND MINI STONEWOLD WWW.REDLAND.CO.UK CUSTOMER SERVICE HOTLINE: 03705 601000 MOCKBOND MINI STONEWOLD 51

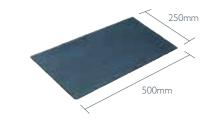












NATURAL SLATE

Natural slate is known for its durability and high performance in extreme weather conditions, and for its appealing, natural good looks that continue to improve with age.

KEY ADVANTAGES

- Genuine natural slate
- Will not rust, delaminate or lighten with age
- Full provenance and traceability

TECHNICAL DATA

500 × 250mm
25° (moderate exposure)#
95mm from head of slate.)
90°
20.5 slates/m ²
39kg/m ²
50 × 25mm
30 x 3mm (Smooth copper nails)
740

^{*}Headlap will vary dependent on pitch and exposure at the standard holing guage, please contact the Technical Solutions Hotline on 03708 702595

FITTINGS & ACCESSORIES

·	
Hip	Universal Angle Hip
	Dry Hip
	Rapid Hip
Valley	Slate GRP Valley
	Dry Valley
Ridge	Universal Angle Ridge
	Universal Angle Monoridge
	5 54 . 5 34 .

Ventilation System

RedVent EavesVent
RedVent 25 Over-Fascia Vent
Rapid EavesVent
Top Edge Abutment Ventilation
DryVent Ridge
Rapid Vented Ridge
Uni-Vent Rapid Ridge/Hip
DryVent Monoridge
Slate Vent Tile

ORNAMENTAL RIDGES AND FINIALS

Please refer to page 63.





