

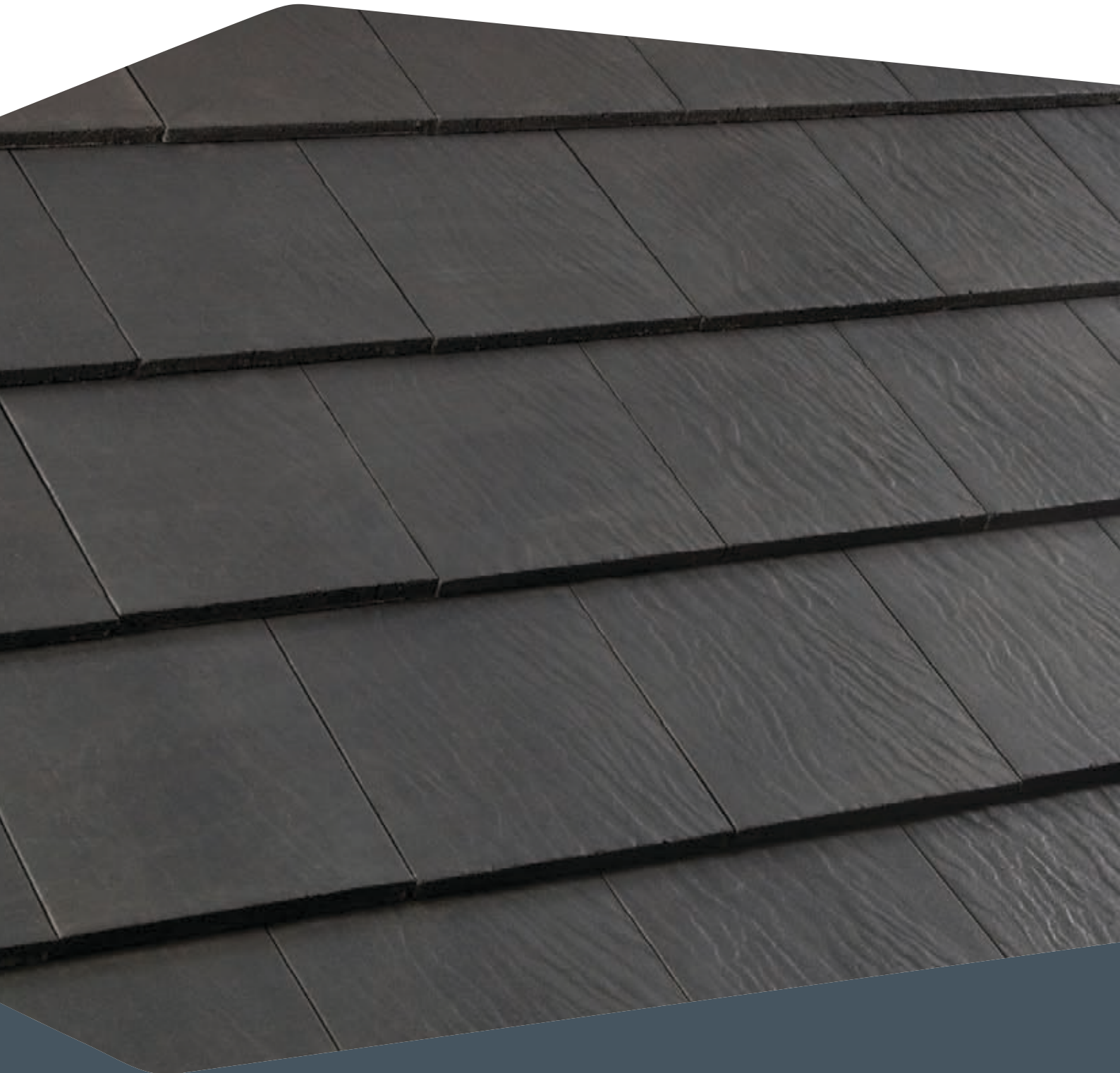
August 2011

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SLATES – THIN LEADING EDGE RANGE

Richmond10, Saxon10, Landmark Slate10 and MockBond Richmond10





Redland is a brand of the worldwide Monier Group. With operations in 42 countries and over 150 production sites, Monier 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 more than 90 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.

