Pocket guide

Guide to our complete pitched roofing solutions

bmigroup.com/uk
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From slates and profiled tiles to plain tiles in concrete, clay and lightweight metal roofing, we have a comprehensive range of roofing solutions carefully designed, tested and manufactured to give value, visual appeal and long-lasting weatherproof performance.

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- **Contents**
  - From slates and profiled tiles to plain tiles in concrete, clay and lightweight metal roofing, we have a comprehensive range of roofing solutions carefully designed, tested and manufactured to give value, visual appeal and long-lasting weatherproof performance.

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<table>
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<td>page 140-151</td>
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<td>page 152-159</td>
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<td>page 162-163</td>
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</tbody>
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What we stand for

A combination of Icopal and Redland, BMI is the UK and Ireland’s only solutions provider and manufacturer of both flat and pitched roofing, making us uniquely placed to support any building’s needs.

BMI UK & Ireland is a new name, backed-up with over 180 years of experience and knowledge. Bringing together the roofing expertise of industry-leading Redland and Icopal and their experience in the manufacture, specification and supply of pitched and flat roofing solutions. United to deliver excellence for our customers.

Our roofs cover all kinds of spaces – from where we live, work and learn, to where we rest, play or heal. We don’t see a roof for what it is, but for what it could become and how it can help inspire closer communities, build better businesses and enhance the lives of everyone.

Whether we are creating a hardwearing roof to resist the harshest extremes of weather, or one that actively works towards a more sustainable future, we are committed to providing peace of mind, progress and quality of life.

#itsneverjustaroof

Meeting your needs: complete system solutions

Our market-leading brands cover every roofing technology, so we can recommend the best solution for our customers’ needs.

Our philosophy is to look beyond just roofing products. Individually, our products offer exceptional performance. Working together, they offer unrivaled reliability and excellence.

That’s why we are committed to developing complete and integrated systems which combine technologies, products, components and accessories with specialist support, services, training and guarantees.

We ensure a perfect alignment of form, function and performance.
Shaping the pitched roofscape

The requirement for ever higher levels of performance and aesthetic appeal have had a dramatic effect on how we build pitched roofs.

We provide full roof solutions from roof tiles and underlays to eaves systems and ridges. All elements of our roofs are carefully designed, tested and manufactured to give value, visual appeal and a longlasting weather-tight performance.

Covering every flat roofing need

Perhaps one of the most prevalent architectural features of a modern building is the flat roof. However, while these systems have their own unique character, they also come with a unique set of requirements.

BMI has a proud heritage in waterproofing systems for flat roofing, so you can trust we'll provide a roof that protects your building against the UK’s worst weather conditions.

CONCRETE
Our wide choice of plain and profiled concrete tiles come in an extensive selection of colours and finishes and are suited to almost any pitched roof design.

CLAY
Our clay roof tiles combine an authentic and traditional look with strength and durability you can rely on.

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

COMPONENTS
We manufacture and supply all of the products needed to complete your roof from the ventilation to valleys, ridges and everything in-between.

METAL
Our lightweight steel roof tile systems are designed to deliver exceptional strength and weather resistance.

BITUMEN
Offering high quality systems suitable for a wide range of surfaces - from traditional membranes and underlays, to innovative flame retardant solutions. Our bitumen offer also includes hot melt solutions.

GREEN ROOFS
Benefit the environment through their positive impact on sustainability, biodiversity and the attenuation of storm water, whilst enhancing the landscape.

LIQUID WATERPROOFING
Our liquid waterproofing range of products are extremely versatile and can be used for flat roof applications of all shapes and sizes, ranging from small to large projects.

COMPLETE SYSTEMS
Full system accessories, fixtures and fittings are available to support all of our flat roofing systems, including insulation and rooflights and roofglazing.
A world of support and service

A roof is never just a roof.

While our roofs are there to protect what matters below, we are here to look after everything that matters around them. Just as our systems are never just about products, nor is our support just about the roof itself. Instead, it’s built around a number of factors: dedicated training, a greater choice of guarantees, full project, technical and local support.

Our 6-step process outlines how we achieve this with you:

- Consultation
- Design and specification
- Legislative compliance
- Contractor selection
- Project monitoring and sign-off
  (available for flat roofing projects only)
- System guarantee

Whether you require just partial support for your project or want to benefit from our complete specification service, our expert team are on hand to help ensure success for your roof.

As well as an unrivalled range of materials, components and systems, BMI UK & Ireland 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
Our 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 our website or speak to a member of our Technical Services Team on +44 (0) 330 123 4585
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, BMI 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.

<table>
<thead>
<tr>
<th>COLOUR KEY</th>
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<tbody>
<tr>
<td>Traditional</td>
</tr>
<tr>
<td>Heritage</td>
</tr>
<tr>
<td>Premier</td>
</tr>
<tr>
<td>Premier Plus</td>
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</tbody>
</table>

The slate range is priced according to colour and surface finish; slates are designated as Traditional, Heritage, Premier and Premier Plus.

### COLOUR KEY

<table>
<thead>
<tr>
<th>Cambrian Slate</th>
<th>Landmark 10 Slate</th>
<th>Saxon 10 Slate</th>
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<tbody>
<tr>
<td>Page no.</td>
<td>12-13</td>
<td>14-15</td>
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<tr>
<td>Min. pitch</td>
<td>15°</td>
<td>17.5°</td>
</tr>
<tr>
<td>Weight</td>
<td>17kg/m²</td>
<td>47kg/m²</td>
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<tr>
<td>Cover*</td>
<td>13.3 slates/m²</td>
<td>9.7 slates/m²</td>
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</table>

<table>
<thead>
<tr>
<th>Richmond 10 Slate</th>
<th>MockBond Richmond 10</th>
<th>Stonewold II</th>
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<td>Page no.</td>
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<td>20-21</td>
</tr>
<tr>
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<td>17.5°</td>
</tr>
<tr>
<td>Weight</td>
<td>47kg/m²</td>
<td>47kg/m²</td>
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<tr>
<td>Cover*</td>
<td>9.7 slates/m²</td>
<td>9.7 slates/m²</td>
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<table>
<thead>
<tr>
<th>Mini Stonewold</th>
<th>MockBond Mini Stonewold</th>
<th>Westminster Slate</th>
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</thead>
<tbody>
<tr>
<td>Page no.</td>
<td>24-245</td>
<td>26-27</td>
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<tr>
<td>Min. pitch</td>
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<td>17.5°</td>
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<tr>
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<td>51kg/m²</td>
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<tr>
<td>Cover*</td>
<td>9.9 slates/m²</td>
<td>9.9 slates/m²</td>
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</tbody>
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* Depends on headlap used. Refer to product pages for full technical information.
Cambrian Slate

KEY FEATURES AND ADVANTAGES
- Interlocking, reconstituted slate
- Riven surface and dressed edges
- Weathers like natural slate
- Four classic colours and finishes
- 60-year product guarantee
- Awarded BBA certification, number 874/1907

PRODUCT DETAILS

Size
300 x 336mm

Minimum pitch and headlap
15° at 75mm headlap / 25° at 50mm headlap
(The minimum pitch is based on a maximum rafter length of 10 metres. For rafter lengths greater than this, please contact Technical Services on +44 (0) 330 123 4585)

Maximum pitch (subject to fire resistance requirements 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 wastage)
Linear cover of 1 slate
300mm
14.8 slates/m² at 225mm gauge / 13.3 slates/m² at 250mm gauge

Weight
18kg/m² at 225mm gauge / 17kg/m² at 250mm gauge per pallet, including pallet (approx.)
0.76 tonnes per 1000
1.24 tonnes

Battens required (at max. gauge)
4.0m/m²

Batten size
Rafter centres up to 450mm
38 x 25mm
Rafter centres up to 600mm
50 x 25mm

Fixing clips
Eaves, verge & slate clips

Nail size for slates*
30 x 2.65mm (S/S)

Pallet quantities
Slates per pallet 600 / slates per pack 10 / packs per pallet 60

* (S/S) Stainless Steel Annular ring shanked

EVES PRODUCTS

RedVent EavesVent 350-450mm (6m) 9189
RedVent EavesVent 450-600mm (6m) 9190
Extension Trays 350-450mm (6m) 9498
Extension Trays 450-600mm (6m) 9499
Rapid EavesVent 2-in-1 Tray 9988
Rapid EavesVent Rafter Roll (6m) 9984
RedVent 25 Over-Fascia Vent (6m) 9593
Underlay Support Tray (1.5m) 9076

VERGE PRODUCTS

Ambi-Dry Verge II (10) 9488
Ambi-Dry Eaves/Ridge 9491

HIP PRODUCTS

Cambrian Mitred Hip II (10 courses) 9504
Dry Hip (2.7m) 9048
Continuous Hip (5m) 9503
Uni-Vent Rapid Ridge/ Hip (10m) 9313
Uni-Vent Rapid Hip Support Tray (1.2m) 9069
Universal Angle Hip/Ridge Junction 9520
Universal Angle Hip (without nail holes) 7777
Universal Angle Hip (with nail holes) 7778
Hip Iron 9258
Universal Angle Block-End Hip 7779
Mortar Bedded Fixing Kit 9314

VALLEY PRODUCTS

Cambrian GRP Valley (3m) 9553
Dry Valley (3m) 9575

ORNAMENTAL RIDGES & FINIALS
Please refer to pages 162-163

ABUTMENT PRODUCTS

Top Edge Abutment Ventilation (3m) 9548
Wakaflex Rapid Flashing (see pages 152-153) 9192
Abutment GRP Secret Gutter (3m) 9596
Bonding Gutter (Low Profile) (3m) 9580
Bonding Gutter (High Profile) (3m) 9578

RIDGE PRODUCTS

DryVent Ridge (2.7m) 9059
Uni-Vent Rapid Ridge/ Hip (10m) 9313
Continuous Ridge (5m) 9508
Ridge Vent Terminal 7254
Terminal Adaptor 9175
Flexible Pipe (100 to 100mm) 9172
Gas Flue Ridge Terminal 7242
Gas Flue Extension Adaptor 9143
Gas Flue Blanking Plates 9099
Universal Angle Ridge 7146
Hi-Pitch Universal Angle Ridge 7151
Universal Angle Block-End Ridge 7518
DryVent Monoridge (2.7m) 9084
Universal Angle Monoridge 7148
Universal Angle Block-End Monoridge LH 7297
Universal Angle Block-End Monoridge RH 7298
Universal Angle Monoridge End Cap LH 9778
Universal Angle Monoridge End Cap RH 9779
Mortar Bedded Fixing Kit 9314
Universal Angle Ridge End Cap 9773

VENTILATION TILES

4.5k ThruVent Tile 7705
Flexible Pipe (75 to 100mm) 9188
Hi-Flow ThruVent Tile 7349

FIXING

Eaves Clip and nails (50) 9192
Slate Clip and nails (100) 9196
Verge Clip and nails (20) 9193

OTHER ACCESSORIES
Slate Replacement Kit 9554
KEY FEATURES AND ADVANTAGES
- BMI Redland ColourFusion™ process ensures tiles keep their colour over long periods
- Thin leading edge, low profile tile with hidden interlock

PRODUCT DETAILS

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<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Size</td>
<td>418 x 330mm</td>
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<tr>
<td>Minimum pitch and headlap</td>
<td>17.5° at 100mm headlap / 22.5° at 75mm headlap</td>
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<tr>
<td>Maximum pitch (subject to fixing specification)</td>
<td>90°</td>
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<tr>
<td>Minimum headlap</td>
<td>75mm</td>
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<tr>
<td>Maximum headlap</td>
<td>125mm</td>
</tr>
<tr>
<td>Minimum gauge/batten spacing</td>
<td>293mm</td>
</tr>
<tr>
<td>Maximum gauge/batten spacing</td>
<td>below 22.5° 318mm / 22.5° and over 343mm</td>
</tr>
<tr>
<td>Hanging length (approx)</td>
<td>395mm</td>
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<tr>
<td>Cover (all figures are net and do not allow for wastage)</td>
<td>300mm</td>
</tr>
<tr>
<td>Linear cover of 1 slate</td>
<td>10.5 slates/m² at 318mm gauge / 9.7 slates/m² at 343mm gauge</td>
</tr>
<tr>
<td>Weight per pallet, including pallet (approx.)</td>
<td>51kg/m² at 318mm gauge / 47kg/m² at 343mm gauge</td>
</tr>
<tr>
<td>per 1000</td>
<td>1.03 tonnes</td>
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<tr>
<td>Battens required (at max. gauge)</td>
<td>2.92mm²</td>
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<tr>
<td>Batten size</td>
<td>Eaves, verge &amp; slate clips</td>
</tr>
<tr>
<td>Rafter centres up to 450mm</td>
<td>38 x 25mm</td>
</tr>
<tr>
<td>Rafter centres up to 600mm</td>
<td>50 x 25mm</td>
</tr>
<tr>
<td>Fixing clips</td>
<td></td>
</tr>
<tr>
<td>Nail size for slates*</td>
<td>45 x 3mm (A/A) 45 x 3.35mm (S/S)</td>
</tr>
<tr>
<td>Pallet quantities</td>
<td>Slates per pallet 210 / slates per pack 35 / packs per pallet 6</td>
</tr>
</tbody>
</table>

* (S/S) Stainless Steel Annular ring shanked (A/A) Aluminium Alloy

OCCIDENTIAL RIDGES & FINIALS
Please refer to pages 162-163
Saxon 10 Slate

KEY FEATURES AND ADVANTAGES
- Riven surface, chamfered side edges
- Thin front edge replicates features of natural products

PRODUCT DETAILS

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<tr>
<td>Cover (all figures are net and do not allow for wastage)</td>
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<tr>
<td>Linear cover of 1 slate</td>
<td>300mm</td>
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<td>Covering capacity</td>
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<td>Weight per pallet, including pallet (approx.)</td>
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<tr>
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* (S/S) Stainless Steel Annular ring shanked (A/A) Aluminium Alloy

SLATE
- Standard Slate (shown above)
- Half Slate Pair

UNDERLAYS
- Spirtech 400 2S underlay

EAVES PRODUCTS
- RedVent EavesVent 350-450mm (6m)
- RedVent EavesVent 450-600mm (6m)
- Extension Trays 350-450mm (6m)
- Extension Trays 450-600mm (6m)
- Rapid EavesVent 2-in-1 Tray
- Rapid EavesVent Rafter Roll (6m)
- RedVent 25 Over-Fascia Vent (6m)
- Underlay Support Tray (1.5m)

VERGE PRODUCTS
- DryVerge (Pack of 18 LH & 18 RH)
- DryVerge Gable End Pack
- Rapid DryVerge (Pack of 18 LH & 18 RH)
- Rapid DryVerge Gable End Pack

HIP PRODUCTS
- Dry Hip (2.7m)
- Continuous Hip (5m)
- Uni-Vent Rapid Ridge/Hip Support Tray (1.2m)
- Universal Angle Hip/Ridge Junction
- Universal Angle Hip (without nail holes)
- Universal Angle Hip (with nail holes)
- Universal Angle Block-End Hip

VALLEY PRODUCTS
- 125 GRP Valley (3m)
- Dry Valley (3m)
- Universal Valley Through Tile

ABUTMENT PRODUCTS
- Top Edge Abutment Ventilation (3m)
- Abutment GRP Secret Gutter (3m)
- Bonding Gutter (Low Profile) (3m)
- Bonding Gutter (High Profile) (3m)

RIDGE PRODUCTS
- DryVent Ridge (2.7m)
- Uni-Vent Rapid Ridge/Hip (10m)
- Continuous Ridge (5m)
- Universal Angle Ridge
- Universal Angle Block-End Ridge
- DryVent Monoridge (2.7m)
- Universal Angle Monoridge
- Universal Angle Monoridge End Cap LH
- Universal Angle Monoridge End Cap RH

VENTILATION TILES
- RedLine Vent Tile
- 8.8k ThruVent Tile
- Rapid Roof Vent Tile
- Rapid Roof Vent Adaptor
- Flexible Pipe (100 to 100mm)

FIXING
- Slate Clip and nail (100)
- Verge Clip
- Eaves Clip
- Slate Nails (Alum.Alloy) (1060)
- Slate Nails (Stainless Steel) (300)
- Eaves Clip Nails (812)
- Kro-Clip (50)
- Innofix Clip (500)

ORNAMENTAL RIDGES & FINIALS
- Please refer to pages 162-163
Richmond 10 Slate

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

PRODUCT DETAILS

<table>
<thead>
<tr>
<th>Size</th>
<th>418 x 330mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum pitch and headlap</td>
<td>17.5° at 100mm headlap / 22.5° at 75mm headlap</td>
</tr>
<tr>
<td>(The minimum pitch is based on a maximum rafter length of 10 metres. For rafter lengths greater than this, please contact Technical Services on +44 (0) 330 123 4585)</td>
<td></td>
</tr>
<tr>
<td>Maximum pitch (subject to fixing specification)</td>
<td>90°</td>
</tr>
<tr>
<td>Minimum headlap</td>
<td>75mm</td>
</tr>
<tr>
<td>Maximum headlap</td>
<td>125mm</td>
</tr>
<tr>
<td>Minimum gauge/batten spacing</td>
<td>293mm</td>
</tr>
<tr>
<td>Maximum gauge/batten spacing</td>
<td>below 22.5° 318mm / 22.5° and over 343mm</td>
</tr>
<tr>
<td>Hanging length (approx)</td>
<td>395mm</td>
</tr>
<tr>
<td>Cover (all figures are net and do not allow for wastage)</td>
<td>300mm</td>
</tr>
<tr>
<td>Linear cover of 1 slate</td>
<td>10.5 slates/m² at 318mm gauge / 9.7 slates/m² at 343mm gauge</td>
</tr>
<tr>
<td>Weight</td>
<td>51kg/m² at 318mm gauge / 47kg/m² at 343mm gauge per pallet, including pallet (approx.) 1.07 tonnes / 4.81 tonnes per 1000</td>
</tr>
<tr>
<td>Battens required (at max. gauge)</td>
<td>2.92mm²</td>
</tr>
<tr>
<td>Batten size</td>
<td>Rafter centres up to 450mm 38 x 25mm / Rafter centres up to 600mm 50 x 25mm</td>
</tr>
<tr>
<td>Fixing clips</td>
<td>Eaves, verge &amp; slate clips</td>
</tr>
<tr>
<td>Nail size for slates*</td>
<td>45 x 3mm (A/A) 45 x 3.35mm (S/S)</td>
</tr>
<tr>
<td>Pallet quantities</td>
<td>Slates per pallet 210 / slates per pack 35 / packs per pallet 6</td>
</tr>
</tbody>
</table>

* (S/S) Stainless Steel Annular ring shanked (A/A) Aluminium Alloy

SLATE
- Standard Slate (shown above) 4871
- Half Slate Pair 4872

UNDERLAYS
- Spiretech 400 2S underlay 9202

EAVES PRODUCTS
- RedVent EavesVent 350-450mm (6m) 9189
- RedVent EavesVent 450-600mm (6m) 9190
- Extension Trays 350-450mm (6m) 9498
- Extension Trays 450-600mm (6m) 9499
- Rapid EavesVent 2-in-1 Tray 9988
- Rapid EavesVent Rafter Roll (6m) 9984

HIP PRODUCTS
- Dry Hip (2.7m) 9047
- Continuous Hip (5m) 9524
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Universal Angle Hip (without nail holes) 7777
- Universal Angle Hip (with nail holes) 7778
- Hip Iron 9258
- Universal Angle Block-End Hip 7779

VERGE PRODUCTS
- DryVerge (Pack of 18 LH & 18 RH) 9392
- DryVerge Gable End Pack 9882
- Rapid DryVerge (Pack of 18 LH & 18 RH) 9593
- Rapid DryVerge Gable End Pack 9883

RIDGE PRODUCTS
- DryVent Ridge (2.7m) 9059
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Continuous Ridge (5m) 9308
- Ridge Vent Terminal 7254
- Terminal Adaptor 9175
- Flexible Pipe (100 to 100mm) 9172
- Gas Flue Ridge Terminal 7242
- Gas Flue Extension Adaptor 9143
- Gas Flue Blanking Plates 9099
- Universal Angle Ridge 7146
- Universal Angle Monoridge (2.7m) 9084
- Universal Angle Monoridge (3m) 9148
- Universal Angle Block-End Monoridge LH 7297
- Universal Angle Block-End Monoridge RH 7298
- Universal Angle Monoridge End Cap LH 9778
- Universal Angle Monoridge End Cap RH 9779
- Mortar Bedded Fixing Kit 9314
- Universal Angle Ridge End Cap 9773

VENTILATION TILES
- RedLine Vent Tile 9141
- 8.8k ThruVent Tile 7943
- Rapid Roof Vent Tile 9123
- Rapid Roof Vent Adaptor 9791
- Flexible Pipe (100 to 100mm) 9172

FIXING
- Slate Clip and nail (100) 9294
- Verge Clip 9481
- Eaves Clip 9293
- Slate Nails (Alum.Alloy) (1060) 9334
- Slate Nails (Stainless Steel) (300) 9350
- Eaves Clip Nails (812) 9338
- Kro-Clip (50) 9142
- Innovix Clip (500) 9825

ORNAMENTAL RIDGES & FINIALS
Please refer to pages 162-163
**MockBond Richmond 10 Slate**

**KEY FEATURES AND ADVANTAGES**
- Small slate appearance, but with speed and ease of larger format installation
- Low minimum pitch adds versatility