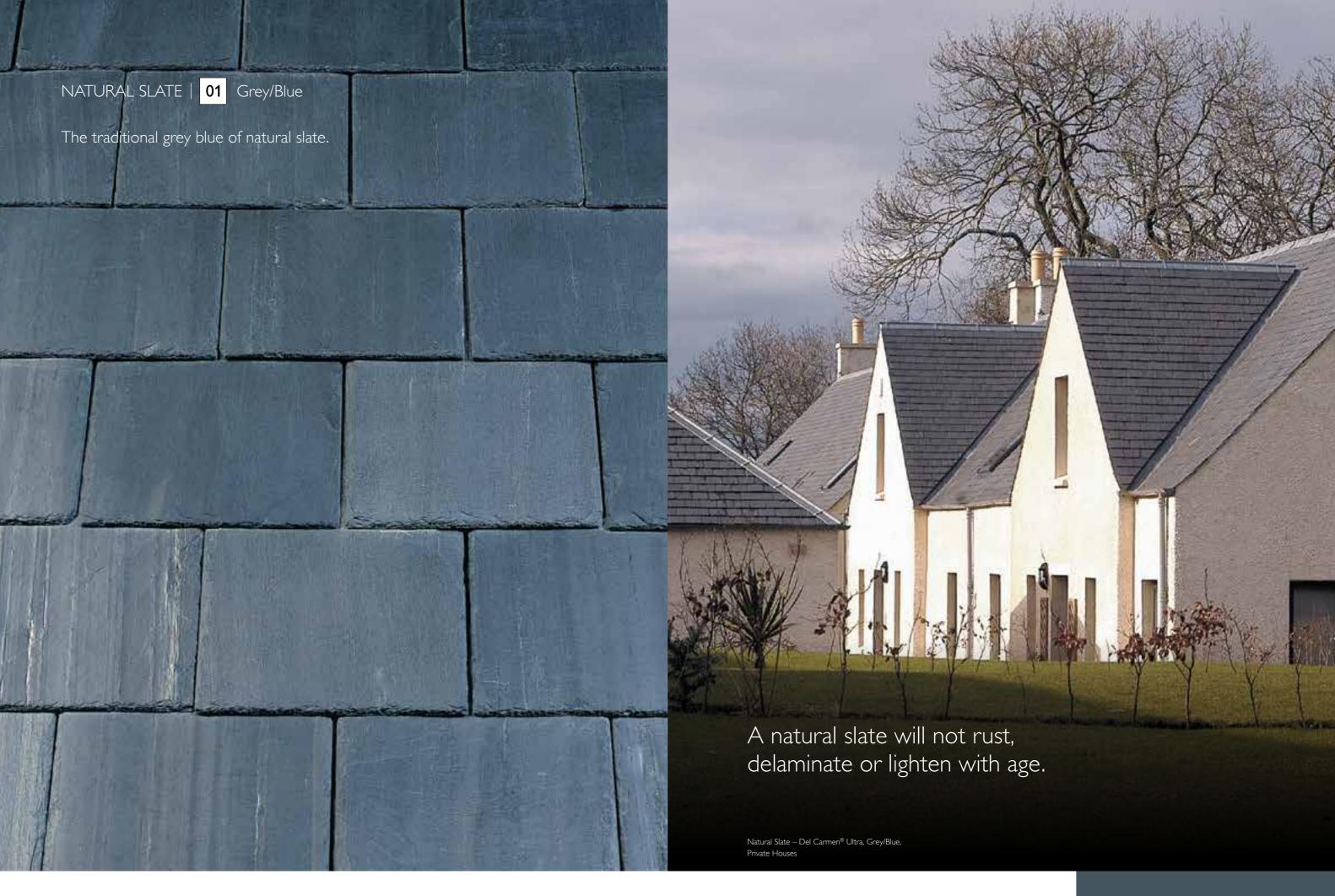
COLOURS

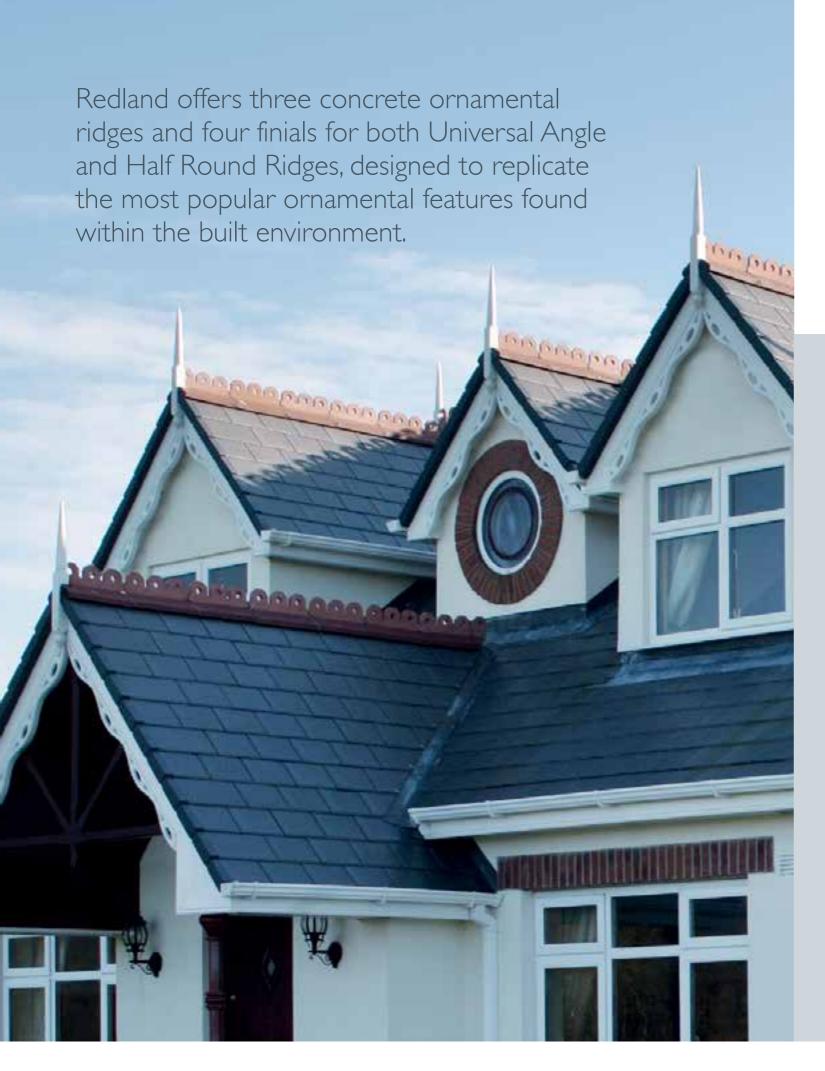


01 Grey/Blue

58 NATURAL SLATE CUSTOMER SERVICE HOTLINE: 03705 601000 NATURAL SLATE 59

^{*}For high exposure pitch requirements, please contact the Technical Solutions Hotline on 03708 702595







ORNAMENTAL RIDGES AND FINIALS

Our concrete Ornamental Ridges and Finials are compatible with mortar bedding, dry fix and ventilated systems, enabling a complete roof to be achieved easily without compromising good looks.

KEY ADVANTAGES

- Ornamental Ridges and Finials are fully compatible with all our ridge fixing systems
- Range of popular styles

ORNAMENTAL RIDGES		Product Codes	Overall Size (L ×W × H mm)	Height of Crest	Weight (kg)
**	Cockscomb Ridge Universal Angle Ridge Universal Angle Ridge Block-End	7468 7538	450 × 259 × 206 450 × 259 × 330	100 100	7.7 9.6
200	Three Hole Crested Ridge Universal Angle Ridge Universal Angle Ridge Block-End	7462 7558	450 × 259 × 256 450 × 259 × 380	150 150	8.5 10.4
***	Fleur-de-Lys Ridge Universal Angle Ridge Universal Angle Ridge Block-End	7467 7568	450 × 259 × 256 450 × 259 × 380	150 150	8.1 10.0
FINIALS		Product Codes	Overall Size $(L \times W \times H mm)$	Height of Finial (mm)	Weight (kg)
*	Scroll Universal Angle Ridge Universal Angle Ridge Block-End	7529 7530	300 × 259 × 306 300 × 259 × 430	200 200	8.5 12.8
1	Short Ball Top Universal Angle Ridge Universal Angle Ridge Block-End	7485 7487	300 × 259 × 376 300 × 259 × 500	270 270	7.4 11.7
1	Tall Ball Top Universal Angle Ridge Universal Angle Ridge Block-End	7486 7488	300 × 259 × 476 300 × 259 × 600	370 370	7.8 12.1
1	Fleur-de-Lys Universal Angle Ridge Universal Angle Ridge Block-End	7491 7492	300 × 259 × 526 300 × 259 × 650	420 420	7.8 12.1