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

“EASY TO SPECIFY”

We provide services to help you choose or specify a pitched roof. Our roofing know-how allows us to guarantee performance and gives complete peace of mind.

“EASY TO BUY”

Our products are widely available, our staff are well trained, we know our products and we understand customer needs. We aim to deliver on time and in full.

“EASY TO INSTALL”

Our roofing know-how has enabled us to design products that are easy to install and fit together to form a roof system. Our fixing instructions are clear, and we provide support to help overcome difficult technical problems.

“EASY TO OWN”

When correctly fixed our roofs do not fail. They last for a long time. Our guarantees are relevant and credible.

Slates – thin leading edge range

Replacing our iconic range of thin leading edge slates was never going to be easy, the Richmond, Saxon and Landmark Slates were the first of a new breed of concrete slates when Richmond was launched 25 years ago. Since then, thousands of high quality buildings of all shapes, sizes and uses have benefited from their thin leading edge appeal, cost-effective interlocking design and superior aesthetics.

EXISTING AESTHETIC, NEW APPEAL

Our new Slate 10 range retains the practicality and visual appeal of the originals. Richmond 10 and Saxon 10 retain the smooth and riven finishes respectively of the original product, whilst Landmark Slate 10 still features our unique long-life surface coating. In addition, we are now also able to offer a MockBond variant; the dummy bond line beautifully mimicking the appearance of small format slates commonly found in areas of the West Country, Wales and Scotland.

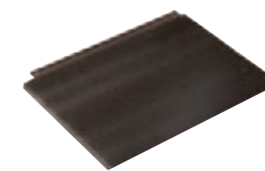
However, we didn't stop there. A new range of vibrant, but natural colours has been introduced across the range, ranging from classic Slate Grey to Blacks and Blues, all designed to be sympathetic to traditional slate values.

Designed to be part of a roof system, the new Slate 10 range delivers the simple beauty of a slated roof, underwritten by the comprehensive Redland 15 Year Roof System Guarantee for total peace of mind.

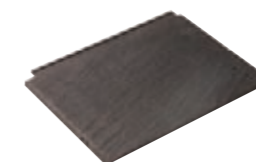
2ND GENERATION PERFORMANCE

When we started to develop the new Slate 10 range, we wanted it to have class-leading performance as well as aesthetics. Using the most comprehensive design and testing facilities in the industry allowed us to improve significantly on the original range.

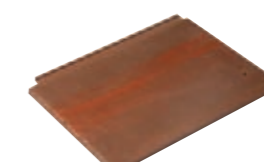
- **10 Slates / m²** – the Slate 10 range now uses only 10 Slates per m² making them easier to lay and optimising the installed cost
- **Slate System** – no requirement for eaves and top slates making Slate 10 easier for specifiers, estimators and installers
- **Lower Minimum Pitch** – Richmond 10, Landmark Slate 10, Saxon 10 and MockBond Richmond 10 can now be laid at pitches as low as 17.5°
- **Single Nail Fixing** – stainless steel, ringshank or aluminium alloy wire nails (dependent on fixing specification) provide unrivalled security whilst single nailing allows quicker and easier installation



Landmark Slate 10
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Saxon 10
page 6



Richmond 10
page 8



MockBond 10
page 9

For further information on Redland:
Visit www.redland.co.uk or telephone our
Customer Service Hotline on **08705 601000**

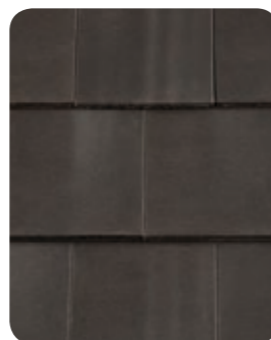
Front cover: Saxon 10, Blue 64

Landmark Slate 10



Landmark Slate 10 Brecon Grey 47

With a unique and long-lasting, rich, dark variegated grey surface finish, and now in a 10 slates/m² format, Landmark Slate 10 further cements its position as an attractive, cost effective alternative to natural slate and clay slates. Landmark Slate 10 offers a slate appearance roof that will weather in sympathy with the building without breaking the bank.