**PRODUCT DETAILS**

<table>
<thead>
<tr>
<th>Size</th>
<th>418 x 330mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum pitch and headlap</td>
<td>17.5° at 100mm headlap / 27.5° at 75mm headlap (The minimum pitch is based on a maximum rafter length of 10 metres. For rafter lengths greater than this, please contact Technical Services on +44 (0) 330 123 4585)</td>
</tr>
<tr>
<td>Maximum pitch (subject to fixing specification)</td>
<td>90°</td>
</tr>
<tr>
<td>Minimum headlap</td>
<td>75mm</td>
</tr>
<tr>
<td>Maximum headlap</td>
<td>125mm</td>
</tr>
<tr>
<td>Minimum gauge/batten spacing</td>
<td>293mm</td>
</tr>
<tr>
<td>Maximum gauge/batten spacing</td>
<td>below 27.5° 318mm / 27.5° and over 343mm</td>
</tr>
<tr>
<td>Hanging length (approx.)</td>
<td>395mm</td>
</tr>
<tr>
<td>Cover (all figures are net and do not allow for wastage)</td>
<td>300mm</td>
</tr>
<tr>
<td>Linear cover of 1 slate</td>
<td>10.5 slates/m² at 318mm gauge / 9.7 slates/m² at 343mm gauge</td>
</tr>
<tr>
<td>Weight per pallet, including pallet (approx.)</td>
<td>51kg/m² at 318mm gauge / 47kg/m² at 343mm gauge per 1000 / 1.07 tonnes / 4.81 tonnes</td>
</tr>
<tr>
<td>Battens required (at max. gauge)</td>
<td>2.92m/m²</td>
</tr>
<tr>
<td>Batten size</td>
<td>Rafter centres up to 450mm 38 x 25mm / Rafter centres up to 600mm 50 x 25mm</td>
</tr>
<tr>
<td>Fixing clips</td>
<td>Eaves, verge &amp; slate clips</td>
</tr>
<tr>
<td>Nail size for slates*</td>
<td>45 x 3mm (A/A) 45 x 3.35mm (S/S)</td>
</tr>
<tr>
<td>Pallet quantities</td>
<td>Slates per pallet 210 / slates per pack 35 / packs per pallet 6</td>
</tr>
</tbody>
</table>

* (S/S) Stainless Steel Annular ring shanked (A/A) Aluminium Alloy

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**SLATE**

- Standard Slate (shown above) 4881
- Half Slate Pair 4872

**UNDERLAYS**

- Siritex 400 2S underlay 9202

**EAVES PRODUCTS**

- RedVent EavesVent 350-450mm (6m) 9189
- RedVent EavesVent 450-600mm (6m) 9190
- Extension Trays 350-450mm (6m) 9498
- Extension Trays 450-600mm (6m) 9499
- Rapid EavesVent 2-in-1 Tray 9988
- Rapid EavesVent Rafter Roll (6m) 9984
- RedVent 25 Over-Fascia Vent (6m) 9593
- Underlay Support Tray (1.5m) 9076

**VERGE PRODUCTS**

- DryVerge (Pack of 18 LH & 18 RH) 9392
- DryVerge Gable End Pack 9882
- Rapid DryVerge (Pack of 18 LH & 18 RH) 9593
- Rapid DryVerge Gable End Pack 9883

**HIP PRODUCTS**

- DryHip (2.7m) 9047
- Continuous Hip (5m) 9524
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Continuous Ridge (5m) 9308
- Ridge Vent Terminal 7254
- Terminal Adaptor 9175
- Flexible Pipe (100 to 100mm) 9172
- Gas Flue Ridge Terminal 7242
- Gas Flue Extension Adaptor 9143
- Gas Flue Blanking Plates 9099
- Universal Angle Ridge 7146
- Hi-Pitch Universal Angle Ridge 7151
- Universal Angle Block-End Ridge 7518
- DryVent Monoridge (2.7m) 9084
- Universal Angle Monoridge 7148
- Universal Angle Block-End Monoridge LH 7297
- Universal Angle Block-End Monoridge RH 7298
- Universal Angle Monoridge End Cap LH 9778
- Universal Angle Monoridge End Cap RH 9779
- Mortar Bedded Fixing Kit 9314
- Universal Angle Ridge End Cap 9773

**VENTILATION TILES**

- RedLine Vent Tile 9141
- 8.8k ThruVent Tile 7943
- Rapid Roof Vent Tile 9123
- Flexible Pipe (100 to 100mm) 9172

**FIXING**

- Slate Clip and nail (100) 9294
- Verge Clip 9481
- Eaves Clip 9293
- Slate Nails (Alum.Alloy) (1060) 9334
- Slate Nails (Stainless Steel) (300) 9350
- Eaves Clip Nails (812) 9338
- Kro-Clip (50) 9142
- Innofix Clip (500) 9825

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**RIDGE PRODUCTS**

- DryVent Ridge (2.7m) 9059
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Continuous Ridge (5m) 9308
- Ridge Vent Terminal 7254
- Terminal Adaptor 9175
- Flexible Pipe (100 to 100mm) 9172
- Gas Flue Ridge Terminal 7242
- Gas Flue Extension Adaptor 9143
- Gas Flue Blanking Plates 9099
- Universal Angle Ridge 7146
- Hi-Pitch Universal Angle Ridge 7151
- Universal Angle Block-End Ridge 7518
- DryVent Monoridge (2.7m) 9084
- Universal Angle Monoridge 7148
- Universal Angle Block-End Monoridge LH 7297
- Universal Angle Block-End Monoridge RH 7298
- Universal Angle Monoridge End Cap LH 9778
- Universal Angle Monoridge End Cap RH 9779
- Mortar Bedded Fixing Kit 9314
- Universal Angle Ridge End Cap 9773

**ORNAMENTAL RIDGES & FINIALS**

Please refer to pages 162-163
Stonewold II

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

PRODUCT DETAILS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>430 x 380mm</td>
</tr>
<tr>
<td>Minimum pitch</td>
<td>17.5°</td>
</tr>
<tr>
<td>(The minimum pitch is based on a maximum rafter length of 10 metres. For rafter lengths greater than this, please contact Technical Services on +44 (0) 330 123 4585)</td>
<td></td>
</tr>
<tr>
<td>Maximum pitch (subject to fixing specification)</td>
<td>44°</td>
</tr>
<tr>
<td>Minimum headlap</td>
<td>75mm</td>
</tr>
<tr>
<td>Maximum headlap</td>
<td>125mm</td>
</tr>
<tr>
<td>Minimum gauge/batten spacing</td>
<td>305mm</td>
</tr>
<tr>
<td>Maximum gauge/batten spacing</td>
<td>355mm</td>
</tr>
<tr>
<td>Hanging length (approx)</td>
<td>379mm</td>
</tr>
<tr>
<td>Cover (all figures are net and do not allow for wastage)</td>
<td>343mm</td>
</tr>
<tr>
<td>Linear cover of 1 slate</td>
<td>8.2 slates/m² at 355mm gauge</td>
</tr>
<tr>
<td>Weight per pallet, including pallet (approx.) per 1000</td>
<td>0.87 tonnes</td>
</tr>
<tr>
<td>6.17 tonnes</td>
<td></td>
</tr>
<tr>
<td>Battens required (at max. gauge)</td>
<td>2.82m²/m²</td>
</tr>
<tr>
<td>Batten size</td>
<td></td>
</tr>
<tr>
<td>Rafter centres up to 450mm</td>
<td>38 x 25mm</td>
</tr>
<tr>
<td>Rafter centres up to 600mm</td>
<td>50 x 25mm</td>
</tr>
<tr>
<td>Fixing clips</td>
<td>Eaves, verge, slate &amp; double battening clips</td>
</tr>
<tr>
<td>Pallet quantities</td>
<td>Slates per pallet 132 / slates per pack 22 / packs per pallet 6</td>
</tr>
</tbody>
</table>

SLATE
- Standard Slate (shown above) 4161
- Half Slate Pair 4164

UNDERLAYS
- Spirtech 400 2S underlay 9202

EAVES PRODUCTS
- RedVent EavesVent 350-450mm (6m) 9189
- RedVent EavesVent 450-600mm (6m) 9190
- Extension Trays 350-450mm (6m) 9498
- Extension Trays 450-600mm (6m) 9499
- Rapid EavesVent 2-in-1 Tray 9988
- Rapid EavesVent Rafter Roll (6m) 9984
- RedVent 25 Over-Fascia Vent (6m) 9593
- Underlay Support Tray (1.5m) 9076

VERGE PRODUCTS
- Ambi-Dry Verge (10) 9576
- Ambi-Dry Eaves/Ridge 9495

HIP PRODUCTS
- Dry Hip (2.7m) 9046
- Continuous Hip (5m) 9028
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Uni-Vent Rapid Hip Support Tray (1.2m) 9069
- Universal Angle Hip/Ridge Junction 9520
- Universal Angle Hip (without nail holes) 7777
- Universal Angle Hip (with nail holes) 7778
- Hip Iron 9258
- Universal Angle Block-End Hip 7779
- Mortar Bedded Fixing Kit 9314

VALLEY PRODUCTS
- 125 GRP Valley (3m) 9595
- Dry Valley (3m) 9575
- Universal Valley Through Tile 7175

ORNAMENTAL RIDGES & FINIALS
Please refer to pages 162-163

ABUTMENT PRODUCTS
- Top Edge Abutment Ventilation (3m) 9548
- Wakaflex Rapid Flashing (see pages 152-153)
- Abutment GRP Secret Gutter (3m) 9596
- Bonding Gutter (Low Profile) (3m) 9580
- Bonding Gutter (High Profile) (3m) 9578

RIDGE PRODUCTS
- DryVent Ridge (2.7m) 9059
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Continuous Ridge (5m) 9308
- Ridge Vent Terminal 7254
- Terminal Adaptor 9175
- Flexible Pipe (100 to 100mm) 9172
- Gas Flue Ridge Terminal 7242
- Gas Flue Extension Adaptor 9143
- Gas Flue Blanking Plates 9099
- Universal Angle Ridge 7146
- Universal Angle Block-End Ridge 7518
- DryVent Monoridge (2.7m) 9084
- Universal Angle Monoridge 7148
- Universal Angle Block-End Monoridge LH 7297
- Universal Angle Block-End Monoridge RH 7298
- Universal Angle Monoridge End Cap LH 9778
- Universal Angle Monoridge End Cap RH 9779
- Mortar Bedded Fixing Kit 9314
- Universal Angle Ridge End Cap 9773

VENTILATION TILES
- 8.8k ThruVent Tile 7943
- Flexible Pipe (100 to 100mm) 9172

FIXING
- Slate Clip 9240
- Verge Clip 9297
- Eaves Clip 9296
- Eaves Clip Nails (812) 9338
- Double Battening Clip 9204
- Kro-Clip (50) 9142
- Head-Clip/C-Clip (50) 9518
**Mini Stonewold**

**KEY FEATURES AND ADVANTAGES**
- Low pitch capability
- Quick, simple installation reduces laid costs
- Range of seven natural colours

<table>
<thead>
<tr>
<th>PRODUCT DETAILS</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size</strong></td>
<td>418 x 334mm</td>
<td></td>
</tr>
<tr>
<td><strong>Minimum pitch and headlap</strong></td>
<td>17.5° at 100mm headlap / 22.5° at 75mm headlap</td>
<td></td>
</tr>
<tr>
<td>(The minimum pitch is based on a maximum rafter length of 10 metres. For rafter lengths greater than this, please contact Technical Services on +44 (0) 330 123 4585)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Maximum pitch (subject to fixing specification)</strong></td>
<td>90°</td>
<td></td>
</tr>
<tr>
<td><strong>Minimum headlap</strong></td>
<td>75mm</td>
<td></td>
</tr>
<tr>
<td><strong>Maximum headlap</strong></td>
<td>125mm</td>
<td></td>
</tr>
<tr>
<td><strong>Minimum gauge/batten spacing</strong></td>
<td>293mm</td>
<td></td>
</tr>
<tr>
<td><strong>Maximum gauge/batten spacing</strong> below 22.5°</td>
<td>318mm</td>
<td>22.5° and over 343mm</td>
</tr>
<tr>
<td><strong>Hanging length (approx.)</strong></td>
<td>397mm</td>
<td></td>
</tr>
<tr>
<td><strong>Cover (all figures are net and do not allow for wastage)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Linear cover of 1 slate</td>
<td>294mm</td>
<td></td>
</tr>
<tr>
<td><strong>Covering capacity</strong></td>
<td>10.7 slates/m² at 318mm gauge / 9.9 slates/m² at 343mm gauge</td>
<td></td>
</tr>
<tr>
<td><strong>Weight per pallet, including pallet (approx.)</strong></td>
<td>55kg/m² at 318mm gauge / 51kg/m² at 343mm gauge per 1000</td>
<td>1.16 tonnes</td>
</tr>
<tr>
<td>5.11 tonnes</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Battens required (at max. gauge)</strong></td>
<td>2.92m/m²</td>
<td></td>
</tr>
<tr>
<td><strong>Batten size</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rafter centres up to 450mm</td>
<td>38 x 25mm</td>
<td></td>
</tr>
<tr>
<td>Rafter centres up to 600mm</td>
<td>50 x 25mm</td>
<td></td>
</tr>
<tr>
<td><strong>Fixing clips</strong></td>
<td>Eaves, verge, valley &amp; slate clips</td>
<td></td>
</tr>
<tr>
<td><strong>Nail size for slates</strong></td>
<td>50 x 3.35mm (A/A)</td>
<td></td>
</tr>
<tr>
<td><strong>Pallet quantities</strong></td>
<td>Slates per pallet 216 / slates per pack 36 / packs per pallet 6</td>
<td></td>
</tr>
</tbody>
</table>

* (A/A) Aluminium Alloy

**SLATE**
- Standard Slate (shown above)
- Half Slate Pair

**UNDERLAYS**
- Spirtech 400 2S underlay

**EAVES PRODUCTS**
- RedVent EavesVent 350-450mm (6m)
- RedVent EavesVent 450-600mm (6m)
- Extension Trays 350-450mm (6m)
- Extension Trays 450-600mm (6m)
- Rapid EavesVent 2-in-1 Tray
- Rapid EavesVent Rafter Roll (6m)
- RedVent 2S Over-Fascia Vent (6m)
- Underlay Support Tray (1.5m)

**VERGE PRODUCTS**
- DryVerge (Pack of 18 LH & 18 RH)
- DryVerge Gable End Pack
- Rapid DryVerge (Pack of 18 LH & 18 RH)
- Rapid DryVerge Gable End Pack

**HIP PRODUCTS**
- DryHip (2.7m)
- Continuous Hip (5m)
- Uni-Vent Rapid Ridge/Hip (10m)
- Universal Angle Ridge
- Universal Angle Block-End Ridge
- RedVent Monoridge (2.7m)
- Universal Angle Monoridge
- Universal Angle Monoridge End Cap LH
- Universal Angle Monoridge End Cap RH
- Mortar Bedded Fixing Kit
- Universal Angle Ridge End Cap

**VENTILATION TILES**
- RedLine Vent Tile
- 8.8k ThruVent Tile
- Rapid Roof Vent Tile
- Rapid Roof Vent Adaptor
- Flexible Pipe (100 to 100mm)

**FIXING**
- Slate Clip
- Storm Clip and nails (100)
- Verge Clip (25)
- Eaves Clip
- Kro-Clip (50)
- Innofix Clip (500)

**ORNAMENTAL RIDGES & FINIALS**
- Please refer to pages 162-163

**ABUTMENT PRODUCTS**
- Top Edge Abutment Ventilation (3m)
- Wakaflex Rapid Flashing (see pages 152-153)
- Abutment GRP Secret Gutter (3m)
- Bonding Gutter (Low Profile) (3m)
- Bonding Gutter (High Profile) (3m)

**RIDGE PRODUCTS**
- DryVent Ridge (2.7m)
- Uni-Vent Rapid Ridge/Hip (10m)
- Continuous Ridge (5m)
- Ridge Vent Terminal
- Terminal Adaptor
- Flexible Pipe (100 to 100mm)
- Gas Flue Ridge Terminal
- Gas Flue Extension Adaptor
- Universal Angle Ridge
- Universal Angle Block-End Ridge
- RedVent Monoridge (2.7m)
- Universal Angle Monoridge
- Universal Angle Monoridge End Cap LH
- Universal Angle Monoridge End Cap RH
- Mortar Bedded Fixing Kit
- Universal Angle Ridge End Cap

**UNDERLAYS**
- Abutment GRP Secret Gutter (3m)
- Bonding Gutter (Low Profile) (3m)
- Bonding Gutter (High Profile) (3m)

**EAVES PRODUCTS**
- Bonding Gutter (Low Profile) (3m)
- Bonding Gutter (High Profile) (3m)

**VERGE PRODUCTS**
- Bonding Gutter (Low Profile) (3m)
- Bonding Gutter (High Profile) (3m)

**HIP PRODUCTS**
- Bonding Gutter (Low Profile) (3m)
- Bonding Gutter (High Profile) (3m)

**VENTILATION TILES**
- Bonding Gutter (Low Profile) (3m)
- Bonding Gutter (High Profile) (3m)

**FIXING**
- Bonding Gutter (Low Profile) (3m)
- Bonding Gutter (High Profile) (3m)

**ORNAMENTAL RIDGES & FINIALS**
- Please refer to pages 162-163

**ABUTMENT PRODUCTS**
- Top Edge Abutment Ventilation (3m)
- Wakaflex Rapid Flashing (see pages 152-153)
- Abutment GRP Secret Gutter (3m)
- Bonding Gutter (Low Profile) (3m)
- Bonding Gutter (High Profile) (3m)

**RIDGE PRODUCTS**
- DryVent Ridge (2.7m)
- Uni-Vent Rapid Ridge/Hip (10m)
- Continuous Ridge (5m)
- Ridge Vent Terminal
- Terminal Adaptor
- Flexible Pipe (100 to 100mm)
- Gas Flue Ridge Terminal
- Gas Flue Extension Adaptor
- Universal Angle Ridge
- Universal Angle Block-End Ridge
- RedVent Monoridge (2.7m)
- Universal Angle Monoridge
- Universal Angle Monoridge End Cap LH
- Universal Angle Monoridge End Cap RH
- Mortar Bedded Fixing Kit
- Universal Angle Ridge End Cap

**VENTILATION TILES**
- RedLine Vent Tile
- 8.8k ThruVent Tile
- Rapid Roof Vent Tile
- Rapid Roof Vent Adaptor
- Flexible Pipe (100 to 100mm)

**FIXING**
- Slate Clip
- Storm Clip and nails (100)
- Verge Clip (25)
- Eaves Clip
- Kro-Clip (50)
- Innofix Clip (500)
MockBond Mini Stonewold

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

**PRODUCT DETAILS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>418 x 334mm</td>
</tr>
<tr>
<td>Minimum pitch and headlap</td>
<td>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 Technical Services on +44 (0) 330 123 4585)</td>
</tr>
<tr>
<td>Maximum pitch (subject to fixing specification)</td>
<td>90°</td>
</tr>
<tr>
<td>Minimum headlap</td>
<td>75mm</td>
</tr>
<tr>
<td>Maximum headlap</td>
<td>125mm</td>
</tr>
<tr>
<td>Minimum gauge/batten spacing</td>
<td>293mm</td>
</tr>
<tr>
<td>Maximum gauge/batten spacing</td>
<td>below 22.5° 318mm / 22.5° and over 343mm</td>
</tr>
<tr>
<td>Hanging length (approx.)</td>
<td>397mm</td>
</tr>
<tr>
<td>Cover (all figures are net and do not allow for wastage)</td>
<td>294mm</td>
</tr>
<tr>
<td>Linear cover of 1 slate</td>
<td>294mm</td>
</tr>
<tr>
<td>Covering capacity</td>
<td>10.7 slates/m² at 318mm gauge / 9.9 slates/m² at 343mm gauge</td>
</tr>
<tr>
<td>Weight per pallet, including pallet (approx.)</td>
<td>55kg/m² at 318mm gauge / 51kg/m² at 343mm gauge</td>
</tr>
<tr>
<td>Battens required (at max. gauge)</td>
<td>2.92m/m²</td>
</tr>
<tr>
<td>Batten size</td>
<td></td>
</tr>
<tr>
<td>Rafter centres up to 450mm</td>
<td>38 x 25mm</td>
</tr>
<tr>
<td>Rafter centres up to 600mm</td>
<td>50 x 25mm</td>
</tr>
<tr>
<td>Fixing clips</td>
<td>Eaves, verge, valley &amp; slate clips</td>
</tr>
<tr>
<td>Nail size for slates*</td>
<td>50 x 3.35mm (A/A)</td>
</tr>
<tr>
<td>Pallet quantities</td>
<td>Slates per pallet 216 / slates per pack 36 / packs per pallet 6</td>
</tr>
</tbody>
</table>

* (A/A) Aluminium Alloy

---

**SLATE**
- Standard Slate (shown above) 4271
- Half Slate Pair 4263

**UNDERLAYS**
- Spirtech 400 2S underlay 9202

**EAVES PRODUCTS**
- RedVent EavesVent 350-450mm (6m) 9189
- RedVent EavesVent 450-600mm (6m) 9190
- Extension Trays 350-450mm (6m) 9498
- Extension Trays 450-600mm (6m) 9499
- Rapid EavesVent 2-in-1 Tray 9988
- Rapid EavesVent Rafter Roll (6m) 9984
- RedVent 25 Over-Fascia Vent (6m) 9593
- Underlay Support Tray (1.5m) 9076

**VERGE PRODUCTS**
- DryVerge (Pack of 18 LH & 18 RH) 9390
- DryVerge Gable End Pack 9880
- Rapid DryVerge (Pack of 18 LH & 18 RH) 9591
- Rapid DryVerge Gable End Pack 9881