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

FITTINGS COLOUR RANGE

	11 Red	30 Slate Grey	34 Terracotta	35 Rustic Brown	36 Tudor Brown	47 Brecon Grey	63 Black	64 Blue	77 Charcoal Grey
Universal Angle Hip	•	•	•	•	•	•	•	•	•
Universal Angle Block-End Hip	•	•	•	•	•	•	•	•	•
Universal Angle Mitred Hip Block-End	-	•	•	-	-	-	-	-	-
Universal Angle Ridge	•	•	•	•	•	•	•	•	•
Universal Angle Block-End Ridge	•	•	•	•	•	•	•	•	•
Universal Angle Ridge Vent Terminal	•	•	•	•	•	•	•	•	•
Universal Angle Gas Flue Ridge Terminal	-	•	•	-	•	-	-	-	-
Universal Angle Cockscomb Ridge	-	-	•	-	-	-	-	-	-
Universal Angle Cockscomb Block-End Ridge	-	-	•	-	-	-	-	-	-
Universal Angle 3-Hole Crested Ridge	-	-	•	-	-	-	-	-	-
Universal Angle 3-Hole Crested Block-End Ridge	-	-	•	-	-	-	-	-	-
Universal Angle Fleur-de-Lys Ridge	-	-	•	-	-	-	-	-	-
Universal Angle Fleur-de-Lys Block-End Ridge	-	-	•	-	-	-	-	-	-
Universal Angle Scroll Finial	-	-	•	-	-	-	-	-	-
Universal Angle Block-End Scroll Finial	-	-	•	-	-	-	-	-	-
Universal Angle Short Ball Top Finial	-	-	•	-	-	-	-	-	-
Universal Angle Block-End Short Ball Top Finial	-	-	•	-	-	-	-	-	-
Universal Angle Tall Ball Top Finial	-	-	•	-	-	-	-	-	-
Universal Angle Block-End Tall Ball Top Finial	-	-	•	-	-	-	-	-	-
Universal Angle Fleur-de-Lys Finial	-	-	•	-	-	-	-	-	-
Universal Angle Block-End Fleur-de-Lys Finial	-	-	•	-	-	-	-	-	-
Universal Angle Monoridge	•	•	•	•	•	•	•	•	•
Universal Angle Block-End Monoridge LH	•	•	•	•	•	•	•	•	•
Universal Angle Block-End Monoridge RH			•	•	•	•	•	•	•
Hi-Pitch Universal Angle Ridge	-	•	•	-	•	-	-	-	-
Plain Angle Ridge/Hip	-	•	•	-	•	-	-	-	-
Valley Trough Tile	-	•	-	-	-	-	-	-	-

PRODUCT CODES

Product codes are given with dimens All dimensions are in mm (unless stat width and height (where applicable).	ted) in the order: length,	Cambrian	Saxon 10	Landmark 10	Richmond 10/ MockBond Richmond 10	Stonewold II	Mini Stonewold/ MockBond Mini Stonewold	Natural Slate
For fittings colour range availability re	er to table on page 64.							
SLATE								
	Standard Slate (shown above)	4701 300 × 336	4991 418 × 330	4671 418 × 330	4871/4881 418 × 330	4161 430 × 380	4261/4271 418 × 334	1811 500 × 250
	Cambrian Slate-and-a-Half	4702 300 × 486	-	-	-	-	-	-
	Cambrian Left-hand Verge Slate	4703 300 × 300	-	-	-	-	-	-
	Cambrian Left-hand Verge Slate-and-a-Half	4704 300 × 450	-	-	-	-	-	-
	Cambrian Double Slate	4705 300 × 636	-	-	-	-	-	-
	Half Slate Pair (left-hand) (right-hand)	-	4992 418 × 149 418 × 179	4672 418 × 149 418 × 179	4872 418 × 149 418 × 179	4164 430 × 171 430 × 208	4263 418 × 146 418 × 186	-
UNDERLAYS								
	Spirtech 400 2S vapour permeable underlay	9202 50m × 1.5m	9202 50m × 1.5m					
EAVES SYSTEMS								
	RedVent EavesVent System for 350-450mm RedVent EavesVent System for 450-600mm Extension Trays 350-450mm Extension Trays 450-600mm Rapid EavesVent 2-in-1 Tray Rapid EavesVent Rafter Roll	9189 9190 9498 9499 9988 9984	9189 9190 9498 9499 9988 9984	9189 9190 9498 9499 9988 9984	9189 9190 9498 9499 9988 9984	9189 9190 9498 9499 9988 9984	9189 9190 9498 9499 9988 9984	9189 9190 9498 9499 9988 9984
	RedVent 25 Over-Fascia Vent Underlay Support Tray	9593 9076	9593 9076	9593 9076	9593 9076	9593 9076	9593 9076	9593 9076
VERGE SYSTEMS								
	Ambi-Dry Verge System Slate 10 Dry Verge System Ambi-Dry Eaves/Ridge Slate 10 Eaves/Ridge Continuous Dry Verge Rapid Verge Rapid Verge Eaves/Ridge	9570 - 9491 - - -	- 9603/9604 - 9605 - -	- 9603/9604 - 9605 - -	- 9603/9604 - 9605 - -	9576 - 9495 - - -	9550 - 9552 - - 9601 9602	- - - - 9412 -
HIP SYSTEMS								
	Cambrian Mitred Hip System	9504	-	-	-	-	-	-
	Dry Hip System Rapid Hip Uni-Vent Rapid Ridge/Hip System Rapid Hip Support Tray Universal Angle Hip/Ridge Junction	9048 9503 9313 9069 9520	9047 9524 9313 9069 9520	9047 9524 9313 9069 9520	9047 9524 9313 9069 9520	9046 9028 9313 9069 9520	9046 9028 9313 9069 9520	9048 9503 9313 9069 9520
	Universal Angle Hip without nail holes Universal Angle Hip with nail holes Hip Iron	7777 7778 450 × 226 × 75 9258	7777 7778 450 × 226 × 75 9258	8322 8321 450 × 226 × 75 9258	7777 7778 450 × 226 × 75 9258	7777 7778 450 × 226 × 75 9258	7777 7778 450 × 226 × 75 9258	7777 7778 450 × 226 × 75 9258
	Universal Angle Block-End Hip	7779 50 × 226 × 75	7779 50 × 226 × 75					
VALLEY SYSTEMS								
	Cambrian GRP Valley 125 GRP Valley Natural Slate GRP Valley Dry Valley	9553 - - - 9575	- 9595 - 9575	- 9595 - 9575	- 9595 - 9575	- 9595 - 9575	- 9595 - 9575	- - 9413 9575