Brecon Grey
47

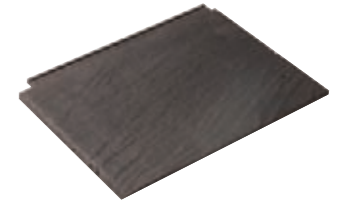
TECHNICAL DATA

Size (overall)	418 x 330 mm	
Minimum Pitch	17.5°	at 100mm headlap
	22.5°	at 75mm headlap
Maximum Pitch	90°	
Maximum Headlap	125mm	
Minimum Gauge/Batten Spacing	293mm	
Maximum Gauge/Batten Spacing	below 22.5°	318mm
	22.5° and over	343mm
Hanging Length	395mm	
Cover		
Linear cover of one slate	300mm	
Covering capacity at maximum gauge (all figures are net and do not allow for wastage)	9.7 slates/m ²	

Weight per 1000 at max gauge (approx) per pallet, including pallet (approx)	4.70 tonnes [†]
	46 kg/m ²
Battens Required at max gauge	2.92 m/m ²
Batten Size	
rafter centres up to 450mm	38 x 25mm
rafter centres up to 600mm	50 x 25mm
Nails for Slates*	45 x 3.00 Aluminium Alloy
	45 x 3.35 S/S Annular Ringshank
Number of Slates/Pallet	210
Slates/Pack	35
Packs/Pallet	6

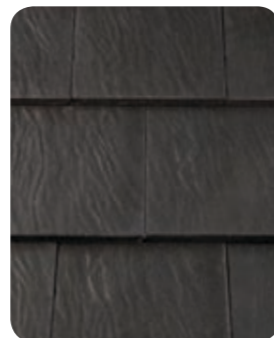
* dependent on fixing specification
† all weights nominal

Saxon 10

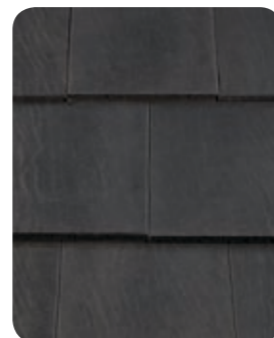


Saxon 10 Blue 64

Available in two classic dark colours with a defined, riven surface and chamfered edges, Saxon 10 matches the appearance of authentic quarried slate with the convenience and performance of a machine-made interlocking slate. Now with a minimum pitch of 17.5°, Saxon 10 offers even more design flexibility, producing roofs of outstanding quality.



Black
63



Blue
64

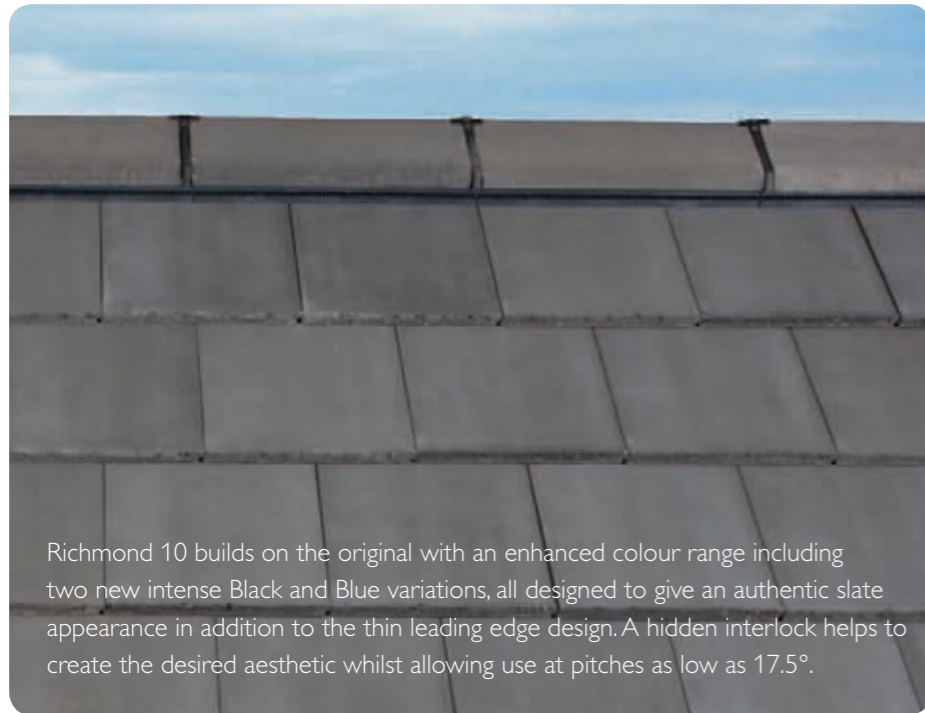
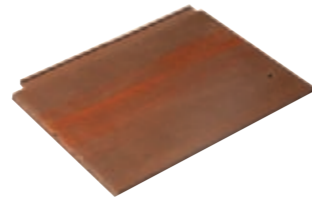
TECHNICAL DATA