**HIP PRODUCTS**
- Dry Hip (2.7m) 9046
- Continuous Hip (5m) 9028
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Uni-Vent Rapid Hip Support Tray (1.2m) 9069
- Universal Angle Hip/Ridge Junction 9520
- Universal Angle Hip (without nail holes) 7777
- Universal Angle Hip (with nail holes) 7778
- Hip Iron 9258
- Universal Angle Block-End Hip 7779
- Mortar Bedded Fixing Kit 9314

**VALLEY PRODUCTS**
- 125 GRP Valley (3m) 9595
- Dry Valley (3m) 9575
- Universal Valley Through Tile 7175

**ABUTMENT PRODUCTS**
- Top Edge Abutment Ventilation (3m) 9548
- Wakaflex Rapid Flashing (see pages 152-153)

**UNDERLAYS**
- Abutment GRP Secret Gutter (3m) 9596
- Bonding Gutter (Low Profile) (3m) 9580
- Bonding Gutter (High Profile) (3m) 9578

**RIDGE PRODUCTS**
- DryVent Ridge (2.7m) 9059
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Continuous Ridge (5m) 9308
- Ridge Vent Terminal 7254
- Terminal Adaptor 9175
- Flexible Pipe (100 to 100mm) 9172
- Gas Flue Ridge Terminal 7242
- Gas Flue Extension Adaptor 9143

**EAVES PRODUCTS**
- RedVent EavesVent 450-600mm (6m) 9190
- DryVent Gable End Pack 9880
- Rapid DryVerge (Pack of 18 LH & 18 RH) 9591
- Rapid DryVerge Gable End Pack 9881

**VERGE PRODUCTS**
- DryVerge (Pack of 18 LH & 18 RH) 9390
- DryVerge Gable End Pack 9880
- Rapid DryVerge (Pack of 18 LH & 18 RH) 9591
- Rapid DryVerge Gable End Pack 9881

**HIP PRODUCTS**
- Dry Hip (2.7m) 9046
- Continuous Hip (5m) 9028
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Uni-Vent Rapid Hip Support Tray (1.2m) 9069
- Universal Angle Hip/Ridge Junction 9520
- Universal Angle Hip (without nail holes) 7777
- Universal Angle Hip (with nail holes) 7778
- Hip Iron 9258
- Universal Angle Block-End Hip 7779
- Mortar Bedded Fixing Kit 9314
- Universal Angle Block-End Cap 9773

**VENTILATION TILES**
- RedLine Vent Tile 9118
- 8.8k ThruVent Tile 7935
- Rapid Roof Vent Tile 9124

**FIXING**
- Slate Clip 9185
- Storm Clip and nails (100) 9530
- Verge Clip (25) 9529
- Eaves Clip 9186
- Slate and Eaves Clip Nails (812) 9338
- Kro-Clip (50) 9142
- Innofix Clip (500) 9824
Westminster Slate

**KEY FEATURES AND ADVANTAGES**
- Engineered clay slate with hidden interlock
- Tapered leading edge for an exceptionally thin appearance
- For pitches as low as 17.5°

**PRODUCT DETAILS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size</strong></td>
<td>480 x 326mm</td>
</tr>
<tr>
<td><strong>Minimum pitch</strong></td>
<td>17.5° (The minimum pitch is based on a maximum rafter length of 10 metres. For rafter lengths greater than this, please contact Technical Services on +44 (0) 330 123 4585)</td>
</tr>
<tr>
<td><strong>Maximum pitch</strong> (subject to fixing specification)</td>
<td>90°</td>
</tr>
<tr>
<td><strong>Minimum headlap</strong></td>
<td>110mm</td>
</tr>
<tr>
<td><strong>Maximum headlap</strong></td>
<td>140mm</td>
</tr>
<tr>
<td><strong>Minimum gauge/batten spacing</strong></td>
<td>340mm</td>
</tr>
<tr>
<td><strong>Maximum gauge/batten spacing</strong></td>
<td>370mm</td>
</tr>
<tr>
<td><strong>Hanging length (approx.)</strong></td>
<td>452mm</td>
</tr>
<tr>
<td><strong>Cover (all figures are net and do not allow for wastage)</strong></td>
<td>280mm</td>
</tr>
<tr>
<td><strong>Linear cover of 1 slate</strong></td>
<td>10.5 slates/m² at 340mm gauge / 9.7 slates/m² at 370mm gauge</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>51kg/m² at 340mm gauge / 47kg/m² at 370mm gauge per pallet, including pallet (approx.) per 1000: 1.06 tonnes, 4.90 tonnes</td>
</tr>
<tr>
<td><strong>Battens required (at max. gauge)</strong></td>
<td>2.7m²/m²</td>
</tr>
<tr>
<td><strong>Batten size</strong></td>
<td>Rafter centres up to 450mm 38 x 25mm</td>
</tr>
<tr>
<td><strong>Fixing clips</strong></td>
<td>Eaves, verge &amp; slate clips</td>
</tr>
<tr>
<td><strong>Nail size for slates</strong></td>
<td>55 x 2.65mm (S/S)</td>
</tr>
<tr>
<td><strong>Pallet quantities</strong></td>
<td>Slates per pallet 210 / slates per pack 5 / packs per pallet 42</td>
</tr>
</tbody>
</table>

* (S/S) Stainless Steel Annular ring shanked

**SLATE**
- Standard Slate 5931
- Left-hand Verge Slate 5932
- Left-hand Half Slate 5933
- Right-hand Half Slate 5934

**UNDERLAYS**
- Spirtech 400 2S underlay 9202

**EAVES PRODUCTS**
- RedVent EavesVent 350-450mm (6m) 9189
- RedVent EavesVent 450-600mm (6m) 9190
- Extension Trays 350-450mm (6m) 9498
- Extension Trays 450-600mm (6m) 9499
- Rapid EavesVent 2-in-1 Tray 9988
- Rapid EavesVent Rafter Roll (6m) 9984
- RedVent 25 Over-Fascia Vent (6m) 9593
- Underlay Support Tray (1.5m) 9076

**HIP PRODUCTS**
- Continuous Hip (5m) 9870
- Uni-Vent Rapid Hip/Ridge (10m) 9313
- Uni-Vent Rapid Hip Support Tray (1.2m) 9069
- Universal Angle Hip/Ridge Junction 9520
- Third Round Hip/Ridge Junction 9521
- Clay Universal Angle Hip (without nail holes) 8467
- Clay Universal Angle Hip (with nail holes) 8468
- Rosemary Third Round Hip (without nail holes) 8454
- Rosemary Third Round Hip (with nail holes) 8455
- Hip Iron 9258
- Mortar Bedded Fixing Kit 9314
- Universal Angle Hip End Cap 9704
- Third Round Hip End Cap 9712

**VALLEY PRODUCTS**
- 125 GRP Valley (3m) 9595
- Dry Valley (3m) 9575

**ABUTMENT PRODUCTS**
- Top Edge Abutment Ventilation (3m) 9548
- Wakaflex Rapid Flashing (see pages 152-153)
- Abutment GRP Secret Gutter (3m) 9596
- Bonding Gutter (Low Profile) (3m) 9580
- Bonding Gutter (High Profile) (3m) 9578

**RIDGE PRODUCTS**
- DryVent Ridge (Universal Angle) (2.7m) 9059
- DryVent Ridge (Rosemary Half Round) (1.8m) 9056
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Continuous Ridge (Universal Angle) (5m) 9308
- Clay Universal Angle Ridge 8466
- Rosemary Half Round Ridge 8450
- Half Round Ridge End Cap 9772

**VENTILATION TILES**
- 8.8k ThruVent Tile 7850
- Flexible Pipe (100 to 100mm) 9172

**FIXING**
- Verge Clip (25) 9529
- Eaves Clip (100) 9824
- Tile Nail (Stainless Steel) (390) 9638
- Eaves Clip Nail (812) 9338
- Kro-Clip (50) 9142
- Innofix Clip (500) 9822

**ORNAMENTAL RIDGES & FINIALS**
Please refer to pages 162-163

[Images of City Black, Cardinal Red, Old College Red]
Plain tile range

The name ‘plain’ does not give credit to 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 BMI 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.

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

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

---

### Rosemary Clay Craftsman

<table>
<thead>
<tr>
<th>Page no.</th>
<th>32-33</th>
<th>34-35</th>
<th>36-37</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. pitch</td>
<td>35°</td>
<td>35°</td>
<td>35°</td>
</tr>
<tr>
<td>Weight</td>
<td>77kg/m²</td>
<td>77kg/m²</td>
<td>75kg/m²</td>
</tr>
<tr>
<td>Cover*</td>
<td>60 tiles/m²</td>
<td>60 tiles/m²</td>
<td>60 tiles/m²</td>
</tr>
</tbody>
</table>

### Rosemary Clay Classic

<table>
<thead>
<tr>
<th>Page no.</th>
<th>32-33</th>
<th>34-35</th>
<th>36-37</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. pitch</td>
<td>35°</td>
<td>35°</td>
<td>35°</td>
</tr>
<tr>
<td>Weight</td>
<td>77kg/m²</td>
<td>77kg/m²</td>
<td>75kg/m²</td>
</tr>
<tr>
<td>Cover*</td>
<td>60 tiles/m²</td>
<td>60 tiles/m²</td>
<td>60 tiles/m²</td>
</tr>
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</table>

### Heathland

<table>
<thead>
<tr>
<th>Page no.</th>
<th>38-39</th>
<th>40-41</th>
<th>42-43</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. pitch</td>
<td>35°</td>
<td>25°</td>
<td>20°†</td>
</tr>
<tr>
<td>Weight</td>
<td>75kg/m²</td>
<td>54kg/m²</td>
<td>52kg/m²</td>
</tr>
<tr>
<td>Cover*</td>
<td>60 tiles/m²</td>
<td>17.7 tiles/m²</td>
<td>19.6 tiles/m²</td>
</tr>
</tbody>
</table>

* Depends on headlap used. Refer to product pages for full technical information.
† 15° in certain circumstances. For more information contact Technical Services on +44 (0) 330 123 4585.
Rosemary Clay Craftsman

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

PRODUCT DETAILS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>265 x 165mm</td>
</tr>
<tr>
<td>Minimum pitch</td>
<td>35°</td>
</tr>
<tr>
<td>Maximum pitch (subject to fixing specification)</td>
<td>90°</td>
</tr>
<tr>
<td>Minimum headlap below 90°</td>
<td>65mm / at 90° 35mm</td>
</tr>
<tr>
<td>Maximum headlap below 90°</td>
<td>88mm</td>
</tr>
<tr>
<td>Minimum gauge/batten spacing below 90°</td>
<td>88mm</td>
</tr>
<tr>
<td>Maximum gauge/batten spacing below 90°</td>
<td>100mm / at 90° 115mm</td>
</tr>
<tr>
<td>Hanging length (approx.)</td>
<td>254mm</td>
</tr>
<tr>
<td>Cover (all figures are net and do not allow for wastage)</td>
<td>165mm</td>
</tr>
<tr>
<td>Linear cover of 1 tile</td>
<td>below 90° 60 tiles/m² / at 90° 52 tiles/m²</td>
</tr>
<tr>
<td>Weight per pallet, including pallet (approx.) per 1000</td>
<td>below 90° 77kg/m² / at 90° 67kg/m²</td>
</tr>
<tr>
<td>Battens required (at max. gauge)</td>
<td>below 90° 10.0m²/m²</td>
</tr>
<tr>
<td>Batten size</td>
<td>38 x 25mm</td>
</tr>
<tr>
<td>Nail size for tiles*</td>
<td>40 x 2.65mm (A/A)</td>
</tr>
<tr>
<td>Pallet quantities</td>
<td>Tiles per pallet 720 / tiles per pack 12 / packs per pallet 60</td>
</tr>
</tbody>
</table>

* (A/A) Aluminium Alloy

TILES
- Standard Tile (shown above) 6921
- Eaves/Top Tile 6924
- Tile-and-a-half 6929

UNDERLAYS
- Spintech 400 25 underlay 9202

EAVES PRODUCTS
- RedVent EavesVent 350-450mm (6m) 9189
- RedVent EavesVent 450-600mm (6m) 9190
- Extension Trays 350-450mm (6m) 9498
- Extension Trays 450-600mm (6m) 9499
- Rapid EavesVent 2-in-1 Tray 9988
- Rapid EavesVent Rafter Roll (6m) 9984
- RedVent 25 Over-Fascia Vent (6m) 9593
- Underlay Support Tray (1.5m) 9076

HIP PRODUCTS
- Dry Hip (2.7m) 9047
- Continuous Hip (5m) 9524
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Uni-Vent Rapid Hip Support Tray (1.2m) 9069
- Third Round Hip/Ridge Junction 9521
- Bonnet Hip Tile 35° - 50° 8430
- Third Round Hip (without nail holes) 8454
- Third Round Hip (with nail holes) 8455
- Hip Iron 9258
- Baby Ridge 8482
- Mortar Bedded Fixing Kit 9314
- Hip End Cap Third Round 9712

VALLEY PRODUCTS
- Angular Valley Tile 35° 8431
- Angular Valley Tile 40° - 50° 8437
- GRP 125 Valley (3m) 9595
- Dry Valley (3m) 9574

ABUTMENT PRODUCTS
- Top Edge Abutment Ventilation (3m) 9548
- Wakaflex Rapid Flashing (see pages 152-153)
- Bonding Gutter (3m) 9578

RIDGE PRODUCTS
- DryVent Ridge (1.8m) 9056
- Half Round Ridge 8450
- Mortar Bedded Fixing Kit 9314

VENTILATION TILES
- RedLine Plain Tile Vent 9119
- RedLine Vent Adaptor 9175
- Flexible Pipe (100 to 100mm) 9172

EXTERNAL VERTICAL ANGLES
- External Angle 90° LH 8441
- External Angle 90° RH 8440

FIXING
- Tile Nail (1596) 9331
- Kro-Clip (50) 9142

ORNAMENTAL TILES
Ridges & Finials
Please refer to pages 162-163
Rosemary Clay Classic

KEY FEATURES AND ADVANTAGES
- BMI Redland Rosemary brand synonymous with clay plain tiles
- Smooth and sanded finishes
- Mellows naturally with age

PRODUCT DETAILS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>265 x 165mm</td>
</tr>
<tr>
<td>Minimum pitch</td>
<td>35°</td>
</tr>
<tr>
<td>Maximum pitch (subject to fixing specification)</td>
<td>90°</td>
</tr>
<tr>
<td>Minimum headlap below 90°</td>
<td>65mm</td>
</tr>
<tr>
<td>Maximum headlap at 90°</td>
<td>35mm</td>
</tr>
<tr>
<td>Minimum gauge/batten spacing below 90°</td>
<td>100mm</td>
</tr>
<tr>
<td>Maximum gauge/batten spacing at 90°</td>
<td>115mm</td>
</tr>
<tr>
<td>Hanging length (approx)</td>
<td>254mm</td>
</tr>
<tr>
<td>Cover (all figures are net and do not allow for wastage)</td>
<td>165mm</td>
</tr>
<tr>
<td>Linear cover of 1 tile</td>
<td>below 90° 60 tiles/m² / at 90° 52 tiles/m²</td>
</tr>
<tr>
<td>Weight per pallet, including pallet (approx.) per 1000</td>
<td>below 90° 77kg/m² / at 90° 67kg/m²</td>
</tr>
<tr>
<td>Battens required (at max. gauge)</td>
<td>below 90° 10.0m²</td>
</tr>
<tr>
<td>Batten size</td>
<td>38 x 25mm</td>
</tr>
<tr>
<td>Nail size for tiles*</td>
<td>40 x 2.65mm (A/A)</td>
</tr>
<tr>
<td>Pallet quantities</td>
<td>Tiles per pallet 840 / tiles per pack 14 / packs per pallet 60</td>
</tr>
</tbody>
</table>

*(A/A) Aluminium Alloy

TILES
- Standard Tile (shown above) As per colour
  - Rosemary Red 6501
  - Rosemary Russet Mix 6701
  - Rosemary Light, Medium Mixed & Blue Brindle 6801
  - Rosemary Burnt Blend / Dark Antique 6601
  - Rosemary Heather Brindle 6601

Eaves/Top Tile As per colour
- Rosemary Red 6504
- Rosemary Russet Mix 6704
- Rosemary Light, Medium Mixed & Blue Brindle 6804
- Rosemary Burnt Blend / Dark Antique 6604
- Rosemary Heather Brindle 6604

Tile-and-a-half As per colour
- Rosemary Red 6509
- Rosemary Russet Mix 6709
- Rosemary Light, Medium Mixed & Blue Brindle 6809
- Rosemary Burnt Blend / Dark Antique 6609
- Rosemary Heather Brindle 6609

HIP PRODUCTS
- Dry Hip (2.7m) 9047
- Continuous Hip (5m) 9524
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Uni-Vent Rapid Hip Support Tray (1.2m) 9069
- Third Round Hip/Ridge Junction 9521
- Bonnet Hip Tile 35˚-50˚ 8430
- Arris Hip 35˚ 8411
- Arris Hip 40˚ 8412
- Arris Hip 45˚ 8413
- Arris Hip 50˚ 8414
- Third Round Hip (without nail holes) 8454
- Third Round Hip (with nail holes) 8455
- Hip Iron 9258
- Baby Ridge 8482
- Mortar Bedded Fixing Kit 9314
- Hip End Cap Third Round 9712

VALLEY PRODUCTS
- Angular Valley Tile 35˚ 8431
- Angular Valley Tile 40˚-50˚ 8437
- GRP 125 Valley (3m) 9595
- Dry Valley (3m) 9574

ABUTMENT PRODUCTS
- Top Edge Abutment Ventilation (3m) 9548
- Wakaflex Rapid Flashing (see pages 152-153) 9578
- Bonding Gutter (3m) 9578

RIDGE PRODUCTS
- DryVent Ridge (1.8m) 9056
- Half Round Ridge 8450
- Mortar Bedded Fixing Kit 9314

VENTILATION TILES
- RedLine Plain Tile Vent 9119
- RedLine Vent Adaptor 9175
- Flexible Pipe (100 to 100mm) 9172

EXTERNAL VERTICAL ANGLES
- External Angle 90˚ LH 8441
- External Angle 90˚ RH 8440

FIXING
- Tile Nail (1596) 9331
- Kro-Clip (50) 9142

ORNAMENTAL TILES
RIDGES & FINIALS
Please refer to pages 162-163
KEY FEATURES AND ADVANTAGES

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

PRODUCT DETAILS

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>264 x 165mm</td>
</tr>
<tr>
<td>Minimum pitch</td>
<td>35°</td>
</tr>
<tr>
<td>Maximum pitch (subject to fixing specification)</td>
<td>90°</td>
</tr>
<tr>
<td>Minimum headlap</td>
<td>below 90° 65mm / at 90° 35mm</td>
</tr>
<tr>
<td>Maximum headlap</td>
<td>88mm</td>
</tr>
<tr>
<td>Minimum gauge/batten spacing</td>
<td>88mm</td>
</tr>
<tr>
<td>Maximum gauge/batten spacing</td>
<td>below 90° 100mm / at 90° 115mm</td>
</tr>
<tr>
<td>Hanging length (approx)</td>
<td>244mm</td>
</tr>
<tr>
<td>Cover (all figures are net and do not allow for wastage)</td>
<td>165mm</td>
</tr>
<tr>
<td>Linear cover of 1 tile</td>
<td>below 90° 60 tiles/m² / at 90° 52 tiles/m²</td>
</tr>
<tr>
<td>Weight per pallet, including pallet (approx.)</td>
<td>below 90° 75kg/m² / at 90° 65kg/m²</td>
</tr>
<tr>
<td>per 1000</td>
<td>1.01 tonnes</td>
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<tr>
<td>125 tonnes</td>
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</tr>
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<td>Battens required (at max. gauge)</td>
<td>below 90° 10.0m²/m²</td>
</tr>
<tr>
<td>Batten size</td>
<td>38 x 25mm</td>
</tr>
<tr>
<td>Rafter centres up to 600mm</td>
<td></td>
</tr>
<tr>
<td>Nail size for tiles*</td>
<td>40 x 2.65mm (A/A)</td>
</tr>
<tr>
<td>Pallet quantities</td>
<td>Tiles per pallet 768 / tiles per pack 16 / packs per pallet 48</td>
</tr>
</tbody>
</table>

† 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.