PRODUCT CODES

Product codes are given with dimer All dimensions are in mm (unless st width and height (where applicable) For fittings colour range availability i	ated) in the order: length,).	Cambrian	Saxon 10	Landmark 10	Richmond 10/ MockBond Richmond 10	Stonewold II	Mini Stonewold/ MockBond Mini Stonewold	Natural Slate
ABUTMENT SYSTEMS								
*	Top Edge Abutment Ventilation System	9548	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 9957 9960 9959 9953 9998 9995 9995	9955/9956 9957 9960 9959 9953 9998 9995 9929	9955/9956 9957 9960 9959 9953 9998 9995 9995	9955/9956 9957 9960 9959 9953 9998 9995 9929	9955/9956 9957 9960 9959 9953 9998 9995 9929	9955/9956 9957 9960 9959 9953 9998 9995 9995	9955/9956 9957 9960 9959 9953 9998 9995 9929
	Abutment GRP Secret Gutter Bonding Gutter	9596 9580						
RIDGE SYSTEMS								
7-4	DryVent Ridge System	9059	9059	9059	9059	9059	9059	9059
7*	Uni-Vent Rapid Ridge/Hip System Rapid Vented Ridge	9313 9308						
	Ridge Vent Terminal Terminal Adaptor Flexible Pipe (100 to 100)	7254 450 × 259 × 140 9175 9172	7254 450 × 259 × 140 9175 9172	8330 450 × 259 × 140 9175 9172	7254 450 × 259 × 140 9175 9172			
	Gas Flue Ridge Terminal Gas Flue Extension Adaptor Gas Flue Blanking Plates	7272 450 × 259 × 172 9143 9099	7272 450 × 259 × 172 9143 9099	8329 450 × 259 × 172 9143 9099	7272 450 × 259 × 172 9143 9099			
	Universal Angle Ridge Hi–Pitch Universal Angle Ridge	7146 450 × 259 × 106 7151 335 × 255 × 153	7146 450 × 259 × 106 7151 335 × 255 × 153	8319 450 × 259 × 106	7146 450 × 259 × 106 7151 335 × 255 × 153	7146 450 × 259 × 106	7146 450 × 259 × 106 7151 335 × 255 × 153	7146 450 × 259 × 106 7151 335 × 255 × 153
1	Universal Angle Block-End Ridge	7518 450 × 259 × 106	7518 450 × 259 × 106	8320 450 × 259 × 106	7518 450 × 259 × 106	7518 450 × 259 × 106	7518 450 × 259 × 106	7518 450 × 259 × 106
'L'	DryVent Monoridge System	9084	9084	9084	9084	9084	9084	9084
	Universal Angle Monoridge	7148 450 × 154 × 273	7148 450 × 154 × 273	8324 450 × 154 × 273	7148 450 × 154 × 273	7148 450 × 154 × 273	7148 450 × 154 × 273	7148 450 × 154 × 273
	Universal Angle Block-End Monoridge Left-hand Universal Angle Block-End Monoridge Right-hand	7297 7298 450 × 154 × 273	7297 7298 450 × 154 × 273	8325 8326 450 × 154 × 273	7297 7298 450 × 154 × 273	7297 7298 450 × 154 × 273	7297 7298 450 × 154 × 273	7297 7298 450 x 154 x 273