Size (overall)	418 x 330 mm	
Minimum Pitch	17.5°	at 100mm headlap
	22.5°	at 75mm headlap
Maximum Pitch	90°	
Maximum Headlap	125mm	
Minimum Gauge/Batten Spacing	293mm	
Maximum Gauge/Batten Spacing	below 22.5°	318mm
	22.5° and over	343mm
Hanging Length	395mm	
Cover		
Linear cover of one slate	300mm	
Covering capacity at maximum gauge (all figures are net and do not allow for wastage)	9.7 slates/m ²	

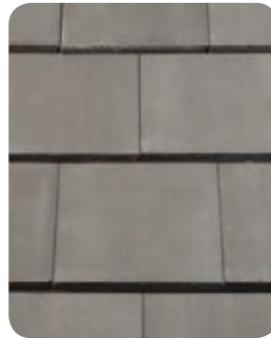
Weight per 1000 at max gauge (approx) per pallet, including pallet (approx)	4.6 tonnes [†]
	45 kg/m ²
Battens Required at max gauge	2.92 m/m ²
Batten Size	
rafter centres up to 450mm	38 x 25mm
rafter centres up to 600mm	50 x 25mm
Nails for Slates*	45 x 3.00 Aluminium Alloy 45 x 3.35 S/S Annular Ringshank
Number of slates/Pallet	216
Slates/Pack	36
Packs/Pallet	6

* dependent on fixing specification
† all weights nominal

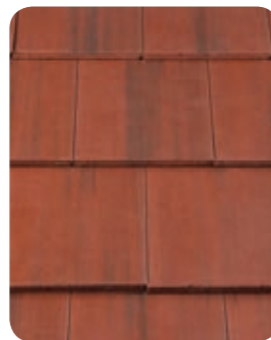
Richmond 10



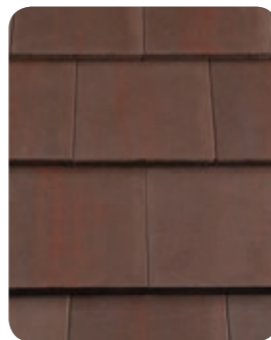
Richmond 10 builds on the original with an enhanced colour range including two new intense Black and Blue variations, all designed to give an authentic slate appearance in addition to the thin leading edge design. A hidden interlock helps to create the desired aesthetic whilst allowing use at pitches as low as 17.5°.