* (A/A) Aluminium Alloy

TILES

- Standard Tile (shown above) 6661
- Eaves/Top Tile 6664
- Tile-and-a-half 6669

UNDERLAYS

- Spirtech 400 2S underlay 9202

EAVES PRODUCTS

- RedVent EavesVent 350-450mm (6m) 9189
- RedVent EavesVent 450-600mm (6m) 9190
- Extension Trays 350-450mm (6m) 9498
- Extension Trays 450-600mm (6m) 9499
- Rapid EavesVent 2-in-1 Tray 9988
- Rapid EavesVent Rafter Roll (6m) 9984
- RedVent 25 Over-Fascia Vent (6m) 9593
- Underlay Support Tray (1.5m) 9076

HIP PRODUCTS

- Dry Hip (2.7m) 9047
- Continuous Hip (5m) 9524
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Uni-Vent Rapid Hip Support Tray (1.2m) 9069
- Third Round Hip/Ridge Junction 9521
- Bonnet Hip Tile 35˚-50˚ 7671
- Third Round Hip (without nail holes) 7686
- Third Round Hip (with nail holes) 7687
- Hip Iron 9258
- Third Round Hip Block-End 7688
- Baby Ridge 7675
- Mortar Bedded Fixing Kit 9314

RIDGE PRODUCTS

- DryVent Ridge (2.7m) 9058
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Continuous Ridge (5m) 9302
- Half Round Ridge 7690
- DryVent Monoridge (2.7m) 9084
- Half Round Monoridge 7683
- Mortar Bedded Fixing Kit 9314

VENTILATION TILES

- RedLine Plain Tile Vent 9119
- RedLine Vent Adaptor 9175
- Flexible Pipe (100 to 100mm) 9172

EXTERNAL VERTICAL ANGLES

- External Angle 90˚ LH 7673
- External Angle 90˚ RH 7674

FIXING

- Tile Nail (1596) 9331
- Top Tile Clip 9282
- Kro-Clip (50) 9142

VALLEY PRODUCTS

- GRP 125 Valley (3m) 9595
- Dry Valley (3m) 9574
- Valley Tile 35˚ - 50˚ 7672

ORNAMENTAL TILES

- Manor House Mix (Granular) 20
- Ember (Sanded) 25
- Wealden Red (Sanded) 22
- Autumn (Sanded) 23
- Elizabethan (Sanded) 26
- Wealden Red (Sanded) 22
- Manor House Mix (Granular) 20
- Ember (Sanded) 25
- Autumn (Sanded) 23
- Elizabethan (Sanded) 26

PLEASE REFER TO PAGE 162-163
Plain Tile

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

PRODUCT DETAILS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>268 x 165mm</td>
</tr>
<tr>
<td>Minimum pitch</td>
<td>35°</td>
</tr>
<tr>
<td>Maximum pitch (subject to fixing specification)</td>
<td>90°</td>
</tr>
<tr>
<td>Minimum headlap below 90°</td>
<td>65mm / at 90° 35mm</td>
</tr>
<tr>
<td>Maximum headlap</td>
<td>88mm</td>
</tr>
<tr>
<td>Minimum gauge/batten spacing</td>
<td>below 90° 100mm / at 90° 115mm</td>
</tr>
<tr>
<td>Hanging length (approx.)</td>
<td>248mm</td>
</tr>
<tr>
<td>Cover (all figures are net and do not allow for wastage)</td>
<td>165mm</td>
</tr>
<tr>
<td>Linear cover of 1 tile</td>
<td>60 tiles/m² / at 90° 52 tiles/m²</td>
</tr>
<tr>
<td>Weight per pallet, including pallet (approx.) per 1000</td>
<td>below 90° 75kg/m² / at 90° 65kg/m²</td>
</tr>
<tr>
<td>Battens required (at max. gauge)</td>
<td>below 90° 10.0m²</td>
</tr>
<tr>
<td>Batten size</td>
<td>38 x 25mm</td>
</tr>
<tr>
<td>Rafter centres up to 600mm</td>
<td></td>
</tr>
<tr>
<td>Fixing clips</td>
<td>Top tile clips</td>
</tr>
<tr>
<td>Nail size for tiles*</td>
<td>40 x 2.65mm (A/A)</td>
</tr>
<tr>
<td>Pallet quantities</td>
<td>Tiles per pallet 768 / tiles per pack 16 / packs per pallet 48</td>
</tr>
</tbody>
</table>

* (A/A) Aluminium Alloy

TILES
- Standard Tile
- Eaves/Top Tile
- Tile-and-a-half

UNDERLAYS
- Spirtech 400 2S underlay

EAVES PRODUCTS
- RedVent EavesVent 350-450mm (6m)
- RedVent EavesVent 450-600mm (6m)
- Extension Trays 350-450mm (6m)
- Extension Trays 450-600mm (6m)
- Rapid EavesVent 2-in-1 Tray
- Rapid EavesVent Rafter Roll (6m)
- RedVent 25 Over-Fascia Vent (6m)
- Underlay Support Tray (1.5m)

HIP PRODUCTS
- Dry Hip (2.7m)
- Continuous Hip (5m)
- Uni-Vent Rapid Ridge/Hip (10m)
- Uni-Vent Rapid Hip Support Tray (1.2m)
- Third Round Hip/Ridge Junction
- Bonnet Hip Tile 35°-50°
- Third Round Hip (without nail holes)
- Third Round Hip (with nail holes)
- Hip Iron
- Third Round Hip Block-End
- Baby Ridge
- Mortar Bedded Fixing Kit
- Pascal Roll

VALLEY PRODUCTS
- GRP 125 Valley (3m)
- Dry Valley (3m)
- Valley Tile 35°-50°

ABUTMENT PRODUCTS
- Top Edge Abutment Ventilation (3m)
- Bonding Gutter (3m)

RIDGE PRODUCTS
- DryVent Ridge (1.8m)
- Uni-Vent Rapid Ridge/Hip (10m)
- Continuous Ridge (5m)
- Ridge Vent Terminal
- Ridge Vent Terminal Adaptor
- Flexible Pipe (100 to 100mm)
- Gas Flue Ridge Terminal
- Gas Flue Ridge Terminal Adaptor
- Gas Flue Blanking Plates

VENTILATION TILES
- RedLine Plain Tile Vent
- RedLine Vent Adaptor
- 4.5k ThruVent Tile
- ThruVent Flexible Pipe (75 to 100mm)
- Rapid Roof Vent
- Rapid Roof Vent Adaptor
- Flexible Pipe (100 to 100mm)

EXTERNAL VERTICAL ANGLES
- External Angle 90° LH
- External Angle 90° RH
- External Angle 135° LH
- External Angle 135° RH

FIXING
- Tile Nail (1596)
- Top Tile Clip
- Kro-Clip (50)

ORNAMENTAL TILES, RIDGES & FINIALS

Please refer to pages 162-163
PRODUCT DETAILS

Size
268 x 330mm

Minimum pitch
25°
(The minimum pitch is based on a maximum rafter length of 10 metres. For rafter lengths greater than this, please contact Technical Services on +44 (0) 330 123 4585)

Maximum pitch (subject to fixing specification)
90°

Minimum headlap
80mm

Maximum headlap
95mm

Minimum gauge/batten spacing
173mm

Maximum gauge/batten spacing
188mm

Hanging length (approx.)
245mm

Cover (all figures are net and do not allow for wastage)
Linear cover of 1 tile
17.7 tiles/m² / (at 188mm gauge)

Covering capacity
300mm

Weight per pallet, including pallet (approx.)
54kg/m² (at 188mm gauge)

per 1000
0.90 tonnes

per 1000
3.04 tonnes

Battens required (at max. gauge)
5.26m²/m²

Batten size
Rafter centres up to 450mm
38 x 25mm

Rafter centres up to 600mm
50 x 25mm

Nail size for tiles* (Depending on fixing specification)
45 x 3mm (A/A) or 45 x 3.35mm (S/S)

Pallet quantities
Tiles per pallet
288 / tiles per pack
6 / packs per pallet
48

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

KEY FEATURES AND 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

TILES
Standard Tile
6101
Half Tile
6105
Left-hand Verge Tile
6103
Right-hand Verge Tile
6104

UNDERLAYS
Spirtech 400 2S underlay
9202

EAVES PRODUCTS
RedVent EavesVent 350-450mm (6m)
9189
RedVent EavesVent 450-600mm (6m)
9190
Extension Trays 350-450mm (6m)
9498
Extension Trays 450-600mm (6m)
9499
Rapid EavesVent 2-in-1 Tray
9988
Rapid EavesVent Rafter Roll (6m)
9984
RedVent 2S Over-Fascia Vent (6m)
9593
Underlay Support Tray (1.5m)
9076

VERGE PRODUCTS
Ambi-Dry Verge II (10)
9911
Ambi-Dry Eaves/Ridge Pack
9680

HIP PRODUCTS
Dry Hip (2.7m)
9534
Continuous Hip (5m)
9562
Uni-Vent Rapid Ridge/ Hip (10m)
9513
Uni-Vent Rapid Hip Support Tray (1.2m)
9069
Third Round Hip/Ridge Junction
9521
Third Round Hip (without nail holes)
8212
Third Round Hip (with nail holes)
8211
Hip Iron
9258
Third Round Hip Block-End
7404
Baby Ridge
7408
Mortar Bedded Fixing Kit
9314

VALLEY PRODUCTS
GRP 125 Valley (3m)
9595
Dry Valley (3m)
9575

ABUTMENT PRODUCTS
Top Edge Abutment Ventilation (3m)
9548
WakaFlex Rapid Flashing (see pages 152-153)
9580
Bonding Gutter (Low Profile) (3m)
9578
Bonding Gutter (High Profile) (3m)
9596

RIDGE PRODUCTS
DryVent Ridge (2.7m)
9058
Uni-Vent Rapid Ridge/Hip (10m)
9313
Continuous Ridge (5m)
9302
Half Round Ridge
8201
Half Round Block-End Ridge
7409
DryVent Monoridge (2.7m)
9084
Half Round Monoridge
7403
Mortar Bedded Fixing Kit
9314

VENTILATION TILES
RedLine Plain Tile Vent
9113
Flexible Pipe (100 to 100mm)
9172

FIXING
Verge Clip
9198
Eaves Clip (100)
9184
Tile Nail (Alum. Alloy) (1060)
9334
Tile Nail (Stainless Steel) (500)
9350
Eaves Clip Nail (812)
9338
Innovex Clip (50)
9142
Stainless Steel Screw
9104

ORNAMENTAL RIDGES & FINIALS
Please refer to pages 162-163

Duoplain

Charcoal Grey (Coated)

Rustic Brown (Coated)

Charcoal Grey (Coated)

Rustic Red (Coated)
Fontenelle Interlocking Clay Plain Tile

KEY FEATURES AND 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/m²
- Reduces labour and material costs and cuts completion times

PRODUCT DETAILS

<table>
<thead>
<tr>
<th>Size</th>
<th>350 x 244mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum pitch</td>
<td>20°</td>
</tr>
<tr>
<td>(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, please contact Technical Services on +44 (0) 330 123 4585)</td>
<td></td>
</tr>
<tr>
<td>Maximum pitch (subject to fixing specification)</td>
<td>90°</td>
</tr>
<tr>
<td>Minimum headlap</td>
<td>95mm</td>
</tr>
<tr>
<td>Maximum headlap</td>
<td>110mm</td>
</tr>
<tr>
<td>Minimum gauge/batten spacing</td>
<td>240mm</td>
</tr>
<tr>
<td>Maximum gauge/batten spacing</td>
<td>255mm</td>
</tr>
<tr>
<td>Hanging length (approx.)</td>
<td>321mm</td>
</tr>
<tr>
<td>Cover (all figures are net and do not allow for wastage)</td>
<td>200mm</td>
</tr>
<tr>
<td>Linear cover of 1 tile</td>
<td>19.6 tiles/m² / (at 255mm gauge)</td>
</tr>
<tr>
<td>Weight per pallet, including pallet (approx.)</td>
<td>52kg/m² / (at 255mm gauge)</td>
</tr>
<tr>
<td>per 1000 tenants</td>
<td>1.15 tonnes</td>
</tr>
<tr>
<td>2.65 tonnes</td>
<td></td>
</tr>
<tr>
<td>Battens required (at max. gauge)</td>
<td>3.92m²/m²</td>
</tr>
<tr>
<td>Batten size</td>
<td>38 x 25mm</td>
</tr>
<tr>
<td>Rafter centres up to 450mm</td>
<td>8454</td>
</tr>
<tr>
<td>Rafter centres up to 600mm</td>
<td>8455</td>
</tr>
<tr>
<td>Nail size for tiles* (Depending on fixing specification)</td>
<td>55 x 2.65mm (S/S)</td>
</tr>
<tr>
<td>Pallet quantities</td>
<td>Tiles per pallet 420 / tiles per pack 60 / packs per pallet 7</td>
</tr>
</tbody>
</table>

*Tiles Valley Products

Standard Tile 5961
Tile-and-a-half 5962
Left-hand Verge Tile 5963
Left-hand Verge Tile-and-a-half 5964

UNDERLAYS

Spirtech 400 2S underlay 9202

EAVES PRODUCTS

RedVent EavesVent 350-450mm (6m) 9189
RedVent EavesVent 450-600mm (6m) 9190
Extension Trays 350-450mm (6m) 9498
Extension Trays 450-600mm (6m) 9499
Rapid EavesVent 2-in-1 Tray 9988
Rapid EavesVent Rafter Roll (6m) 9984
RedVent 25 Over-Fascia Vent (6m) 9593
Underlay Support Tray (1.5m) 9076

HIP PRODUCTS

Uni-Vent Rapid Ridge/Hip (10m) 9313
Uni-Vent Rapid Hip Support Tray (1.2m) 9069
Third Round Hip/Ridge Junction 9521
Third Round Hip (without nail holes) 8454
Third Round Hip (with nail holes) 8455
Hip Iron 9258
Baby Ridge 8482
Mortar Bedded Fixing Kit 9514
Continuous Hip Pack 9502
Hip End Cap Third Round 9712

VALLEY PRODUCTS

GRP 125 Valley (3m) 9595
Dry Valley (3m) 9575

ABUTMENT PRODUCTS

Top Edge Abutment Ventilation (3m) 9548
Wakaflex Rapid Flashing (see pages 152-153)

UNDERLAYS

Wakaflex Rapid Flashing (see pages 152-153)
Bonning Gutter (Low Profile) (3m) 9580
Bonning Gutter (High Profile) (3m) 9578

RIDGE PRODUCTS

DryVent Ridge (1.8m) 9056
Half Round Ridge 8450
Mortar Bedded Fixing Kit 9314

VENTILATION TILES

4.5k ThruVent Tile 7840
Flexible Pipe (75 to 100mm) 9188

FIXING

Tile Nail (Stainless Steel) (390) 9638
Kro-Clip (50) 9142
Stainless Steel Screw 9366
Head Clip/C-Clip 9518

ORNAMENTAL RIDGES & FINIALS

Please refer to pages 162-163

*5(S/S) Stainless Steel Ring Shank
** For more information contact Technical Services on +44 (0) 330 123 4585.
Profile tile range

Based on 16th century pantiles from Holland and earlier Roman roofing, the flowing contours and distinctive angular patterns of the profile range create roofs with outstanding visual appeal and dependable weathertightness.

The tiles in the BMI Redland profile range have been carefully selected to reflect the vast variety of profile roofing in use across the UK & Ireland, from traditional handmade styles right up to contemporary designs for today’s urban landscape.

These precision-made interlocking clay and concrete tiles come in a wide variety of colours and finishes. As well as their aesthetic appeal, these tiles are designed for speed and ease of installation.

<table>
<thead>
<tr>
<th>Landmark Double Pantile</th>
<th>Landmark Double Roman</th>
<th>Grovebury</th>
<th>50 Double Roman</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page no.</td>
<td>46-47</td>
<td>48-49</td>
<td>50-51</td>
</tr>
<tr>
<td>Min. pitch</td>
<td>15°</td>
<td>17.5°</td>
<td>15°</td>
</tr>
<tr>
<td>Weight</td>
<td>48kg/m²</td>
<td>47kg/m²</td>
<td>46kg/m²</td>
</tr>
<tr>
<td>Cover*</td>
<td>9.7 tiles/m²</td>
<td>9.7 tiles/m²</td>
<td>9.7 tiles/m²</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Regent</th>
<th>Renown</th>
<th>Fenland Pantile</th>
<th>Redland 49</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page no.</td>
<td>54-55</td>
<td>56-57</td>
<td>58-59</td>
</tr>
<tr>
<td>Min. pitch</td>
<td>12.5°</td>
<td>17.5°</td>
<td>17.5°</td>
</tr>
<tr>
<td>Weight</td>
<td>45kg/m²</td>
<td>40kg/m²</td>
<td>42kg/m²</td>
</tr>
<tr>
<td>Cover*</td>
<td>9.7 tiles/m²</td>
<td>9.7 tiles/m²</td>
<td>16.3 tiles/m²</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hollander Clay Pantile</th>
<th>Old Hollow Clay Pantile</th>
<th>Postel Clay Tile</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page no.</td>
<td>62-63</td>
<td>64-65</td>
</tr>
<tr>
<td>Min. pitch</td>
<td>22.5°</td>
<td>30°</td>
</tr>
<tr>
<td>Weight</td>
<td>40kg/m²</td>
<td>36kg/m²</td>
</tr>
<tr>
<td>Cover*</td>
<td>12.5 tiles/m²</td>
<td>16.2 tiles/m²</td>
</tr>
</tbody>
</table>

* Depends on headlap used. Refer to product pages for full technical information.

The profile range is priced according to colour and surface finish; tiles are designated as Traditional, Heritage, Premier and Premier Plus.

COLOUR KEY

- Traditional
- Heritage
- Premier
- Premier Plus
Landmark Double Pantile

**KEY FEATURES AND ADVANTAGES**
- Revolutionary ColourFusion™ coating process to protect and preserve tile finish
- Subtle colour variations imitate clay
- Bullnose front edge to soften roof appearance

**PRODUCT DETAILS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size (overall)</td>
<td>418 x 332mm</td>
</tr>
<tr>
<td>Minimum pitch and headlap</td>
<td>15° at 100mm headlap 17.5° at 75mm headlap</td>
</tr>
<tr>
<td>Maximum pitch (subject to fixing specification)</td>
<td>90°</td>
</tr>
<tr>
<td>Maximum headlap</td>
<td>125mm</td>
</tr>
<tr>
<td>Minimum gauge/batten spacing</td>
<td>293mm</td>
</tr>
<tr>
<td>Maximum gauge/batten spacing</td>
<td>below 17.5° 318mm / 17.5° and over 343mm</td>
</tr>
<tr>
<td>Hanging length (approx)</td>
<td>397mm</td>
</tr>
<tr>
<td>Cover (all figures are net and do not allow for wastage)</td>
<td>300mm</td>
</tr>
<tr>
<td>Linear cover of 1 tile</td>
<td>10.5 tiles/m² at 318mm gauge / 9.7 tiles/m² at 343mm gauge</td>
</tr>
<tr>
<td>Weight per pallet, including pallet (approx.)</td>
<td>51kg/m² at 318mm gauge / 48kg/m² at 343mm gauge per 1000 1.05 tonnes / 4.90 tonnes</td>
</tr>
<tr>
<td>Battens required (at max. gauge)</td>
<td>2.92m/m²</td>
</tr>
<tr>
<td>Batten size</td>
<td>Rafter centres up to 450mm 38 x 25mm</td>
</tr>
<tr>
<td></td>
<td>Rafter centres up to 600mm 50 x 25mm</td>
</tr>
<tr>
<td>Fixing clips</td>
<td>Eaves, verge &amp; tile clips</td>
</tr>
<tr>
<td>Nail size for tiles*</td>
<td>70 x 3.75mm (A/A)</td>
</tr>
<tr>
<td>Pallet quantities</td>
<td>Tiles per pallet 210 / tiles per pack 35 / packs per pallet 6</td>
</tr>
</tbody>
</table>

* (A/A) Aluminium Alloy

**TILES**

- Standard Tile (shown above) 5901

**UNDERLAYS**

- Spirtech 400 2S underlay 9202

**EAVES PRODUCTS**

- RedVent EavesVent 350-450mm (6m) 9189
- RedVent EavesVent 450-600mm (6m) 9190
- Extension Trays 350-450mm (6m) 9498
- Extension Trays 450-600mm (6m) 9499
- Rapid EavesVent 2-in-1 Tray 9988
- Rapid EavesVent Rafter Roll (6m) 9984
- RedVent 25 Over-Fascia Vent (6m) 9593
- Underlay Support Tray (1.5m) 9076
- Eaves Comb Filler (1m) 9965

**VERGE PRODUCTS**

- Cloaked Verge LH 8333
- Cloaked Verge RH 8334
- Half Tile 8351
- DryVerge (Pack of 18 LH & 18 RH) 9390
- DryVerge Gable End Pack 9880
- Rapid DryVerge (Pack of 18 LH & 18 RH) 9391
- Rapid DryVerge Gable End Pack 9881

**HIP PRODUCTS**

- Dry Hip (2.7m) 9046
- Continuous Hip (5m) 9028
- Third Round Hip/Ridge Junction 9521
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Uni-Vent Rapid Hip Support Tray (1.2m) 9069
- Third Round Hip (without nail holes) 8312
- Third Round Hip (with nail holes) 8311
- Hip Iron 9258
- Third Round Block-End Hip 8517
- Dentil Slip 7173
- Mortar Bedded Fixing Kit 9314

**ABUTMENT PRODUCTS**

- Top Edge Abutment Ventilation (3m) 9541
- Bonding Gutter (3m) 9578

**RIDGE PRODUCTS**

- DryVent Ridge (2.7m) 9094
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Continuous Ridge (5m) 9304
- Half Round Ridge 8302
- Half Round Ridge Block-End 8303
- DryVent Monoridge (2.7m) 9080
- Half Round Monoridge 8304
- Dentil Slip 7173
- Mortar Bedded Fixing Kit 9314
- Ridge End Cap Half Round 9772

**VENTILATION TILES**

- RedLine Vent Tile 9114
- 8.8k ThruVent Tile 7938
- Flexible Pipe (100 to 100mm) 9172

**FIXING**

- Tile Clip 9246
- Verge Clip LH 9121
- Verge Clip RH 9298
- Eaves Clip inc Nail 9287
- Tile Clip Nail (680) 9333
- Tile Nail (460) 9336
- Kro-Clip (50) 9142
- Innofix Clip (500) 9821

**VALLEY PRODUCTS**

- GRP 125 Valley (3m) 9595
- Dry Valley (3m) 9574
- Universal Valley Through Tile 7175