		Cambrian	Saxon 10	Landmark 10	Richmond 10/ MockBond Richmond 10	Stonewold II	Mini Stonewold/ MockBond Mini Stonewold	Natural Slate
VENTILATION TILES		•	•	•	**			
	RedLine Vent Tile with Underlay Seal RedLine Vent Flexible Pipe	Ī	9141 9172	9141 9172	9141 9172	:	9118 9172	Ī
	Natural Slate Standard Vent Tile 4.5k ThruVent Tile with Underlay Seal Flexible Pipe (75 to 100) 8.8k ThruVent Tile with Underlay Seal Flexible Pipe (100 to 100)	- 7705 9188 - -	- - - 7944 9172	- - - 7945 9172	- - - 7943 9172	- - - 7934 9172	- - - 7935 9172	9414 - 9188 - -
	Rapid Roof Vent Rapid Roof Vent Adaptor	- -	-	-	-	-	9124 9791	- -
	Natural Slate Hi-Capacity Vent Tile Hi-Flow ThruVent Tile with Underlay Seal	- 7349					:	9416 -
FIXING								
	Slate Nails (Alum.Alloy)	-	9334 45 × 3	9334 45 × 3	9334 45 × 3	-	9338 50 × 3.35	-
	Slate Nails (Stainless Steel)	-	9350 45 × 3.35*	9350 45 × 3.35*	9350 45 × 3.35*	-	-	-
	Natural Slate Naïls (Copper)	-	-	-	-	-	-	9417 30 × 3
	Eaves Clip	9192#	9293	9293	9293	9296	9186	-
	Eaves Clip Nails (Alum.Alloy)	(inc. nails)	9338 50 × 3.35	9338 50 × 3.35	9338 50 × 3.35	9338 50 × 3.35	9338 50 × 3.35	_
			30 \ 3.33	30 × 3.33	30 × 3.33	30 \ 3.33	30 × 333	
	Slate Clip (Alum.Alloy)	9196 [#] (inc. nails)	9294 (inc. nails)	9294 (inc. nails)	9294 (inc. nails)	9240 (inc. nails)	9185 (inc. nails)	-
	Verge Clip (Stainless Steel)	9193# (inc. nails)	9481	9481	9481	9297	9529	-
	Double Battening Clip (Alum.Alloy)		-	-	-	9204 40 × 2.65		-
BEDDED HIP AND RIDGE MECHA	Storm Clip ANICAL FIXING	•	-	•	•	-	9530	-
	Stainless Steel Batten Straps Universal Angle Clamping Plates Woodscrews (100 x 4) & Washers	9447 9567 9584	9447 9567 9584	9447 9567 9584	9447 9567 9584	9447 9567 9584	9447 9567 9584	9447 9567 9584
OTHER ACCESSORIES	Rapid Roof Putty Rapid Roof Paint	9155 -	9155 9232	9155 -	9155 9232	9155 -	9155 9232	9155 -