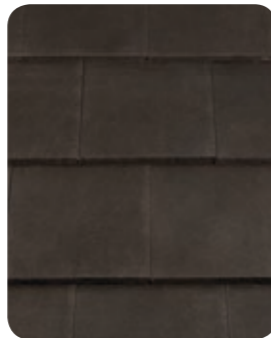
Slate Grey
30



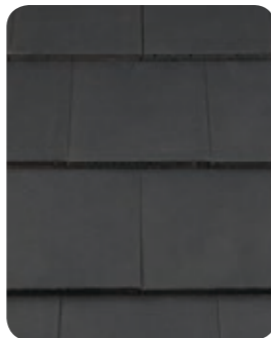
Flame Red
38



Rustic Brown
40



Black
63



Blue
64

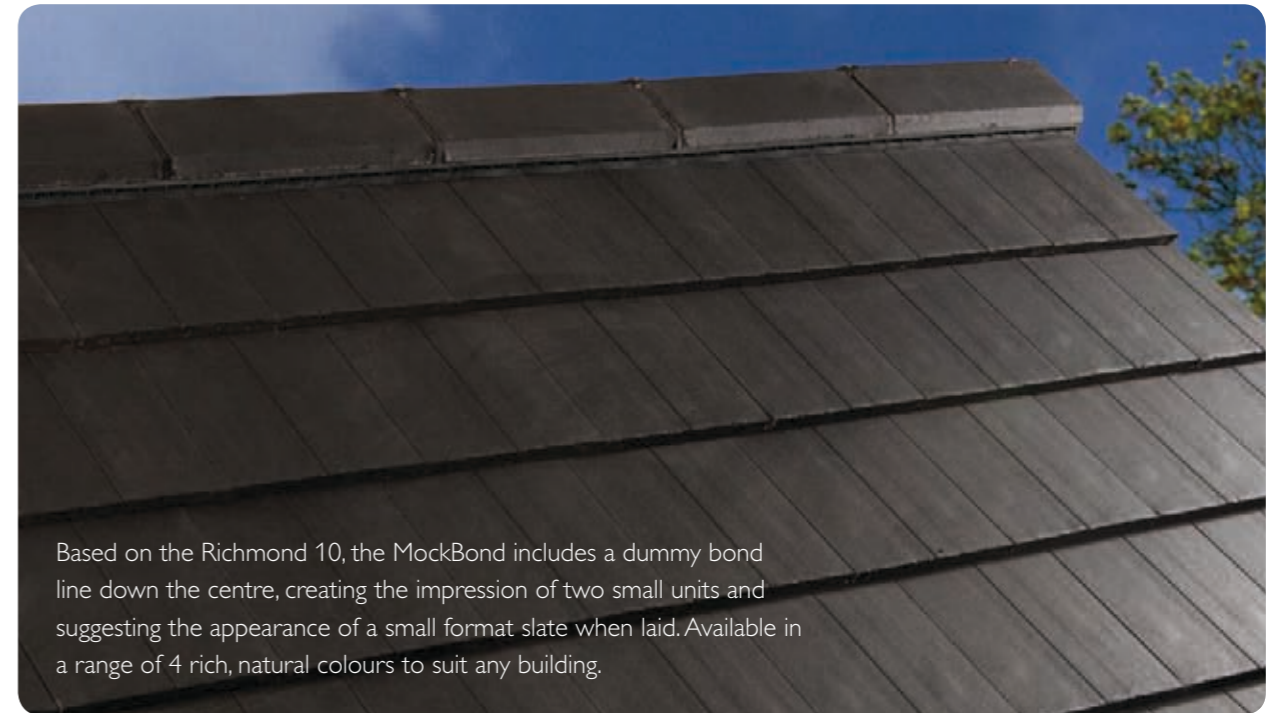
TECHNICAL DATA

Size (overall)	418 x 330 mm	
Minimum Pitch	17.5°	at 100mm headlap
	22.5°	at 75mm headlap
Maximum Pitch	90°	
Maximum Headlap	125mm	
Minimum Gauge/Batten Spacing	293mm	
Maximum Gauge/Batten Spacing	below 22.5°	318mm
	22.5° and over	343mm
Hanging Length	395mm	
Cover	Linear cover of one slate	300mm
	Covering capacity at maximum gauge (all figures are net and do not allow for wastage)	9.7 slates/m ²
Weight per 1000 at max gauge (approx)	4.6 - 4.78 tonnes†	
	45 kg/m ²	
per pallet, including pallet (approx)	1.01 - 1.05 tonnes†	
Battens Required at max gauge	2.92 m/m ²	
Batten Size	rafter centres up to 450mm	38 x 25mm
	rafter centres up to 600mm	50 x 25mm
Nails for Slates*	45 x 3.00 Aluminium Alloy	
	45 x 3.35 S/S Annular Ringshank	
Number of slates/Pallet	216	
Slates/Pack	36	
Packs/Pallet	6	

* dependent on fixing specification

† all weights nominal, range indicates coated - non coated product (latter inclusive of absorption)

Mockbond Richmond 10



Based on the Richmond 10, the MockBond includes a dummy bond line down the centre, creating the impression of two small units and suggesting the appearance of a small format slate when laid. Available in a range of 4 rich, natural colours to suit any building.