---

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terracotta Brindle (ColourFusion™)</td>
<td>43</td>
</tr>
<tr>
<td>Brown Brindle (ColourFusion™)</td>
<td>44</td>
</tr>
</tbody>
</table>
**PRODUCT DETAILS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size (overall)</strong></td>
<td>418 x 330mm</td>
</tr>
<tr>
<td><strong>Minimum pitch and headlap</strong></td>
<td>17.5° at 100mm headlap</td>
</tr>
<tr>
<td><strong>Maximum pitch (subject to fixing specification)</strong></td>
<td>90°</td>
</tr>
<tr>
<td><strong>Maximum headlap</strong></td>
<td>125mm</td>
</tr>
<tr>
<td><strong>Minimum gauge/batten spacing</strong></td>
<td>293mm</td>
</tr>
<tr>
<td><strong>Maximum gauge/batten spacing</strong></td>
<td>below 22.5° 318mm</td>
</tr>
<tr>
<td><strong>Hanging length (approx.)</strong></td>
<td>397mm</td>
</tr>
<tr>
<td><strong>Cover (all figures are net and do not allow for wastage)</strong></td>
<td>300mm</td>
</tr>
<tr>
<td><strong>Linear cover of 1 tile</strong></td>
<td>10.5 tiles/m² at 318mm gauge / 9.7 tiles/m² at 343mm gauge</td>
</tr>
<tr>
<td><strong>Weight</strong> (per pallet, including pallet (approx.) per 1000)</td>
<td>51kg/m² at 318mm gauge / 47kg/m² at 343mm gauge / 1.17 tonnes per 1000 / 4.82 tonnes per 1000</td>
</tr>
<tr>
<td><strong>Battens required (at max. gauge)</strong></td>
<td>2.92m²/m²</td>
</tr>
<tr>
<td><strong>Batten size</strong></td>
<td>38 x 25mm</td>
</tr>
<tr>
<td><strong>Fixing clips</strong></td>
<td>Eaves, verge &amp; tile clips</td>
</tr>
<tr>
<td><strong>Nail size for tiles</strong></td>
<td>60 x 3.35mm (A/A)</td>
</tr>
<tr>
<td><strong>Tiles per pallet</strong></td>
<td>240 / tiles per pack 40 / packs per pallet 6</td>
</tr>
</tbody>
</table>

* (A/A) Aluminium Alloy

**KEY FEATURES AND ADVANTAGES**

- Revolutionary ColourFusion™ coating process to protect and preserve tile finish
- Subtle curve softens tile front edge
- Concrete materials technology provides superior performance
**KEY FEATURES AND ADVANTAGES**

- Traditional pantile profile blends with a wide range of roofing styles
- Quick to lay, saving time and money during installation
- Wide variety of colours and surface textures

**PRODUCT DETAILS**

<table>
<thead>
<tr>
<th>Size (overall)</th>
<th>418 x 332mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum pitch and headlap</td>
<td>15° at 100mm headlap / 17.5° at 75mm headlap</td>
</tr>
<tr>
<td>Through coloured</td>
<td>22.5° at 100mm headlap / 30° at 75mm headlap</td>
</tr>
<tr>
<td>Granular</td>
<td></td>
</tr>
<tr>
<td>Maximum pitch (subject to fixing specification)</td>
<td>90°</td>
</tr>
<tr>
<td>Maximum headlap</td>
<td>125mm</td>
</tr>
<tr>
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<td>293mm</td>
</tr>
<tr>
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<td></td>
</tr>
<tr>
<td>Through coloured</td>
<td>17.5° at 318mm / 17.5° at over 343mm</td>
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<tr>
<td>Granular</td>
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</tr>
<tr>
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<td>397mm</td>
</tr>
<tr>
<td>Cover (all figures are net and do not allow for wastage)</td>
<td>397mm</td>
</tr>
<tr>
<td>Linear cover of 1 tile</td>
<td>300mm</td>
</tr>
<tr>
<td>Covering capacity</td>
<td>10.5 tiles/m² at 318mm gauge / 9.7 tiles/m² at 343mm gauge</td>
</tr>
<tr>
<td>Weight</td>
<td>50kg/m² at 318mm gauge / 46kg/m² at 343mm gauge</td>
</tr>
<tr>
<td>per pallet, including pallet (approx.)</td>
<td>1.08 tonnes per 1000 / 4.75 tonnes</td>
</tr>
<tr>
<td>Battens required (at max. gauge)</td>
<td>2.92m²/m²</td>
</tr>
<tr>
<td>Batten size</td>
<td>38 x 25mm</td>
</tr>
<tr>
<td>Rafter centres up to 450mm</td>
<td></td>
</tr>
<tr>
<td>Rafter centres up to 600mm</td>
<td>50 x 25mm</td>
</tr>
<tr>
<td>Fixing clips</td>
<td>Eaves, verge &amp; tile clips</td>
</tr>
<tr>
<td>Nail size for tiles*</td>
<td>70 x 3.75mm (A/A)</td>
</tr>
<tr>
<td>Pallet quantities</td>
<td>Tiles per pallet 216 / tiles per pack 36 / packs per pallet 6</td>
</tr>
</tbody>
</table>

* (A/A) Aluminium Alloy

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**TILES**

<table>
<thead>
<tr>
<th>Standard Tile (shown above)</th>
<th>5741</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNDERLAYS</td>
<td></td>
</tr>
<tr>
<td>Spritech 400 2S underlay</td>
<td>9202</td>
</tr>
<tr>
<td>EAVES PRODUCTS</td>
<td></td>
</tr>
<tr>
<td>RedVent EavesVent 350-450mm (6m)</td>
<td>9189</td>
</tr>
<tr>
<td>RedVent EavesVent 450-600mm (6m)</td>
<td>9190</td>
</tr>
<tr>
<td>Extension Trays 350-450mm (6m)</td>
<td>9498</td>
</tr>
<tr>
<td>Extension Trays 450-600mm (6m)</td>
<td>9499</td>
</tr>
<tr>
<td>Rapid EavesVent 2-in-1 Tray</td>
<td>9988</td>
</tr>
<tr>
<td>Rapid EavesVent Rafter Roll (6m)</td>
<td>9984</td>
</tr>
<tr>
<td>RedVent 25 Over-Fascia Vent (6m)</td>
<td>9593</td>
</tr>
<tr>
<td>Underlay Support Tray (1.5m)</td>
<td>9076</td>
</tr>
<tr>
<td>Eaves Comb Filler (1m)</td>
<td>9965</td>
</tr>
<tr>
<td>VERGE PRODUCTS</td>
<td></td>
</tr>
<tr>
<td>Cloaked Verge LH</td>
<td>7273</td>
</tr>
<tr>
<td>Cloaked Verge RH</td>
<td>7274</td>
</tr>
<tr>
<td>Half Tile</td>
<td>7770</td>
</tr>
<tr>
<td>DryVerge (Pack of 18 LH &amp; 18 RH)</td>
<td>9390</td>
</tr>
<tr>
<td>DryVerge Gable End Pack</td>
<td>9880</td>
</tr>
<tr>
<td>RapidDryVerge (Pack of 18 LH &amp; 18 RH)</td>
<td>9391</td>
</tr>
<tr>
<td>Rapid DryVerge Gable End Pack</td>
<td>9881</td>
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<td></td>
</tr>
<tr>
<td>Dry Hip (2.7m)</td>
<td>9046</td>
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</tr>
<tr>
<td>Third Round Hip/Ridge_Junction</td>
<td>9521</td>
</tr>
<tr>
<td>Uni-Vent Rapid Hip/Hit (10m)</td>
<td>9513</td>
</tr>
<tr>
<td>Uni-Vent Rapid Hip Support Tray (1.2m)</td>
<td>9069</td>
</tr>
<tr>
<td>Third Round Hip (without nail holes)</td>
<td>8122</td>
</tr>
<tr>
<td>Third Round Hip (with nail holes)</td>
<td>7411</td>
</tr>
<tr>
<td>Hip Iron</td>
<td>9258</td>
</tr>
<tr>
<td>Third Round Block-End Hip</td>
<td>7784</td>
</tr>
<tr>
<td>Dentil Slip</td>
<td>7173</td>
</tr>
<tr>
<td>Mortar Bedded Fixing Kit</td>
<td>9514</td>
</tr>
</tbody>
</table>

**CLOSING UP**

- Traditional pantile profile blends with a wide range of roofing styles
- Quick to lay, saving time and money during installation
- Wide variety of colours and surface textures

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**FERCencvry**

- Traditional pantile profile blends with a wide range of roofing styles
- Quick to lay, saving time and money during installation
- Wide variety of colours and surface textures

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**KEY FEATURES AND ADVANTAGES**

- Traditional pantile profile blends with a wide range of roofing styles
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**PRODUCT DETAILS**

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* (A/A) Aluminium Alloy

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<th>Standard Tile (shown above)</th>
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<td>Mortar Bedded Fixing Kit</td>
<td>9514</td>
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</tbody>
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**CLOSING UP**

- Traditional pantile profile blends with a wide range of roofing styles
- Quick to lay, saving time and money during installation
- Wide variety of colours and surface textures

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**KEY FEATURES AND ADVANTAGES**

- Traditional pantile profile blends with a wide range of roofing styles
- Quick to lay, saving time and money during installation
- Wide variety of colours and surface textures
50 Double Roman

**KEY FEATURES AND ADVANTAGES**
- Recreates look of classic clay Roman roof
- Nine colours to provide match with every regional roofing style
- Compatible with a wide range of fittings and accessories

**PRODUCT DETAILS**

<table>
<thead>
<tr>
<th>Size (overall)</th>
<th>418 x 330mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum pitch and headlap</td>
<td>Through coloured Granular 17.5° at 100mm headlap / 22.5° at 75mm headlap 22.5° at 100mm headlap / 30° at 75mm headlap</td>
</tr>
<tr>
<td>Maximum pitch (subject to fixing specification)</td>
<td>90°</td>
</tr>
<tr>
<td>Maximum headlap</td>
<td>125mm</td>
</tr>
<tr>
<td>Minimum gauge/batten spacing</td>
<td>293mm</td>
</tr>
<tr>
<td>Maximum gauge/batten spacing</td>
<td>Through coloured Granular below 22.5° at 318mm / 22.5° and over 343mm below 30° at 318mm / 30° and over 343mm</td>
</tr>
<tr>
<td>Hanging length (approx)</td>
<td>397mm</td>
</tr>
<tr>
<td>Cover (all figures are net and do not allow for wastage)</td>
<td>Linear cover of 1 tile 300mm Covering capacity 10.5 tiles/m² at 318mm gauge / 9.7 tiles/m² at 343mm gauge</td>
</tr>
<tr>
<td>Weight</td>
<td>44kg/m² at 318mm gauge / 41kg/m² at 343mm gauge per pallet, including pallet (approx.) 1.11 tonnes per 1000 4.19 tonnes</td>
</tr>
<tr>
<td>Battens required (at max. gauge)</td>
<td>2.92m²</td>
</tr>
<tr>
<td>Batten size</td>
<td>Rafter centres up to 450mm 38 x 25mm Rafter centres up to 600mm 50 x 25mm</td>
</tr>
<tr>
<td>Fixing clips</td>
<td>Eaves, verge &amp; tile clips</td>
</tr>
<tr>
<td>Nail size for tiles*</td>
<td>60 x 3.35mm (A/A)</td>
</tr>
<tr>
<td>Pallet quantities</td>
<td>Tiles per pallet 252 / tiles per pack 42 / packs per pallet 6</td>
</tr>
</tbody>
</table>

* (A/A) Aluminium Alloy

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**TILES**

| Standard Tile (shown above) | 2201 |
| **UNDERLAYS** |  |
| Spirtech 400 2S underlay | 9202 |
| **EAVES PRODUCTS** |  |
| RedVent EavesVent 350-450mm (6m) | 9189 |
| RedVent EavesVent 450-600mm (6m) | 9190 |
| Extension Trays 350-450mm (6m) | 9498 |
| Extension Trays 450-600mm (6m) | 9499 |
| Rapid EavesVent 2-in-1 Tray | 9988 |
| Rapid EavesVent Rafters Roll (6m) | 9984 |
| RedVent 25 Over-Fascia Vent (6m) | 9593 |
| Underlay Support Tray (1.5m) | 9076 |
| **VERGE PRODUCTS** |  |
| Cloaked Verge LH | 7275 |
| Cloaked Verge RH | 7276 |
| Half Tile | 7730 |
| DryVent (Pack of 18 LH & 18 RH) | 9390 |
| DryVent Gable End Pack | 9880 |
| Rapid DryVent (Pack of 18 LH & 18 RH) | 9391 |
| Rapid DryVent Gable End Pack | 9881 |
| **HIP PRODUCTS** |  |
| Dry Hip (2.7m) | 9046 |
| Continuous Hip (5m) | 9028 |
| Third Round Hip/Ridge Junction | 9521 |
| Uni-Vent Rapid Hip/10m | 9313 |
| Uni-Vent Rapid Hip Support Tray (1.2m) | 9069 |
| Third Round Hip (without nail holes) | 8122 |
| Third Round Hip (with nail holes) | 7411 |
| Hip Iron | 9258 |
| Third Round Block-End Hip | 7784 |
| Mortar Bedded Fixing Kit | 9314 |

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**VALLEY PRODUCTS**

| GRP 125 Valley (3m) | 9595 |
| Dry Valley (3m) | 9574 |
| Universal Valley Through Tile | 7175 |
| **ABUTMENT PRODUCTS** |  |
| Top Edge Abutment Ventilation (3m) | 9543 |
| Wakaflex Rapid Flashing (see pages 152-153) |  |
| Bonding Gutter (3m) | 9578 |

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**RIDGE PRODUCTS**

| DryVent Ridge (2.7m) | 9095 |
| Uni-Vent Rapid Ridge/Hip (10m) | 9313 |
| Continuous Ridge (5m) | 9304 |
| **EAVES PRODUCTS ABUTMENT PRODUCTS** |  |
| RedVent EavesVent 350-450mm (6m) | 9189 |
| Top Edge Abutment Ventilation (3m) | 9543 |
| RedVent EavesVent 450-600mm (6m) | 9190 |
| Wakaflex Rapid Flashing (see pages 152-153) |  |
| Extension Trays 350-450mm (6m) | 9498 |
| Bonding Gutter (3m) | 9578 |
| Extension Trays 450-600mm (6m) | 9499 |

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**VERGE PRODUCTS**

| Bonding Gutter (3m) | 9578 |
| **HIP PRODUCTS** |  |
| RedVent 25 Over-Fascia Vent (6m) | 9593 |
| Continuous Ridge (5m) | 9304 |
| **VENTILATION TILES** |  |
| RedLine Vent Tile | 9117 |
| 8.8k ThruVent Tile | 7933 |
| Flexible Pipe (100 to 100mm) | 9172 |
| **FIXING** |  |
| Tile Clip | 9288 |
| Verge Clip LH | 9297 |
| Verge Clip RH | 9121 |
| Eaves Clip inc Nail | 9287 |
| **KEY FEATURES AND ADVENTAGES** |  |

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| **KEY FEATURES AND ADVANTAGES** |  |
|标准 | 2201 |
| **UNDERLAYS** |  |
| Spirtech 400 2S underlay | 9202 |
| **EAVES PRODUCTS** |  |
| RedVent EavesVent 350-450mm (6m) | 9189 |
| RedVent EavesVent 450-600mm (6m) | 9190 |
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| Tile Clip | 9288 |
| Verge Clip LH | 9297 |
| Verge Clip RH | 9121 |
| Eaves Clip inc Nail | 9287 |

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| **KEY FEATURES AND ADVANTAGES** |  |
|标准 | 2201 |
Regent

PRODUCT DETAILS

Size (overall) 418 x 332mm

Minimum pitch and headlap
Through coloured
Granular

Through coloured
22.5° at 100mm headlap / 30° at 75mm headlap

Minimum pitch (subject to fixing specification) 90°

Maximum headlap
125mm

Minimum gauge/batten spacing
293mm

Maximum gauge/batten spacing
Through coloured below 30° at 318mm / 30° and over 343mm
Granular below 30° at 318mm / 30° and over 343mm

Hanging length (approx) 397mm

Cover (all figures are net and do not allow for wastage)
Linear cover of 1 tile 300mm
Covering capacity 10.5 tiles/m² at 318mm gauge / 9.7 tiles/m² at 343mm gauge

Weight per pallet, including pallet (approx.)
Battens required (at max. gauge)
Batten size
Rafter centres up to 450mm
Rafter centres up to 600mm

Fixing clips
Eaves, verge & tile clips

Nail size for tiles*

Pallet quantities
Tiles per pallet 252 / tiles per pack 42 / packs per pallet 6

* (A/A) Aluminium Alloy

KEY FEATURES AND ADVANTAGES

- Unique high, bold roll profile
- Our lowest pitch capability tile – ideal for extensions and lean-to roofing

TILES
Standard Tile (shown above) 3401

UNDERLAYS
Spirtech 400 2S underlay 9202

EAVES PRODUCTS
RedVent EavesVent 350-450mm (6m) 9189
RedVent EavesVent 450-600mm (6m) 9190
Extension Trays 350-450mm (6m) 9498
Extension Trays 450-600mm (6m) 9499
Rapid EavesVent 2-in-1 Tray 9988
Rapid EavesVent Rafter Roll (6m) 9984
RedVent 25 Over-Fascia Vent (6m) 9593
Underlay Support Tray (1.5m) 9076
Eaves Comb Filler (1m) 9965

VERGE PRODUCTS
Cloaked Verge LH 7271
Cloaked Verge RH 7272
Half Tile 7750
DryVerge (Pack of 18 LH & 18 RH) 9390
DryVerge Gable End Pack 9880
Rapid DryVerge (Pack of 18 LH & 18 RH) 9391
Rapid DryVerge Gable End Pack 9881

HIP PRODUCTS
Dry Hip (2.7m) 9046
Continuous Hip (5m) 9028
Third Round Hip/Ridge Junction 9521
Uni-Vent Rapid Ridge/Hip (10m) 9513
Uni-Vent Rapid Hip Support Tray (1.2m) 9069
Third Round Hip (without nail holes) 8122
Third Round Hip (with nail holes) 7411
Hip Iron 9258
Third Round Block-End Hip 7784
Dentil Slip 7174
Mortar Bedded Fixing Kit 9314

VALLEY PRODUCTS
GRP 125 Valley (3m) 9595
Dry Valley (3m) 9574
Universal Valley Through Tile 7175

ABUTMENT PRODUCTS
Top Edge Abutment Ventilation (3m) 9542
WakaFlex Rapid Flashing (see pages 152-153) 9578
Bonding Gutter (3m) 9578

RIDGE PRODUCTS
DryVent Ridge (2.7m) 9096
Uni-Vent Rapid Ridge/Hip (10m) 9313
Continued Ridge (5m) 9304
Ridge Vent Terminal 7253
Ridge Vent Terminal Adaptor 9175
Flexible Pipe (100 to 100mm) 9172
Gas Flue Ridge Terminals 7241
Gas Flue Extension Adaptor 9143
Gas Flue Blanking Plates 9098
Half Round Ridge 8101
Half Round Ridge Block-End 7519
DryVent Monoridge (2.7m) 9079
Half Round Monoridge 7203
Half Round Block-End Monoridge 7267
Half Round Block-End Monoridge RH 7267

VENTILATION TILES
RedLine Vent Tile 9115
8.8k ThruVent Tile 7930
Flexible Pipe (100 to 100mm) 9172

FIXING
Tile Clip 9246
Verge Clip LH 9121
Verge Clip RH 9298
Eaves Clip inc Nail 9287
Tile Clip Nail (680) 9333
Tile Nail (420) 9337
Kro-Clip (50) 9142
Innofix Clip (500) 9821

30 Slate Grey 34 Terracotta 36 Tudor Brown 39 Farmhouse Red
52 Breckland Brown 78 Rustic Red (Coated)
Renown

KEY FEATURES AND ADVANTAGES
- Seven colours to provide a match with every regional roofing style
- Exceptional wind and driving rain performance
- Quicker installation saves time and money

PRODUCT DETAILS

<table>
<thead>
<tr>
<th>Size (overall)</th>
<th>418 x 330mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum pitch and headlap</td>
<td></td>
</tr>
<tr>
<td>Through coloured</td>
<td></td>
</tr>
<tr>
<td>Granular</td>
<td></td>
</tr>
<tr>
<td>17.5° at 100mm headlap / 22.5° at 75mm headlap</td>
<td></td>
</tr>
<tr>
<td>22.5° at 100mm headlap / 30° at 75mm headlap</td>
<td></td>
</tr>
<tr>
<td>Maximum pitch (subject to fixing specification)</td>
<td>90°</td>
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<tr>
<td>Maximum headlap</td>
<td>125mm</td>
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<td>Minimum gauge/batten spacing</td>
<td>293mm</td>
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<td>Maximum gauge/batten spacing</td>
<td></td>
</tr>
<tr>
<td>Through coloured</td>
<td></td>
</tr>
<tr>
<td>Granular</td>
<td></td>
</tr>
<tr>
<td>below 22.5° at 318mm / 17.5° and over 343mm</td>
<td></td>
</tr>
<tr>
<td>below 30° at 318mm / 30° and over 343mm</td>
<td></td>
</tr>
<tr>
<td>Maximum gauge/batten spacing</td>
<td></td>
</tr>
<tr>
<td>Through coloured</td>
<td></td>
</tr>
<tr>
<td>Granular</td>
<td></td>
</tr>
<tr>
<td>22.5° at 100mm headlap / 30° at 75mm headlap</td>
<td></td>
</tr>
<tr>
<td>30° at 318mm / 30° and over 343mm</td>
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<tr>
<td>Hanging length (approx)</td>
<td>397mm</td>
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<tr>
<td>Cover (all figures are net and do not allow for wastage)</td>
<td>300mm</td>
</tr>
<tr>
<td>Linear cover of 1 tile</td>
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<tr>
<td>10.5 tiles/m² at 318mm gauge / 9.7 tiles/m² at 343mm gauge</td>
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<tr>
<td>Weight</td>
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<tr>
<td>43kg/m² at 318mm gauge / 40kg/m² at 343mm gauge</td>
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</tr>
<tr>
<td>per pallet, including pallet (approx.)</td>
<td></td>
</tr>
<tr>
<td>per 1000</td>
<td></td>
</tr>
<tr>
<td>1.05 tonnes</td>
<td>4.14 tonnes</td>
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<tr>
<td>Battens required (at max. gauge)</td>
<td>2.92m²/m²</td>
</tr>
<tr>
<td>Batten size</td>
<td></td>
</tr>
<tr>
<td>Rafter centres up to 450mm</td>
<td>38 x 25mm</td>
</tr>
<tr>
<td>Rafter centres up to 600mm</td>
<td>50 x 25mm</td>
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<tr>
<td>Fixing clips</td>
<td>Eaves, verge &amp; tile clips</td>
</tr>
<tr>
<td>Nail size for tiles*</td>
<td>50 x 3.35mm (A/A)</td>
</tr>
<tr>
<td>Pallet quantities</td>
<td>Tiles per pallet 240 / tiles per pack 40 / packs per pallet 6</td>
</tr>
</tbody>
</table>