^{*} Stainless Steel ring shanked

PERFORMANCE AND APPEARANCE

Authority

All concrete slate range tiles conform to BS EN 490:2011: Concrete roofing tiles and fittings for roof covering and wall cladding – Product specifications. Redland Natural Slates have been tested in accordance with BS EN 12326-1:2014: Slate and stone products for discontinuous roofing and external cladding. Specifications for slate and carbonate slate. As there is no British Standard for Cambrian Slate, it has been designed to meet the relevant performance requirements of BS 5534:2014: Slating and tiling for pitched roofs and vertical cladding – Code of Practice and has been awarded British Board of Agrément certificate No. 87/1907.

Sustainability

As members of the RoofTile Association, data supplied for our concrete tiles enabled the BRE Green Guide to Specification to award the highest A+ rating for generic concrete tiles. Redland Cambrian Slates are the most eco-friendly resin slates available; the Green Guide to Specification awards generic resin slates an A rating when part of standard roof constructions based upon data provided by Monier Redland Ltd, the same as for UK produced natural slates.

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 slates and tiles, this guarantee includes all our fittings and accessories. A complete Redland roof is a completely guaranteed roof.

Composition and Manufacture

Concrete slates are manufactured by a high-pressure extrusion and compaction process.

Redland Del Carmen® Ultra natural slate is quarried in the Cabrera Mountains in north-western Spain. Cambrian Slates are manufactured from crushed Welsh natural slate (minimum content over 60%), stone, resin and glass-fibre reinforcement.

Performance

All slates and 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. Slates and 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 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 the Technical Solutions Hotline 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 the Technical Solutions Hotline.

Movemen

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

Fire Resistance

Cambrian Slates are classified as follows:

EXT.S.A.A. when tested for fire protection to BS 476-3:2004: Fire tests on building materials and structures — Classification and method of test for external fire exposure to roofs. Class 2 when tested for surface spread of flame to BS 476-7:1997: Fire tests on building materials and structures — Method of test to determine the classification of the surface spread of flame of products. Fire propagation index 12.3 when tested to BS 476-6:2009: Fire tests on building materials and structures — Method of test for fire propagation for products.

Under the Building Regulations there are no restrictions on the use of Cambrian Slates as a roofing material but for mansards above 69° or vertical slating, it is essential to comply with Approved Document B. All other slates and 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

Slates and tiles do not delaminate and despite having high strength properties, are easy to cut. All Redland concrete slate range tiles exceed the minimum strength requirements as laid down in BS EN 490. Redland Natural Slates exhibit high flexural strength and are tested in accordance with BS EN 12326-1:2014.

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/m³ of air. Redland Natural Slates are classified S1 under BS 12326-1 for resistance to pollution.

Biological Effects

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

Mosses and lichens: slate 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. When cutting slates 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 slates, 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 slate/tile quality is not affected.

Cambrian Slates can be pre-weathered during manufacture if required. After installation slight lightening may occur due to natural weathering. Landmark 10 Slates are designed to change over time, just as natural slate mellows and develops character. With the exception of Landmark, 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.

Natural Slates are devoid of artificial pigments but some natural colour variation, variability in grain and inclusions can occur. Redland Natural Slate products attain a T1 classification in BS EN 12326-1 and therefore oxidation, change of appearance and colour changes which may affect the structure or form runs of discolouration are unlikely to occur.

For the best visual effect on the roof, slates and tiles must be selected randomly from a minimum of three different pallets. When laying slates and tiles in prominent areas it is advisable to ensure that there are sufficient stocks of mixed tiles available to complete the elevation. Slates of the same colour or profile, which are manufactured at different plants, must not be mixed on the same roof area.