TECHNICAL DATA

Size (overall)	418 x 330 mm	
Minimum Pitch	17.5°	at 100mm headlap
Maximum Pitch	90°	
Maximum Headlap	125mm	
Minimum Gauge/Batten Spacing	293mm	
Maximum Gauge/Batten Spacing	318mm	
Hanging Length	395mm	
Cover	Linear cover of one slate	300mm
	Covering capacity at maximum gauge (all figures are net and do not allow for wastage)	10.5 slates/m ²
Weight per 1000 at max gauge (approx)	4.6 - 4.78 tonnes†	
	48 kg/m ²	
per pallet, including pallet (approx)	1.01 - 1.05 tonnes†	
Battens Required at max gauge	3.1 m/m ²	
Batten Size	rafter centres up to 450mm	38 x 25mm
	rafter centres up to 600mm	50 x 25mm
Nails for Slates*	45 x 3.00 Aluminium Alloy	
	45 x 3.35 S/S Annular Ringshank	
Number of slates/Pallet	216	
Slates/Pack	36	
Packs/Pallet	6	

* dependent on fixing specification

† all weights nominal, range indicates coated - non coated product (latter inclusive of absorption)

Components & Fixings

Components

To ensure optimum performance of a Slate 10 roof, Redland has developed a comprehensive range of attractive, cost effective and maintenance-free solutions.

DRY-FIX & VENTILATION

Dry-Fix systems eliminate the need for mortar bedding at key junctions on the roof and have a number of significant advantages:

- Secures the roof in severe weather conditions
- Eliminates mortar failure due to poor workmanship
- Quick and easy to fix, maintenance free
- Can be laid even when bad weather is expected
- Ventilation can be incorporated at the ridge
- Complies with BS 5534 for mechanical fixing and BS 5250 requirements for ventilation

The following Redland Dry-Fix and Ventilation products are designed for use with the Slate 10 range. In addition, products such as Rapid Flashing are also fully compatible with the full range.

Product or Junction	Product Code
Dry & DryVent Ridge	9059 (Universal Angle) 9058 (Half Round)
Rapid Vented Ridge	9308
Uni-Vent Rapid Ridge	9313
Ambi-Dry Verge	9550
Dry Hip	9047
Rapid Hip	9524
Eaves Vent Packs	9189 & 9190
RedVent 25 Vent	9593
Support Tray	9076
Top Edge Abutment	9548



To ensure that you are using and specifying the correct range of products, Redland offers its unique SpecMaster service. SpecMaster is a complete guaranteed roof specification service designed for your peace of mind. Features include tailored clauses in NBS-based format, fully compliant with all British Standards, and a 15 year design liability guarantee for all new build or re-roofing projects designed in accordance with SpecMaster. To obtain a SpecMaster go to www.redland.co.uk/specmaster

Fixings

For long lasting security against wind uplift, Slate 10 products may require a combination of nailing or clipping. To ensure correct fixing, Redland has developed a new range of nails and clips for the Slate 10 range.

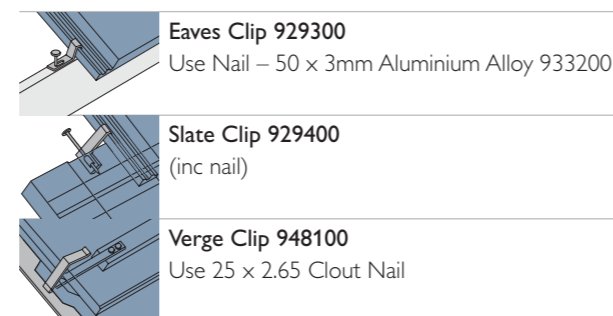
SINGLE NAIL HOLE & CLIPS

When developing Slate 10, Redland set out to achieve the best combination of weather performance coupled with a product that was easier to lay and fix. To achieve this combination of class-leading performance, the Slate 10 range uses only one nail-hole together with either an aluminium alloy or annular ringshank nail (dependent on fixing specification) for specifications where nailing is required. This not only ensures security against wind uplift, but also makes laying the product quicker and easier.

Slate Nail 935000
45 x 3.35mm S/S annular ring-shank

Slate Nail 933400
45 x 3.00mm aluminium alloy

Where a fixing specification requires the slates to be clipped, a range of Slate, Eaves and Verge Clips are available. The full range of Clips can be seen below.