* (A/A) Aluminium Alloy

<table>
<thead>
<tr>
<th>Colour</th>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>Brown (Granular)</td>
<td>02</td>
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<tr>
<td>Antique Red (Granular)</td>
<td>03</td>
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<tr>
<td>Slate Grey</td>
<td>05</td>
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<tr>
<td>Terracotta</td>
<td>34</td>
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<tr>
<td>Tudor Brown</td>
<td>56</td>
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<tr>
<td>Farmhouse Red</td>
<td>59</td>
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<tr>
<td>Breckland Brown</td>
<td>52</td>
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</tr>
</tbody>
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TILES

- Standard Tile (shown above) 1501
- Eaves Top Edge Abutment Ventilation (3m) 9544
- Spirtech 400 2S underlay 9202
- RedVent EavesVent 350-450mm (6m) 9189
- RedVent EavesVent 450-600mm (6m) 9190
- Extension Trays 350-450mm (6m) 9498
- Extension Trays 450-600mm (6m) 9499
- Rapid EavesVent 2-in-1 Tray 9988
- Rapid EavesVent Rafter Roll (6m) 9984
- RedVent 25 Over-Fascia Vent (6m) 9593
- Underlay Support Tray (1.5m) 9076

UNDERLAYS

- Spirtech 400 2S underlay 9202
- Bonding Gutter (3m) 9578

EAVES PRODUCTS

- RedVent EavesVent 350-450mm (6m) 9189
- RedVent EavesVent 450-600mm (6m) 9190
- Extension Trays 350-450mm (6m) 9498
- Extension Trays 450-600mm (6m) 9499
- Rapid EavesVent 2-in-1 Tray 9988
- Rapid EavesVent Rafter Roll (6m) 9984
- RedVent 25 Over-Fascia Vent (6m) 9593
- Underlay Support Tray (1.5m) 9076

VERGE PRODUCTS

- Cloaked Verge LH 7277
- Cloaked Verge RH 7278
- Half Tile 7710
- DryVerge (Pack of 18 LH & 18 RH) 9390
- DryVerge Gable End Pack 9880
- Rapid DryVerge (Pack of 18 LH & 18 RH) 9391
- Rapid DryVerge Gable End Pack 9881

HIP PRODUCTS

- Dry Hip (2.7m) 9046
- Continuous Hip (5m) 9028
- Third Round Hip/Ridge Junction 9521
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Uni-Vent Rapid Hip Support Tray (1.2m) 9069
- Third Round Hip (without nail holes) 8122
- Third Round Hip (with nail holes) 7411
- Hip Iron 9258
- Third Round Block-End Hip 7784
- Mortar Bedded Fixing Kit 9514

VALLEY PRODUCTS

- GRP 125 Valley (3m) 9595
- Universal Valley Through Tile 7175

ABUTMENT PRODUCTS

- Top Edge Abutment Ventilation (3m) 9544
- Wakaflex Rapid Flashing (see pages 152-153) 8911
- Bonding Gutter (3m) 9578

RIDGE PRODUCTS

- DryVent Ridge (2.7m) 9097
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Continuous Ridge (5m) 9304
- Ridge Vent Terminal 7253
- Ridge Vent Terminal Adaptor 9175
- Flexible Pipe (100 to 100mm) 9172
- Gas Flue Ridge Terminals 7241
- Gas Flue Extension Adaptor 9143
- Gas Flue Blanking Plates 9098
- Half Round Ridge 8101
- Half Round Ridge Block-End 7519
- DryVent Monoridge (2.7m) 9081
- Half Round Monoridge 7203
- Half Round Block-End Monoridge LH 7266
- Half Round Block-End Monoridge RH 7267
- Mortar Bedded Fixing Kit 9314
- Ridge End Cap Half Round 9772

VENTILATION TILES

- RedLine Vent Tile 9116
- 8.8k ThruVent Tile 7932
- Continuous Hip (5m) 9028
- Third Round Hip/Ridge Junction 9521
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Uni-Vent Rapid Hip Support Tray (1.2m) 9069
- Third Round Hip (without nail holes) 8122
- Third Round Hip (with nail holes) 7411
- Hip Iron 9258
- Third Round Block-End Hip 7784
- Mortar Bedded Fixing Kit 9514

FIXING

- Tile Clip 9185
- Verge Clip 9297
- Eaves Clip 9186
- Tile & Eaves Clip Nail (812) 9338
- Tile Nail (680) 9333
- Kro-Clip (50) 9142
- Innofix Clip (500) 9823
Fenland Pantile

**KEY FEATURES AND ADVANTAGES**
- Gentle curve for soft yet distinctive single pantile effect
- Economical concrete alternative to clay
- Range of six classic colours
- Recessed front for a slim leading-edge appearance

**PRODUCT DETAILS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Size (overall)</td>
<td>381 x 227mm</td>
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<tr>
<td>Minimum pitch and headlap</td>
<td>Smooth 17.5° at 100mm headlap / 22.5° at 75mm headlap</td>
</tr>
<tr>
<td></td>
<td>Sanded 17.5° at 100mm headlap / 25° at 75mm headlap</td>
</tr>
<tr>
<td>Maximum pitch (subject to fixing specification)</td>
<td>90°</td>
</tr>
<tr>
<td>Maximum headlap</td>
<td>125mm</td>
</tr>
<tr>
<td>Minimum gauge/batten spacing</td>
<td>256mm</td>
</tr>
<tr>
<td>Maximum gauge/batten spacing</td>
<td>Smooth: below 22.5° at 281mm / 22.5° and over 306mm</td>
</tr>
<tr>
<td></td>
<td>Sanded: below 25° at 281mm / 25° and over 306mm</td>
</tr>
<tr>
<td>Hanging length (approx)</td>
<td>362mm</td>
</tr>
<tr>
<td>Cover (all figures are net and do not allow for wastage)</td>
<td>200mm</td>
</tr>
<tr>
<td>Linear cover of 1 tile</td>
<td>17.8 tiles/m² at 281mm gauge / 16.3 tiles/m² at 306mm gauge</td>
</tr>
<tr>
<td>Weight per pallet, including pallet (approx.)</td>
<td>45kg/m³ at 281mm gauge / 42kg/m³ at 306mm gauge</td>
</tr>
<tr>
<td>Battens required (at max. gauge)</td>
<td>3.27m/m²</td>
</tr>
<tr>
<td>Batten size</td>
<td>38 x 25mm</td>
</tr>
<tr>
<td>Rafter centres up to 450mm</td>
<td>50 x 25mm</td>
</tr>
<tr>
<td>Fixing clips</td>
<td>Eaves, verge &amp; tile clips</td>
</tr>
<tr>
<td>Nail size for tiles*</td>
<td>45 x 3mm (A/A)</td>
</tr>
<tr>
<td>Pallet quantities</td>
<td>Tiles per pallet 336 / tiles per pack 42 / packs per pallet 8</td>
</tr>
</tbody>
</table>

*(A/A) Aluminium Alloy

**TILES**

- Standard Tile (shown above) 5121

**UNDERLAYS**

- Spirtech 400 2S underlay 9202

**EAVES PRODUCTS**

- RedVent EavesVent 350-450mm (6m) 9189
- RedVent EavesVent 450-600mm (6m) 9190
- Extension Trays 350-450mm (6m) 9498
- Extension Trays 450-600mm (6m) 9499
- Rapid EavesVent 2-in-1 Tray 9988
- Rapid EavesVent Rafter Roll (6m) 9984
- RedVent 25 Over-Fascia Vent (6m) 9593
- Underlay Support Tray (1.5m) 9076
- Eaves Comb Filler (1m) 9965

**VERGE PRODUCTS**

- DryVerge (Pack of 18 LH & 18 RH) 9390
- DryVerge Gable End Pack 9880
- Rapid DryVerge (Pack of 18 LH & 18 RH) 9391
- Rapid DryVerge Gable End Pack 9881

**HIP PRODUCTS**

- Continuous Hip (5m) 9502
- Third Round Hip/Ridge Junction 9521
- Uni-Vent Rapid Ridge/Hip (10m) 9513
- Uni-Vent Rapid Hip Support. Tray (1.2m) 9069
- Third Round Hip (without nail holes) 8122
- Third Round Hip (with nail holes) 7411
- Hip Iron 9258
- Third Round Block-End Hip 7784
- Dentil Sip 7172
- Mortar Bedded Fixing Kit 9314

**VALLEY PRODUCTS**

- GRP 125 Valley (3m) 9595
- Dry Valley (3m) 9574
- Universal Valley Through Tile 7175

**VANILLA PRODUCTS**

- GRP 125 Vanilla (3m) 9957
- Dry Vanilla (3m) 9974
- Universal Vanilla Through Tile 7175

**ABUTMENT PRODUCTS**

- Wakaflex Rapid Flashing (see pages 152-153)
- Bonding Gutter (3m) 9578

**RIDGE PRODUCTS**

- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Continuous Ridge (5m) 9304
- Ridge Vent Terminal 7253
- Ridge Vent Terminal Adaptor 9175
- Flexible Pipe (100 to 100mm) 9172
- Gas Flue Ridge Terminals 7241
- Gas Flue Extension Adaptor 9143
- Half Round Ridge 8101
- Half Round Ridge Block-End 7519
- Half Round Monoridge 7203
- Half Round Block-End Monoridge LH 7266
- Half Round Block-End Monoridge RH 7267
- Dentil Sip 7172
- Mortar Bedded Fixing Kit 9314
- Ridge End Cap Half Round 9772

**VENTILATION TILES**

- 4.5k ThruVent Tile 7328
- Flexible Pipe (100 to 100mm) 9188

**FIXING**

- Tile Clip 9177
- Verge Clip LH 9148
- Verge Clip RH 9149
- Eaves Clip 9178
- Tile Clip Nail (680) 9333
- Eaves Clip Nail (812) 9338
- Tile Nail (1060) 9334
- Kro-Clip (50) 9142
- Innofix Clip (500) 9821

**COLORS**

- Slate Grey
- Terracotta
- Tudor Brown
- Farmhouse Red
- Breckland Brown
- Black (Coated)
**PRODUCT DETAILS**

**Size (overall)** 382 x 226mm

**Minimum pitch and headlap**
- Through coloured: 17.5° at 100mm headlap / 25° at 75mm headlap
- Granular: 22.5° at 100mm headlap / 30° at 75mm headlap

**Maximum pitch (subject to fixing specification)** 90°

**Maximum headlap** 125mm

**Minimum gauge/batten spacing**
- Through coloured: below 25° at 282mm / 25° and over 307mm
- Granular: below 30° at 282mm / 30° and over 307mm

**Hanging length (approx)** 360mm

**Cover (all figures are net and do not allow for wastage)**
- Linear cover of 1 tile: 200mm
- Covering capacity: 17.7 tiles/m² at 282mm gauge / 16.3 tiles/m² at 307mm gauge

**Weight**
- 51kg/m² at 282mm gauge / 47kg/m² at 307mm gauge per pallet, including pallet (approx.)
- 1.01 tonnes per 1000
- 2.86 tonnes

**Battens required (at max. gauge)** 3.26m/m²

**Batten size**
- Rafter centres up to 450mm: 38 x 25mm
- Rafter centres up to 600mm: 50 x 25mm

**Fixing clips**
- Eaves, verge & tile clips

**Nail size for tiles**
- *50 x 3.35mm (A/A)

**Pallet quantities**
- Tiles per pallet: 336 / tiles per pack: 42 / packs per pallet: 8

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**KEY FEATURES AND ADVANTAGES**

- Unique camber adds both strength and aesthetic appeal
- Smaller format for lighter unit weight and easier handling

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**TILES**

- Standard Tile (shown above) 1101
- Spirtech 400 2S underlay 9202

**EAVES PRODUCTS**

- RedVent EavesVent 350-450mm (6m) 9189
- RedVent EavesVent 450-600mm (6m) 9190
- Extension Trays 350-450mm (6m) 9498
- Extension Trays 450-600mm (6m) 9499
- Rapid EavesVent 2-in-1 Tray 9988
- Rapid EavesVent Rafter Roll (6m) 9984
- RedVent 25 Over-Fascia Vent (6m) 9593
- Underlay Support Tray (1.5m) 9076

**UNDERLAYS**

- Bonding Gutter (3m) 9578
- Spirtech 400 2S underlay 9202

**Hanging length (approx)** 360mm

**RIDGE PRODUCTS**

- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Continuous Ridge (5m) 9304
- Ridge Vent Terminal 7253
- Ridge Vent Terminal Adaptor 9175
- Flexible Pipe (100 to 100mm) 9172
- Gas Flue Ridge Terminals 7241
- Gas Flue Extension Adaptor 9143
- Half Round Ridge 8101
- Half Round Ridge Block-End 7519
- Half Round Monoridge 7203
- Half Round Block-End Monoridge LH 7266
- Half Round Block-End Monoridge RH 7267
- Mortar Bedded Fixing Kit 9314
- Ridge End Cap Half Round 9772

**VERGE PRODUCTS**

- DryVerge (Pack of 18 LH & 18 RH) 9390
- DryVerge Gable End Pack 9880
- Rapid DryVerge (Pack of 18 LH & 18 RH) 9391
- Rapid DryVerge Gable End Pack 9881

**HIP PRODUCTS**

- Continuous Hip (5m) 9502
- Third Round Hip/Ridge Junction 9521
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Uni-Vent Rapid Hip Support Tray (1.2m) 9069
- Third Round Hip (without nail holes) 8122
- Third Round Hip (with nail holes) 7411
- Hip Iron 9258
- Third Round Block-End Hip 7784
- Mortar Bedded Fixing Kit 9314

**VALLEY PRODUCTS**

- GRP 125 Valley (3m) 9595
- Dry Valley (3m) 9574
- Universal Valley Through Tile 7175

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**ABUTMENT PRODUCTS**

- Wakaflex Rapid Flashing (see pages 152-153)
- Bonding Gutter (3m) 9578
- Flexible Pipe (75 to 100mm) 9188
- Rapid Roof Vent Flexible Pipe 9172
- Rapid Roof Vent 9129
- Rapid Roof Vent Adaptor 9791

**FIXING**

- Tile Clip 9185
- Verge Clip 9297
- Eaves Clip (100) 9184
- Flexible Pipe (75 to 100mm) 9188
- Mortar Bedded Fixing Kit 9314
- Tile & Eaves Clip Nail (812) 9338
- Tile Clip Nail (680) 9333
- Kro-Clip (50) 9142
- Innofix Clip (500) 9823

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**SHARE**

- *Brown (Granular) (Granular)
- **Antique Red**
- **Slate grey**
- **Terracotta**
- **Tudor Brown**
- **Farmhouse Red**
- **Breckland Brown**
- **Rustic Red (Coated)**
Hollander Clay Pantile

KEY FEATURES AND ADVANTAGES
- Distinctive and historic roof profile
- Suitable for use even on low pitch roofing
- Modern manufacturing techniques provide exceptional reliability

PRODUCT DETAILS

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
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<td>Size (overall)</td>
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<td>22.5° at 70mm headlap / 25° at 65mm headlap</td>
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</tr>
<tr>
<td>Maximum headlap</td>
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</tr>
<tr>
<td>Maximum gauge/batten spacing</td>
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</tr>
<tr>
<td>Minimum gauge/batten spacing</td>
<td>below 25° at 350mm / 25° and over 355mm</td>
</tr>
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<td>Hanging length (approx)</td>
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<td>Cover (all figures are net and do not allow for wastage)</td>
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<tr>
<td>Linear cover of 1 tile</td>
<td>12.7 tiles/m² at 350mm gauge / 12.5 tiles/m² at 355mm gauge</td>
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<tr>
<td>Weight</td>
<td>41kg/m² at 350mm gauge / 40kg/m² at 355mm gauge</td>
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<tr>
<td>per pallet (approx.)</td>
<td>0.92 tonnes per 1000</td>
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<tr>
<td>per 1000</td>
<td>3.20 tonnes</td>
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<td>Battens required (at max. gauge)</td>
<td>2.82m²/m²</td>
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<td>Batten size</td>
<td>Rafter centres up to 450mm: 38 x 25mm</td>
</tr>
<tr>
<td></td>
<td>Rafter centres up to 600mm: 50 x 25mm</td>
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<tr>
<td>Nail size for tiles *</td>
<td>45 x 3.35mm (S/S)</td>
</tr>
<tr>
<td>Pallet quantities</td>
<td>Tiles per pallet 280 / tiles per pack 5 / packs per pallet 56</td>
</tr>
</tbody>
</table>

* (S/S) Stainless Steel Annular ring shanked nail

TEILES
- Standard Tile (shown above) 5971

UNDERLAYS
- Spirtech 400 2S underlay 9202

EAVES PRODUCTS
- RedVent EavesVent 350-450mm (6m) 9189
- RedVent EavesVent 450-600mm (6m) 9190
- Extension Trays 350-450mm (6m) 9498
- Extension Trays 450-600mm (6m) 9499
- Rapid EavesVent 2-in-1 Tray 9988
- Rapid EavesVent Rafter Roll (6m) 9984
- RedVent 2S Over-Fascia Vent (6m) 9593
- Underlay Support Tray (1.5m) 9076
- Eaves Comb Filler (1m) 9965

VERGE PRODUCTS
- Cloaked Verge LH 5977
- Cloaked Verge RH 5978
- Left-hand Verge Tile 5976
- Two-Thirds Tile 5979

HIP PRODUCTS
- Continuous Hip (5m) 9870
- Third Round Hip/Ridge Junction 9521
- Third Round Hip (without nail holes) (concrete) 8512
- Third Round Hip (with nail holes) (concrete) 8511
- Hip Iron 9258
- Third Round Block-End Hip (concrete) 8517
- Capped Half Round Ridge/Hip 7831
- Dentil Slip (concrete) 7172
- Mortar Bedded Fixing Kit 9314

VALLEY PRODUCTS
- GRP 125 Valley (3m) 9595
- Dry Valley (3m) 9574

ABUTMENT PRODUCTS
- Wakaflex Rapid Flashing (see pages 152-153) 6356
- Bonding Gutter (3m) 9578

RIDGE PRODUCTS
- Continuous Ridge (5m) 9304
- Capped Half Round Ridge/Hip 7831
- Capped Half Round Ridge Block-End 7832
- Plain Half Round Ridge Block-End 7833
- Half Round Ridge (concrete) 8302
- Half Round Block-End Ridge (concrete) 8303
- Dentil Slip (concrete) 7172
- Mortar Bedded Fixing Kit 9314

MONORIDGE
- Half Round Monoridge (concrete) 8304

VENTILATION TILES
- 4.5k ThruVent Tile 7880
- Flexible Pipe (75 to 100mm) 9188

FIXING
- Tile Nail (300) 7350
- Eaves Clip 9178
- Eaves Clip Nail (812) 9358
- Verge Clip LH 9632
- Verge Clip RH 9633
- Kro-Clip (50) 9142
- Innofix Clip (500) 9821
- Cloaked Verge Plug 9180

* Terracotta 80
* Brindle 82
OLD HOLLOW CLAY PANTILE

KEY FEATURES AND ADVANTAGES

- Authentic rustic finish
- Random pattern and texturing enhances vintage effect
- Modern production techniques allow maximum integrity in high roll profile

PRODUCT DETAILS

Size (overall) 343 x 242mm

Minimum pitch and headlap 30° at 48mm headlap / 35° at 38mm headlap

Maximum pitch (subject to fixing specification) 90°

Minimum gauge/batten spacing 295mm

Maximum gauge/batten spacing below 35° at 295mm / 35° and over 305mm

Hanging length (approx) 310mm

Cover (all figures are net and do not allow for wastage)
Linear cover of 1 tile 202mm
Covering capacity 16.8 tiles/m² at 295mm gauge / 16.2 tiles/m² at 305mm gauge

Weight 37kg/m² at 295mm gauge / 36kg/m² at 305mm gauge per pallet, including pallet (approx.)
0.76 tonnes per 1000
2.20 tonnes

Battens required (at max. gauge) 3.28m/m²

Batten size
Rafter centres up to 450mm 38 x 25mm
Rafter centres up to 600mm 50 x 25mm

Nail size for tiles* 55 x 2.65mm (S/S)

Pallet quantities Tiles per pallet 336 / tiles per pack 6 / packs per pallet 56

* (S/S) Stainless Steel Annular ring shanked
**Postel Clay Tile**

**KEY FEATURES AND ADVANTAGES**
- Clay single Roman interlocking tile
- Classic tile that maintains the heritage look of an area