Fixing Specification

Every Redland Del Carmen® Ultra slate must be fixed with either copper or stainless steel nails or stainless steel hooks. There is only one recommended fixing specification for Cambrian Slates – they must be twice nailed and clipped using Redland proprietary nails and clips. In addition, verge clips are required for every verge, raking valley cut and rooflight abutment. For information on how to obtain recommended fixing specifications for all other Redland slates and tiles, go to www.redland.co.uk/fixmaster

All mortar bedded hips and ridges must be mechanically fixed.

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.

General Guidance

Special Notes on laying Natural Slates

- All slates must be sorted into a minimum of three thicknesses prior to laying.
 Thick slates should be laid at the eaves with the thinnest used on upper roof sections using slates of consistent thickness in any one course.
- Fix each slate with two nails through prepared holes.
- At all eaves, a double course of slates is required.
- All slates should be laid broken (1/2) bond and double lapped.
- Form verges by using Standard Slates and Slate-and-a-Halves in alternate courses.
- At ridges and top edge abutments, a shouldered slate should be used in the course below the top course to enable the short top course slates to be nailed directly to the batten.
- At hips and valleys, care should be taken to preserve an adequate bond by using Slate-and-a-Halves.
- When used with mechanically fixed ridge or top edge abutment systems, further fixing may be required. Please contact Technical Solutions.
- Please contact Redland Technical Solutions for use on Vertical or on Curved Roofs

Special Notes on laying Cambrian Slates and Concrete Slate Range Tiles

- With the exception of MockBond Mini Stonewold and MockBond Richmond 10 all slates and tiles must be laid broken (1/2) bonded, normally from right to left. MockBond Mini Stonewold and MockBond Richmond 10 should be laid with a 3/4 tile offset, as opposed to standard 1/2 tile offset. In the case of MockBond Richmond 10 the interlock of each slate in the course above should not coincide with the nail hole of each slate in the course below.
- At right hand verges for Cambrian Slates use Standard Slates and Slate-and-a-Halves in alternate courses. For all other slates except MockBond Mini Stonewold and MockBond Richmond 10 use Standard Slates and Right-hand Half Slates in alternate courses. For MockBond Mini Stonewold at the right hand verge use Standard Slates (with interlocks removed) or Right-hand Half Slates and 3/4 width slates in alternate courses. For MockBond Richmond 10 at the right hand verge start with a full slate in the eaves course, and 3/4 slate, 1/2 slate and 1/4 slate respectively in subsequent courses up the verge to maintain correct laying pattern. Repeat full slate, 3/4 slate, 1/2 slate and 1/4 slate sequence up the right hand verge as required.
- At left hand verges for Cambrian Slates, use Left-hand Verge Slates and Left-hand Verge Slate-and-a-Halves in alternate courses. For all other slates except MockBond Mini Stonewold and MockBond Richmond 10 use Standard Slates (with interlocks removed), and Left-hand Half Slates in alternate courses. For MockBond Mini Stonewold use Standard Slates (with interlocks removed) or Left-hand Half Slates and 3/4 width slates in alternate courses. For MockBond Richmond 10 use the full slate, 3/4 slate, 1/2 slate and 1/4 slate sequence respectively at the left hand verge as required to maintain the correct laying pattern.
- 3/4 and 1/4 slates should be cut on site from full slates, while 1/2 slates should be cut from Half Slate Pairs. All cut slates should be appropriately handed.
- At side abutments, allow for cover flashing and secret gutter.

Additional Notes when laying Cambrian Slates

- For rafter pitches below 45° with mitred hip, Double Slates will be required on all courses either side of the hip. At pitches greater than this Slate-and-a-Halves can be used.
- For rafter pitches below 25° for valleys, dry and mechanically fixed bedded hips, Double Slates will be required on all courses either side of the valley or hip. At pitches greater than this Slate-and-a-Halves can be used.
- For advice on the replacement of individual slates, contact the Technical Solutions Hotline

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 our Customer Service Hotline.

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

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