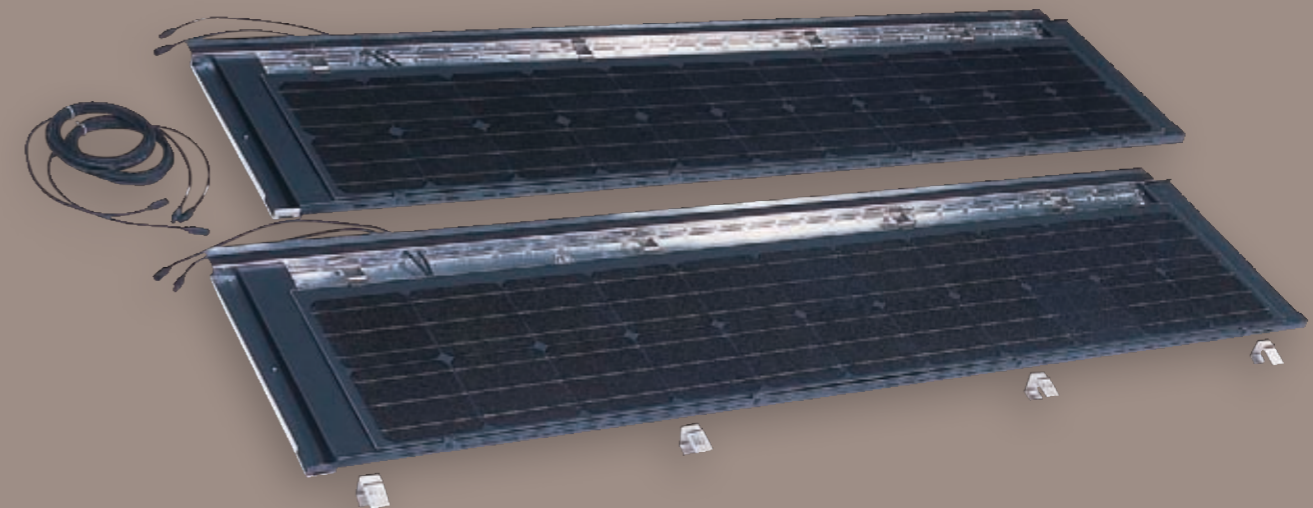


Redland's fixing specification service removes the potential for roof failure by offering a choice of either a fixing specification tailored to a specific roof design, or a generic fixing specification. Complete an online datasheet at www.redland.co.uk/fixmaster

Redland Solar PV Tile for Slate 10 Range



- A fully integrated PV solution in a single course of tiles that satisfies specifiers, planning authorities and installers alike with the system designed for good looks and ease of installation.
- Compatible with all products and colours in the Slate 10 range, including MockBond Richmond 10.
- Aluminium framing system provides fire resistance and greater durability than plastics used on less robust systems.
- Extensive testing to ensure weathertightness and resistance to winduplift; backed by superior technical services from the leading worldwide supplier of pitched roofing materials, resulting in our unique 15 year Redland Roof System Guarantee, combined with a 25 year Power Output Guarantee from our PV tile manufacturer.
- MCS certification will be available to ensure eligibility for use on Feed-in Tariff (FIT) schemes
- Solar PV Tiles are already available for Cambrian Slate, DuoPlain, Mini Stonewold, MockBond Mini Stonewold, Grovebury, Landmark Double Pantile, 50 Double Roman and Landmark Double Roman.





www.redland.co.uk

CUSTOMER SERVICE HOTLINE

For all sales enquiries/orders, call or fax the Redland Customer Service Hotline and you will be connected to the customer services representative dealing with your area.

Telephone 08705 601000*
Facsimile 08705 642742
E-mail sales.redland@monier.com

TECHNICAL SOLUTIONS HOTLINE

For technical enquiries please contact Technical Solutions directly.

Redland Technical Solutions, Monier Ltd, Broadway Lane,
South Cerney, Cirencester, Gloucestershire GL7 5UH

Telephone 08708 702595
Facsimile 08708 702596
E-mail technical.redland@monier.com

* When calling the Customer Service Hotline your telephone conversations may be recorded for training purposes.

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