### PRODUCT DETAILS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size (overall)</td>
<td>315 x 230mm</td>
</tr>
<tr>
<td>Minimum pitch</td>
<td>20°</td>
</tr>
<tr>
<td>Maximum pitch (subject to fixing specification)</td>
<td>90°</td>
</tr>
<tr>
<td>Minimum headlap</td>
<td>70mm</td>
</tr>
<tr>
<td>Maximum headlap</td>
<td>80mm</td>
</tr>
<tr>
<td>Minimum gauge/batten spacing</td>
<td>235mm</td>
</tr>
<tr>
<td>Maximum gauge/batten spacing</td>
<td>245mm</td>
</tr>
<tr>
<td>Hanging length (approx)</td>
<td>285mm</td>
</tr>
<tr>
<td>Cover (all figures are net and do not allow for wastage)</td>
<td>200mm</td>
</tr>
<tr>
<td>Linear cover of 1 tile</td>
<td></td>
</tr>
<tr>
<td>Covering capacity</td>
<td>20.4 tiles/m²</td>
</tr>
<tr>
<td>Weight per pallet, including pallet (approx.)</td>
<td>41kg/m²</td>
</tr>
<tr>
<td>per 1000</td>
<td>1.23 tonnes</td>
</tr>
<tr>
<td></td>
<td>2.00 tonnes</td>
</tr>
<tr>
<td>Battens required (at max. gauge)</td>
<td>4.08m²/m²</td>
</tr>
<tr>
<td>Batten size</td>
<td></td>
</tr>
<tr>
<td>Rafter centres up to 450mm</td>
<td>38 x 25mm</td>
</tr>
<tr>
<td>Rafter centres up to 600mm</td>
<td>50 x 25mm</td>
</tr>
<tr>
<td>Nail size for tiles*</td>
<td>45 x 3.35mm (S/S)</td>
</tr>
<tr>
<td>Pallet quantities</td>
<td>Tiles per pallet 600 / tiles per pack 8 / packs per pallet 75</td>
</tr>
</tbody>
</table>

* (S/S) Stainless Steel Annular ring shanked

### TILES
- Standard Tile (shown above) 5981

### UNDERLAYS
- Spirtech 400 2S underlay 9202

### EAVES PRODUCTS
- RedVent EavesVent 350-450mm (6m) 9189
- RedVent EavesVent 450-600mm (6m) 9190
- Extension Trays 350-450mm (6m) 9498
- Extension Trays 450-600mm (6m) 9499
- Rapid EavesVent 2-in-1 Tray 9988
- Rapid EavesVent Rafter Roll (6m) 9984
- RedVent 25 Over-Fascia Vent (6m) 9593
- Underlay Support Tray (1.5m) 9076

### VERGE PRODUCTS
- Left-hand Verge Tile 5982

### HIP PRODUCTS
- Third Round Hip/Ridge Junction 9521
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Uni-Vent Rapid Hip Support Tray (1.2m) 9069
- Third Round Hip (without nail holes) (concrete) 8312
- Third Round Hip (with nail holes) (concrete) 8311
- Third Round Block-End Hip (concrete) 8317
- Third Round Hip (without nail holes) 8454
- Third Round Hip (with nail holes) 8455
- Hip End Cap Third Round 9712
- Hip Iron 9258
- Mortar Bedded Fixing Kit 9314

### ABUTMENT PRODUCTS
- Wakaflex Flashing (see pages 152-153) 6766

### RIDGE PRODUCTS
- Uni-Vent Rapid Ridge/Hip (10m) 9313
- Continuous Ridge (5m) 9304
- Half Round Ridge 8450
- Half Round Ridge (concrete) 8302
- Mortar Bedded Fixing Kit 9314
- Ridge End Cap Half Round 9772
- Mortar Bedded Fixing Kit 9314

### MONORIDGE
- Half Round Monoridge (concrete) 8304

### VENTILATION TILES
- 4.5k ThruVent Tile 7845
- Flexible Pipe (75 to 100mm) 9188

### FIXING
- Tile Nail (300) 9350
- Kro-Clip (50) 9142
- Stainless Steel Screw 9104
- Head Clip/C-Clip 9578

### VALLEY PRODUCTS
- GRP 125 Valley (3m) 9595
- Dry Valley (3m) 9574

---

**Brindle**
Lightweight Metal Range

BMI Decra metal tiles, the first name in lightweight roofing, are designed to provide an attractive finish to your roof whilst being fast to install, economic to transport and versatile for all roofs down to a 10° pitch.

Our metal roofing system comprises of coated, galvanised steel tile panels with the appearance of traditional roof tiles. This innovation produces an easy to install, durable roofing solution that has an excellent resistance to strong weather conditions.

Our systems are completely dry fixed throughout, compliant with British Standards, and were first in the UK to win Secured by Design certification - an Official Police Security Initiative.

<table>
<thead>
<tr>
<th></th>
<th>BMI Decra Classic</th>
<th>BMI Decra Plus</th>
<th>BMI Decra Stratos</th>
<th>BMI Decra Oberon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page no.</td>
<td>70-71</td>
<td>72-73</td>
<td>74-75</td>
<td>76-77</td>
</tr>
<tr>
<td>Min. pitch</td>
<td>10°</td>
<td>10°</td>
<td>12°</td>
<td>15°</td>
</tr>
<tr>
<td>Weight (kg/m²)</td>
<td>6.56 / 3.06</td>
<td>11.65 / 5.40</td>
<td>7.10 / 2.80</td>
<td>7.00 / 1.80</td>
</tr>
<tr>
<td>Cover (tiles/m²)</td>
<td>2.145 / 0.46</td>
<td>2.157 / 0.464</td>
<td>2.54 / 0.39</td>
<td>2.50 / 0.40</td>
</tr>
</tbody>
</table>
BMI Decra Classic

**KEY FEATURES AND ADVANTAGES**
- Classic lightweight tile with traditional appearance
- Available in six colours with UV resistant embedded coatings
- Perfect for traditional finish or refurbishment projects
- Heavy gauge steel core ZM250g/m²

**PRODUCT DETAILS**

<table>
<thead>
<tr>
<th>Size</th>
<th>1324mm x 410mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum pitch</td>
<td>10°</td>
</tr>
<tr>
<td>Maximum pitch</td>
<td>90°</td>
</tr>
<tr>
<td>Minimum headlap</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Maximum headlap</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Batten spacing</td>
<td>370mm</td>
</tr>
<tr>
<td>Hanging length</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Cover per tile</td>
<td>460mm</td>
</tr>
<tr>
<td>Covering capacity</td>
<td>2.145 tiles m²</td>
</tr>
<tr>
<td>Weight per tile</td>
<td>3.06kg</td>
</tr>
<tr>
<td>Weight m²</td>
<td>6.56kg</td>
</tr>
<tr>
<td>Weight per pallet</td>
<td>992kg</td>
</tr>
<tr>
<td>Battens required</td>
<td>2.7m²/m²</td>
</tr>
</tbody>
</table>

**BMI Decra Fixing nails**
- 1 pack per 420 tiles

**Pallet quantities**
- 320 tiles

---

**TILES**
- BMI Decra Classic (As Shown Above) 1002

**UNDERLAYS**
- Spirtech 400 2s underlay 9202

**EAVES PRODUCTS**
- Warm Roof Eave Closure 1045
- Eave Guard Warm Roof (30m) 1044
- Eave Guard 370 (30m) 1051
- Eave Guard 370 (Single) 1052

**VERGE PRODUCTS**
- Left Hand Barge 1016
- Right Hand Barge 1018
- Left Hand Barge Cover Closure 1017
- Right Hand Barge Cover Closure 1019
- Left Hand Cloaked Verge 1014
- Right Hand Cloaked Verge 1015

**VALLEY PRODUCTS**
- GRP 125 Valley (3m) 9595

**ABUTMENT PRODUCTS**
- Side Flashing Left Hand 1020
- Side Flashing Right Hand 1021
- Top Course 1022

**RIDGE & HIP PRODUCTS**
- D Ridge 1009
- D Ridge End Closure 1010
- XL Ridge 1012
- B Ridge 1013
- D Ridge Hip End Closure Unit 1011

**VENTILATION PRODUCTS**
- In Line Air Vent 1038
- In Line Extract Vent 1039
- 10mm Eave Vent 1055
- 25mm Eave Vent 1056
- 10mm Over Fascia Vent 1057
- 25mm Over Fascia Vent 1058
- Classic D Ridge Vent Filler (18lm) 1053
- Universal D Ridge Vent Filler (18lm) 1054

**FIXING**
- Power Fixing Nails* 1050
- Fixing Nails 1kg* 1049
- Fixing Nails 6kg* 1048

**ACCESSORIES**
- Universal Kit 1066
- Flat Sheet (1250x370mm) 1064

We recommend the use of our tools when installing BMI Decra tiles, please call our Customer Support Team on +44 (0) 3705 601 000

*Required for use with BMI Decra tiles
BMI Decra Plus

**KEY FEATURES AND ADVANTAGES**
- Traditional design lightweight tile
- Designed for commercial or secure applications
- Available in two colours with UV resistant embedded coatings
- Our Plus tile is accredited Secured by Design - a police initiative that improves the security of buildings through innovative design and crime prevention methods.

**PRODUCT DETAILS**

<table>
<thead>
<tr>
<th>Size</th>
<th>1324mm x 410mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum pitch</td>
<td>10°</td>
</tr>
<tr>
<td>Maximum pitch</td>
<td>90°</td>
</tr>
<tr>
<td>Minimum headlap</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Maximum headlap</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Batten spacing</td>
<td>368mm</td>
</tr>
<tr>
<td>Hanging length</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Cover per tile</td>
<td>465mm</td>
</tr>
<tr>
<td>Covering capacity</td>
<td>2.15 tiles m²</td>
</tr>
<tr>
<td>Weight per tile</td>
<td>5.4kg</td>
</tr>
<tr>
<td>Weight m²</td>
<td>11.65kg</td>
</tr>
<tr>
<td>Weight per pallet</td>
<td>1063kg</td>
</tr>
<tr>
<td>Battens required</td>
<td>2.72m²/m²</td>
</tr>
<tr>
<td>BMI Decra Plus Fixing nails*</td>
<td>1 pack per 125 tiles</td>
</tr>
<tr>
<td>Pallet quantities</td>
<td>192 tiles</td>
</tr>
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</table>

**TILES**

<table>
<thead>
<tr>
<th>Product</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>BMI Decra Plus (as shown above)</td>
<td>1006</td>
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**UNDERLAYS**

<table>
<thead>
<tr>
<th>Product</th>
<th>Code</th>
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<tbody>
<tr>
<td>Spiritech 400 2s underlay</td>
<td>9202</td>
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**EAVES PRODUCTS**

<table>
<thead>
<tr>
<th>Product</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warm Roof Eave Closure</td>
<td>1045</td>
</tr>
<tr>
<td>Eave Guard Warm Roof (30m)</td>
<td>1044</td>
</tr>
<tr>
<td>Eave Guard 370 (30m)</td>
<td>1051</td>
</tr>
<tr>
<td>Eave Guard 370 (Single)</td>
<td>1052</td>
</tr>
</tbody>
</table>

**VERGE PRODUCTS**

<table>
<thead>
<tr>
<th>Product</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plus Barge Cap</td>
<td>1027</td>
</tr>
</tbody>
</table>

**VALLEY PRODUCTS**

<table>
<thead>
<tr>
<th>Product</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRP 125 Valley (3m)</td>
<td>9595</td>
</tr>
</tbody>
</table>

**EAVES PRODUCTS**

<table>
<thead>
<tr>
<th>Product</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Side Flashing Left Hand</td>
<td>1020</td>
</tr>
<tr>
<td>Side Flashing Right Hand</td>
<td>1021</td>
</tr>
</tbody>
</table>

**RIDGE & HIP PRODUCTS**

<table>
<thead>
<tr>
<th>Product</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plus D Ridge</td>
<td>1026</td>
</tr>
<tr>
<td>Plus D Ridge &amp; Hip Sealing strip</td>
<td>1028</td>
</tr>
<tr>
<td>D Ridge</td>
<td>1009</td>
</tr>
<tr>
<td>D Ridge End Closure</td>
<td>1010</td>
</tr>
<tr>
<td>D Ridge Hip End Closure Unit</td>
<td>1011</td>
</tr>
<tr>
<td>XL Ridge</td>
<td>1012</td>
</tr>
</tbody>
</table>

**VENTILATION PRODUCTS**

<table>
<thead>
<tr>
<th>Product</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>In Line Air Vent</td>
<td>1038</td>
</tr>
<tr>
<td>In Line Extract Vent</td>
<td>1039</td>
</tr>
<tr>
<td>10mm Eave Vent</td>
<td>1055</td>
</tr>
<tr>
<td>25mm Eave Vent</td>
<td>1056</td>
</tr>
<tr>
<td>10mm Over Fascia Vent</td>
<td>1057</td>
</tr>
<tr>
<td>25mm Over Fascia Vent</td>
<td>1058</td>
</tr>
<tr>
<td>Universal D Ridge Vent Filler (18lm)</td>
<td>1054</td>
</tr>
</tbody>
</table>

**FIXING**

<table>
<thead>
<tr>
<th>Product</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plus nails*</td>
<td>1029</td>
</tr>
<tr>
<td>Plus screws red*</td>
<td>1030</td>
</tr>
<tr>
<td>Plus screws black*</td>
<td>1031</td>
</tr>
<tr>
<td>Secure By Design screws*</td>
<td>1062</td>
</tr>
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**ACCESSORIES**

<table>
<thead>
<tr>
<th>Product</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>Universal Kit</td>
<td>1066</td>
</tr>
<tr>
<td>Flat Sheet (1250x370mm)</td>
<td>1064</td>
</tr>
</tbody>
</table>

We recommend the use of our tools when installing BMI Decra tiles, please call our Customer Support Team on +44 (0) 3705 601 000

*Required for use with BMI Decra tiles
BMI Decra Stratos

**KEY FEATURES AND ADVANTAGES**
- BMI Decra Stratos modern design lightweight tile
- Available in three colours with UV resistant embedded coatings
- Natural stone coated tile
- Great for flat to pitched conversions

**PRODUCT DETAILS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>1290mm x 360mm</td>
</tr>
<tr>
<td>Minimum pitch</td>
<td>12°</td>
</tr>
<tr>
<td>Maximum pitch</td>
<td>90°</td>
</tr>
<tr>
<td>Minimum headlap</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Maximum headlap</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Batten spacing</td>
<td>320mm</td>
</tr>
<tr>
<td>Hanging length</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Cover per tile</td>
<td>390mm</td>
</tr>
<tr>
<td>Covering capacity</td>
<td>2.54 tiles m²</td>
</tr>
<tr>
<td>Weight per tile</td>
<td>2.8kg</td>
</tr>
<tr>
<td>Weight m²</td>
<td>7.2kg</td>
</tr>
<tr>
<td>Weight per pallet</td>
<td>810kg</td>
</tr>
<tr>
<td>Battens required</td>
<td>3.13m²/m²</td>
</tr>
<tr>
<td>Batten size</td>
<td>Rafter centres 450mm: 38 x 38mm</td>
</tr>
<tr>
<td></td>
<td>Rafter centres 600mm: 50 x 38mm</td>
</tr>
<tr>
<td></td>
<td>Rafter centres 900mm: 50 x 50mm</td>
</tr>
<tr>
<td></td>
<td>Rafter centres 1200mm: 50 x 50mm</td>
</tr>
<tr>
<td></td>
<td>Rafter centres 1500mm: 50 x 65mm</td>
</tr>
<tr>
<td>BMI Decra Fixing nails*</td>
<td>1 pack per 420 tiles</td>
</tr>
<tr>
<td>Pallet quantities</td>
<td>280 tiles</td>
</tr>
</tbody>
</table>

**TILES**
- BMI Decra Stratos (as shown above) 1007
- Spirtech 400 2s underlay 9202

**UNDERLAYS**
- Warm Roof Eave Closure 1045
- Eave Guard Warm Roof (30m) 1044
- Eave Guard 370 (30m) 1051
- Eave Guard 370 (Single) 1052

**EAVES PRODUCTS**
- Left Hand Stratos Barge 1032
- Right Hand Stratos Barge 1033
- Left Hand Stratos Barge Closure 1034
- Right Hand Stratos Barge Closure 1035

**VERGE PRODUCTS**
- Left Hand Stratos Barge Closure 1034

**ABUTMENT PRODUCTS**
- Top Course 1022

**RIDGE & HIP PRODUCTS**
- D Ridge 1009
- D Ridge End Closure 1010
- D Ridge Hip End Closure Unit 1011

**VENTILATION PRODUCTS**
- In Line Air Vent 1042
- In Line Extract Vent 1043
- 10mm Eave Vent 1055
- 25mm Eave Vent 1056
- 10mm Over Fascia Vent 1057
- 25mm Over Fascia Vent 1058
- Universal D Ridge Vent Filler (18lm) 1054

**FIXING**
- Power Fixing Nails* 1050
- Fixing nails 1kg* 1049
- Fixing nails 6kg* 1048

**ACCESSORIES**
- Universal Kit 1066
- Flat Sheet (1250x370mm) 1064

*Required for use with BMI Decra tiles

We recommend the use of our tools when installing BMI Decra tiles, please call our Customer Support Team on +44 (0) 3705 601 000.
**BMI Decra Oberon**

**KEY FEATURES AND ADVANTAGES**
- Lightweight tile designed for plain style
- Available in three colours with UV resistant embedded coatings
- Fast installation with versatile application

**PRODUCT DETAILS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>1300mm x 360mm</td>
</tr>
<tr>
<td>Minimum pitch</td>
<td>15°</td>
</tr>
<tr>
<td>Maximum pitch</td>
<td>90°</td>
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<tr>
<td>Minimum headlap</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Maximum headlap</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Batten spacing</td>
<td>160mm</td>
</tr>
<tr>
<td>Hanging length</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Cover per tile</td>
<td>390mm</td>
</tr>
<tr>
<td>Covering capacity</td>
<td>2.54 tiles m²</td>
</tr>
<tr>
<td>Weight per tile</td>
<td>2.8kg</td>
</tr>
<tr>
<td>Weight m²</td>
<td>7.1kg</td>
</tr>
<tr>
<td>Weight per pallet</td>
<td>726kg</td>
</tr>
<tr>
<td>Battens required</td>
<td>6.25m²/m²</td>
</tr>
<tr>
<td>Batten size</td>
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</tr>
<tr>
<td>Rafter centres 450mm</td>
<td>38 x 25mm</td>
</tr>
<tr>
<td>Rafter centres 600mm</td>
<td>50 x 25mm</td>
</tr>
<tr>
<td>Rafter centres 900mm</td>
<td>50 x 50mm</td>
</tr>
<tr>
<td>Rafter centres 1200mm</td>
<td>50 x 50mm</td>
</tr>
<tr>
<td>Rafter centres 1500mm</td>
<td>50 x 65mm</td>
</tr>
<tr>
<td>BMI Decra Fixing nails*</td>
<td>1 pack per 300 tiles</td>
</tr>
<tr>
<td>Pallet quantities</td>
<td>250 tiles</td>
</tr>
</tbody>
</table>

**TILES**
- BMI Decra Oberon (as shown above) 1005

**UNDERLAYS**
- Spirtech 400 2s underlay 9202

**EAVES PRODUCTS**
- Warm Roof Eave Closure 1045
- Eave Guard Warm Roof (30m) 1044
- Eave Guard 370 (30m) 1051
- Eave Guard 370 (Single) 1052

**VERGE PRODUCTS**
- Ridge / Barge 1023
- End Cap 1024

**VALLEY PRODUCTS**
- GRP 125 Valley (3m) 9595

**ABUTMENT PRODUCTS**
- Top Course 1025

**RIDGE & HIP PRODUCTS**
- Ridge / Barge* 1023
- End Cap* 1024

**VENTILATION PRODUCTS**
- In Line Air Vent 1038
- In Line Extract Vent 1039
- 10mm Eave Vent 1055
- 25mm Eave Vent 1056
- 10mm Over Fascia Vent 1057
- 25mm Over Fascia Vent 1058
- Universal D Ridge Vent Filler (18lm) 1054

**FIXING**
- Power Fixing Nails* 1050
- Fixing nails 1kg* 1049
- Fixing nails 6kg* 1048

**ACCESSORIES**
- Oberon kit 1065
- Flat Sheet (1250x370mm) 1064

---

We recommend the use of our tools when installing BMI Decra tiles, please call our Customer Support Team on +44 (0) 370 560 100 000

*Required for use with BMI Decra tiles
Roofing System
Accessories

From underlays to ridge systems, we have a comprehensive range of roof products. All elements of our roofs are carefully designed, tested and manufactured to give value, visual appeal and long-lasting weathertight performance.

1. Underlay
   - Spirtech 400 2S & Underlay 80-81
   - Support Tray 80-81

2. Eaves Systems
   - RedVent EavesVent 82-83
   - RedVent 25 Over-Fascia Vent 84-85
   - Rapid Eaves Vent System 86-87
   - Lightweight Metal Cold Roof Eave Vent System 88-89
   - Lightweight Metal Warm Roof Eave Vent System 90-91

3. Verge Systems
   - Cloaked Verge 92-93
   - Ambi-Dry, DryVerge and Rapid DryVerge Systems 94-95
   - Lightweight Metal Cloaked Verge System 96-97
   - Lightweight Metal Classic Verge System 98-99
   - Lightweight Metal Stratos Verge System 100
   - Lightweight Metal Plus Verge System 101

4. Hip Systems
   - Dry Hip System 102-103
   - Continuous Hip System 104-105
   - Cambrian Mitred Hip System 106-107

5. Valley Systems
   - 125 and Cambrian GRP Valley 108-109
   - Dry Valley 110-111
   - Bonding Gutter 112-113

6. Abutment Systems
   - Side Abutment GRP Secret Gutter 114-115
   - Top Edge Abutment Ventilation System 116-117
   - Lightweight Metal Side Flashing 118-119
   - Lightweight Metal Top Course 120-121

7. Ridge Systems
   - DryVent Ridge System 122-123
   - Continuous Ridge System 124-125
   - Uni-Vent Rapid Ridge/Hip 126-127
   - Ridge Vent Terminal 128-129
   - Gas Flue Ridge Terminal 130-131
   - DryVent Monoridge System 132-133
   - Lightweight Metal D Ridge & Hip System 134-135
   - Lightweight Metal Oberon Ridge & Hip System 136-137
   - Lightweight Metal Plus Ridge & Hip System 138-139

8. Ventilation Products
   - RedLine Vent Tile 140-141
   - ThruVent Tile 142-143
   - Rapid Roof Vent Tile 144-145
   - Lightweight Metal In Line Vent 146-147
   - Lightweight Metal In Line Extract Vent 148-149
   - Lightweight Metal Classic D Ridge Ventilation 150
   - Lightweight Metal Universal D Ridge Ventilation 151

9. Accessories
   - Wakaflex Rapid Flashing 152-153
   - Mortar Bedded Fixing Kit 154
   - Kro-Clip 155
   - Innofix Clip 156-157
   - Hip End Cap 158
   - Ridge End Cap 159

10. Solar Photovoltaic Roofing Systems
    - InDaX PV System 160-161

11. Ornamental Tiles, Ridges and Finials
    - 162-163
Spirtech 400 2S and underlay support tray

A heavy-duty underlay with a unique glue strip system that provides weathertight horizontal lap and passes the BS 5534:2014 wind uplift requirements for use anywhere in the UK.

**FEATURES**
- Strong, durable heavy-duty underlay system with grid reinforcement
- Superior abrasion and tear resistance
- Unique 2-strip gluing system for horizontal laps makes joints easy to bond and eliminates need for battens over the horizontal laps
- Glue strips suitable for both high and low outside temperatures
- Provides windtight system for warm and hybrid roofs, improving energy efficiency, as well as for traditional cold roofs
- Can be used without eaves ventilation when used in conjunction with a well-sealed ceiling and ridge or other high level ventilation
- Underlay Support Tray replaces the need for a timber tilting fillet and additional length of UV-resistant underlay
- Complies with BS 5534:2014 wind uplift resistance requirements for underlays everywhere in the UK for all batten gauges up to 345mm

**COMPATIBILITY**
- Spirtech 400 2S can be used with the complete BMI Redland and BMI Decra range of tiles. When used with BMI Decra Lightweight Metal tiles, it is essential that Eave Guard 370 is installed as the underlay support tray.
- Eaves Clips and Eaves Comb can be easily fixed through the Underlay Support Tray
- Suitable for use with all pitched roofs

**PERFORMANCE**
- Outstanding protection against falling objects
- Best in class watertightness after abrasion
- Suitable for use in all zones throughout the country under BS 5534:2014
- Awarded British Board of Agrément Certification, certificate number 05/4283

**COMPONENTS**
*Sold individually*

<table>
<thead>
<tr>
<th>Component</th>
<th>Roll Size (mm x m)</th>
<th>Roll Area (m²)</th>
<th>Weight (g/m²)</th>
<th>Material</th>
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<tbody>
<tr>
<td>Spirtech 400 2S</td>
<td>1.5 x 50</td>
<td>75</td>
<td>240</td>
<td>Dark grey, 4-layer, spun bond polypropylene</td>
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<tr>
<td>Underlay Support Tray</td>
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<td></td>
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<td>Recycled PVC</td>
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**PRODUCT CODES**

<table>
<thead>
<tr>
<th>Component</th>
<th>Code</th>
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<tr>
<td>Spirtech 400 2S</td>
<td>9202</td>
</tr>
<tr>
<td>Underlay Support Tray</td>
<td>9076</td>
</tr>
</tbody>
</table>
RedVent EavesVent

Provides continuous over-fascia eaves ventilation. For use when insulation is laid between or on top of the horizontal ceiling joists.

FEATURES
- Ventilates to comply with BS 5250:2011, therefore reducing the risk of harmful condensation in the roof
- Suitable for rafter spacing between 350–600mm centres (subject to pack used)
- Removes the need for unsightly grilles in the soffit board which over time could become clogged
- Eliminates the need for a tilting fillet and reduces the required height of the fascia board
- Can be installed with or without a soffit board
- 350-450mm pack is sufficient to cover 6 metres of eaves at 450mm rafter centres and 4.9 metres at 350mm centres
- 450-600mm pack is sufficient to cover 6 metres of eaves at 600mm rafter centres and 4.5 metres at 450mm centres

COMPATIBILITY
- Suitable for use with most pitched roofing materials
- Compatible with all of the BMI Redland range of Eaves Clips
- Where Eaves Clips or Eaves Comb are required for use with a particular tile profile, it is acceptable to fix them through the Fascia Grille of the RedVent EavesVent

PERFORMANCE
- Minimum pitch will depend on the minimum pitch of the roof covering
- Maximum pitch varies with tile used. Please contact Technical Services on +44 (0) 330 123 4585
- The effective ventilation area per metre run of eaves is 14,600mm²
- Mechanically fix all tiles at the eaves
- Fit to straight and level softwood fascia

PRODUCT MEASUREMENTS (MM)

<table>
<thead>
<tr>
<th></th>
<th>Q</th>
<th>R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eaves Vent 450–600mm</td>
<td>600</td>
<td>634</td>
</tr>
<tr>
<td>Eaves Vent 350–450mm</td>
<td>450</td>
<td>484</td>
</tr>
</tbody>
</table>

COMPONENTS

Each RedVent EavesVent pack contains:
- 12 fascia grilles with attached apron (PVC – black)
- 10 Eaves Ventilation Trays in the 450–600mm pack
- 14 Eaves Ventilation Trays in the 350–450mm pack (PVC – black)

Each Extension Tray pack contains:
- 10 trays in the 450–600mm pack
- 14 trays in the 350–450mm pack

PRODUCT CODES

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>Eaves Vent 450–600mm</td>
<td>9190</td>
</tr>
<tr>
<td>Extension Tray 450–600mm</td>
<td>9499</td>
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<tr>
<td>Eaves Vent 350–450mm</td>
<td>9189</td>
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<tr>
<td>Extension Tray 350–450mm</td>
<td>9498</td>
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</tbody>
</table>
RedVent 25
Over-Fascia Vent

Provides unobtrusive continuous ventilation at the eaves for use where the insulation is installed either between or above the rafters.

FEATURES
- Ventilates to comply with BS 5250:2011, therefore reducing the risk of harmful condensation in the roof
- Used for any combination of rafter spacing
- Can be installed with or without a soffit board
- Eaves closure is achieved for Regent, Grovebury, Landmark Double Pantile, Fenland Pantile, Hollander Clay Pantile and Old Hollow Clay Pantile by using Eaves Comb

COMPATIBILITY
- Suitable for use with most pitched roofing materials
- Where Eaves Clips, Eaves Comb or Underlay Support Trays are required, a 25 x 25mm softwood clip batten should be secured through the RedVent 25 Over-Fascia Vent into the fascia board with 100 x 4mm galvanized nails
- Suitable for uPVC fascias with additional timber fillet behind the fascia board

PERFORMANCE
- Minimum pitch will depend on the minimum pitch of the roof covering
- Maximum pitch varies with tile used. Please contact Technical Services on +44 (0) 330 123 4585
- The effective ventilation area per metre run of eaves is 25,000mm²

COMPONENTS
12 Fascia Grilles (Polypropylene – black) sufficient for 6 metres of eaves

PRODUCT CODE
RedVent 25 Over-Fascia Vent 9593
Rapid Eaves Vent System

Designed for use in cold pitched roofs as a means of introducing low level roof space ventilation.

**FEATURES**
- 3-part system, sold separately:
  - **Rapid 2-in-1 Eaves Tray**
    Provides continuous ventilation over the fascia while supporting the underlay at the eaves to ensure a positive fall of the underlay into the eaves gutter
  - **Rafter Roll**
    A semi-rigid, roll-out rafter ventilation tray that maintains an uninterrupted air ventilation gap between the underlay and ceiling-level insulation in the loft space
  - **Eaves Comb**
    Used to prevent birds, large insects, rodents etc. from entering the roof space. Eaves Combs are required for the following BMI Redland tiles: Landmark Double Pantile, Grovebury, Regent, Fenland Pantile, Hollander Clay Pantile, Old Hollow Clay Pantile
- Maintenance-free
- Quick and easy to install
- Can be used with either a non-breather or vapour permeable underlay

**COMPATIBILITY**
- Works with any BMI Redland slate/tile or similar
- Suitable for use with most pitched roofing materials
- Compatible with timber fascias up to 25mm thick
- Suitable for uPVC fascias with an additional timber fillet behind the fascia board
- Suitable for rafter centres up to 600mm

**PERFORMANCE**
- Rafter pitch range is 15° - 70°
- The effective ventilation area per metre run of eaves is 10,000mm²

**COMPONENTS**
3-part system sold separately

**Rafter Roll**
- Roll Size: 6m x 0.8m
- Material: PVC

**Rapid 2-in-1 Eaves Tray**
- Tray Length: 1m
- Material: Polypropylene

**Eaves Comb**
- Comb Length: 1m
- Material: Polypropylene

**PRODUCT CODES**
- **Rafter Roll** 9984
- **Rapid 2-in-1 Eaves Tray** 9988
- **Eaves Comb** 9965
Lightweight metal cold roof eaves vent system

Provides continuous over-fascia eaves ventilation. For use when insulation is laid between or on top of the horizontal ceiling joists.

FEATURES
- Ventilates to comply with BS 5250:2011, therefore reducing the risk of harmful condensation in the roof
- Suitable for rafter spacing between 350-600mm centres
- Removes the need for unsightly grilles in the soffit board which, over time, could become clogged
- Can be installed with or without a soffit board, 350-450mm pack is sufficient to cover 6 metres of eaves

PERFORMANCE
- Minimum pitch will depend on the minimum pitch of the roof covering
- The effective ventilation area per metre run of eaves is a minimum 10,000mm² dependent on roof pitch
- Mechanically fix all tiles at the eaves
- Fit to straight and level softwood fascia

COMPATIBILITY
- Suitable for use with all the profiles: Classic, Stratos, Oberon and Plus.
- Eaves Vent System 10mm complies with BS 5250:2011 on roof pitches of 16°-90°
- Eaves Vent System 10mm complies with BS 5250:2011 on roof pitches of 10°-15°

PRODUCT CODES

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>Eaves Vent System 10mm (includes 10mm over fascia vent, rafter roll and gutter spacers. Covers 6m)</td>
<td>1055</td>
</tr>
<tr>
<td>Eaves Vent System 25mm (includes 25mm over fascia vent, rafter roll and gutter spacers. Covers 6m)</td>
<td>1056</td>
</tr>
</tbody>
</table>

COLD ROOF EAVES VENT DETAIL

Decra Tiles
Tiling battens, size determined by rafter spacing
Breather membrane as appropriate
Decra Continuous rafter roll ventilator
Decra Eaves Guard fixed with one 40-50mm galvanised clout head nail at each rafter intersection, minimum 10mm from back edge of Eaves guard. Eaves guard kept 10mm min clear of front edge of second batten
Tile battens as eaves fixing point, min 20mm gap between fascia vent & batten
Breather membrane finished in line with edge of fascia, secured with galvanised clout headed nails at 300-400mm centres to the first tiling batten
Decra over fascia eaves ventilator
Decra Eaves Guard draped into gutter
Gutter spacing bracket
Top, outer edge, of fascia board to be fixed 15mm below batten height.
Lightweight metal warm roof eaves vent system

Designed for use in warm construction pitched roofs as a means of introducing low level roof space ventilation.

FEATURES
- 3-part system, sold separately:
  - **Warm Roof Eaves Guard**
    Used to aid ventilation between the rigid insulation and breather membrane
  - **Warm Roof Eaves Closure**
    Used to provide an attractive eave finish
  - **Warm Roof Eaves Mesh**
    Used to reduce the risk of insects and other creatures entering the roof, whilst keeping ventilation to required level
- Ventilates to comply with BS 5250:2011, therefore reducing the risk of harmful condensation in the roof
- To be used with a breather underlay

COMPATIBILITY
- Suitable with any tile profile: Classic, Stratos, Oberon and Plus

PERFORMANCE
- Rafter pitch range is 10° - 90°
- The effective ventilation area per metre run of eaves is a minimum 10,000mm² dependent on pitch

PRODUCT CODES

<table>
<thead>
<tr>
<th>Eaves Guard Warm Roof (30m)</th>
<th>1044</th>
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<tbody>
<tr>
<td>Eaves Closure (covers 950mm)</td>
<td>1045</td>
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</tbody>
</table>

WARM ROOF EAVES DETAIL

- Tiling battens, size determined by rafter spacing
- 50x50mm counter battens fixed to top of each rafter
- Breather membrane as appropriate
- Proprietary rigid roofing insulation of type for fitting between rafters or notched for laying on top of rafters
- First tile batten as eaves fixing point. Dimension from fascia depends on roof pitch
- Decra Eaves mesh fixed to end of counter battens
- Breather membrane finished in line with edge of fascia
- Decra warm roof closure unit fixed to first tiling batten and draped into gutter
- Top of fascia board to be fixed at top of rafter/insulation height
Cloaked Verge

The Cloaked Verge continues the tiling over the gable end using a one-piece concrete tile. The system has very high resistance to storm damage and, with no mortar required, it removes concerns about mortar failure.

FEATURES
- Easy to lay as it interlocks to the next tile
- The quickest and easiest method of installing profiled verge tiles
- Provides a neat finish to the verge
- Complies with BS 5534:2014 requirements for mechanical fixing
- Complies with BS 8612:2018

COMPATIBILITY
- Available for all our profiled tiles in all available colours except Fenland Pantile, Redland 49, Postel Clay Tile and Old Hollow Clay Pantile

PERFORMANCE
- There is no maximum pitch on lean-to roofs or where lead roll details are used
- On duo-pitch roofs above 45° the top cloaked verge tiles must be cut to a mitre
- Minimum pitch will depend upon the minimum pitch for the tile profile and surface finish
- Minimum headlap will depend upon tile profile, surface finish and rafter pitch
- Maximum headlap is 125mm (95mm for Hollander Clay Pantile)
- Maximum pitch of cloaked verge depends upon maximum pitch of ridge/monoridge system

PRODUCT CODES
- LH  RH
- Landmark Double Pantile 8333 8334
- Landmark Double Roman 8343 8344
- Grovebury 7273 7274
- 50 Double Roman 7275 7276
- Regent 7271 7272
- Renown 7277 7278
- Hollander Clay Pantile 5977 5978

PRODUCT MEASUREMENTS (MM)

<table>
<thead>
<tr>
<th>Profile</th>
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<tr>
<td>Hollander Clay Pantile</td>
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<tr>
<td>Landmark Double Pantile</td>
<td>47</td>
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<tr>
<td>Landmark Double Roman</td>
<td>37</td>
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<tr>
<td>Regent</td>
<td>49</td>
</tr>
<tr>
<td>Grovebury</td>
<td>47</td>
</tr>
<tr>
<td>50 Double Roman</td>
<td>37</td>
</tr>
<tr>
<td>Renown</td>
<td>30</td>
</tr>
</tbody>
</table>

COMPONENTS
- Cloaked Verge Tile
  - Length: 418mm (420mm for Hollander Clay Pantile)
- Material: Concrete (Clay to match BMI Redland Hollander Clay Pantile)
- Plug Material: Nylon

ACCESSORIES
- Half-Tile (concrete tiles)
- Two-Thirds Tile (Hollander Clay)
- Block-End Ridge Tile
Ambi-Dry, DryVerge and Rapid DryVerge systems

The first dry fix products launched following the publication of BS 8612, each comfortably achieving the code's requirements for durability, wind loading and rain resistance.

FEATURES

- Secure four point fixing system provides high resistance to vertical and horizontal wind loads for both verge tile and dry verge system
- Quick to install and can be laid at variable gauges to suit the minimum and maximum headlaps of the tiles
- Ambi-Dry Verge is adapted on site to fit either the left or right-hand verge
- Drip point and water channels in design avoid gable end staining
- The first dry fix verge designed specifically to meet the new BS 8612

COMPONENTS

Each DryVerge and Rapid DryVerge system contains:

- 18 Left-hand verge units (ABS or HIPS)
- 18 Right-hand verge units (ABS or HIPS)
- 36 Stainless steel screws

Gable End Packs will be required for each installation which include:

- 2 Eaves Closure Units (ABS or HIPS)
- 4 Stainless steel screws
- 1 Ridge Comb

Each Ambi-Dry Verge system contains:

- 10 Ambi-Dry verge units (PVC)
- 10 Stainless steel verge clips (Cambrian) or 10 Stainless steel screws (DuoPlain)

Eaves/Ridge Packs will be required for each installation which include:

- 1 Eaves Closure Unit (PVC)
- 1 Stainless steel eaves clip
- 1 Ridge Comb

In addition, Block-end Ridge Tiles or Ridge End Caps will be required at all ridge ends.

MAXIMUM PITCHES

<table>
<thead>
<tr>
<th>Tile / Slate</th>
<th>Duo-pitch Roofs</th>
<th>Mono-pitch Roofs</th>
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</thead>
<tbody>
<tr>
<td>Cambrian Slate</td>
<td>60°</td>
<td>67.5°</td>
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<tr>
<td>Slate 10 range</td>
<td>50°</td>
<td>75°</td>
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<tr>
<td>Mini Stonewold (inc MockBond)</td>
<td>57.5°</td>
<td>72.5°</td>
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<tr>
<td>Landmark Double Pantile</td>
<td>65°</td>
<td>75°</td>
</tr>
<tr>
<td>Landmark Double Roman</td>
<td>57.5°</td>
<td>72.5°</td>
</tr>
<tr>
<td>Grovebury</td>
<td>65°</td>
<td>75°</td>
</tr>
<tr>
<td>Regent</td>
<td>70°</td>
<td>70°</td>
</tr>
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<td>50 Double Roman</td>
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<td>Renown</td>
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<td>Fenland Pantile</td>
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<td>Redland 49</td>
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<td>65°</td>
</tr>
<tr>
<td>DuoPlain</td>
<td>60°</td>
<td>47.5°</td>
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</tbody>
</table>

COMPATIBILITY

AMBI-DRY VERGE SYSTEM WITH OVERHANG (CAMBRIAN)

COLOUR CODES

DryVerge

- Metric/15x9 & Slate 10 Dry Verve
- Slate 10 Dry Verve & Gable End packs
  - 30 Slate Grey
  - 34 Terracotta
  - 36 Brown
  - 77 Charcoal Grey
  - 78 Red
  (Metric/15x9 only)

Rapid DryVerge

- Metric/15x9 & Slate 10 Dry Verve & Gable End packs
  - 30 Slate Grey
  - 55 Rust
  - 77 Charcoal Grey

Ambi-DryVerge II

- DuoPlain & Eaves/Ridge Pack
  - 34 Terracotta
  - 36 Brown
  - 77 Charcoal Grey
  - 78 Red

Cambrian & Eaves/Ridge Pack

- 30 Slate Grey

PRODUCT CODES

| Cambrian Ambi-Dry Verve II | 9488         |
| Cambrian Ambi-Dry Verve Eaves/Ridge Pack | 9491       |
| Slate 10 Dry Verve         | 9392         |
| Slate 10 DryVerge Gable End Pack | 9882     |
| Slate 10 Rapid DryVerge    | 9393         |
| Slate 10 Rapid DryVerge Gable End Pack | 9883    |
| Metric/15x9 DryVerge       | 9390         |
| Metric/15x9 DryVerge Gable End Pack | 9880   |
| Metric/15x9 Rapid DryVerge | 9391         |
| Metric/15x9 Rapid DryVerge Gable End Pack | 9881  |
| DuoPlain Ambi-Dry Verve S  | 9911         |
| DuoPlain Ambi-Dry Verve Eaves/Ridge Pack | 9680  |

PRODUCT MEASUREMENTS (MM)

<table>
<thead>
<tr>
<th>Profile</th>
<th>A</th>
<th>B</th>
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<tbody>
<tr>
<td>Cambrian Ambi-Dry Verve II</td>
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<tr>
<td>DuoPlain Ambi-Dry Verve II</td>
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<td>Slate 10 Dry Verve</td>
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<td>413</td>
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<tr>
<td>Slate 10 Rapid DryVerge</td>
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<td>127</td>
<td>413</td>
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<tr>
<td>Metric/15x9 DryVerge</td>
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<td>154</td>
<td>413</td>
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<tr>
<td>Metric/15x9 Rapid DryVerge</td>
<td>52</td>
<td>154</td>
<td>413</td>
</tr>
</tbody>
</table>
Lightweight metal cloaked verge system

The Cloaked Verge offers a softer, more natural transition from tile to gable. The system has very high resistance to storm damage and, with no mortar required, it removes concerns about mortar failure.

FEATURES
- Easy to lay as it interlocks to the next tile
- Provides a neat finish to the verge
- Traditional cloaked appearance
- Complies with BS 5534:2014 requirements for mechanical fixing
- Complies with BS 8612:2018

COMPATIBILITY
- Available for Classic tile only

PERFORMANCE
- Can be used as low as 10° pitch and up to 90°

PRODUCT CODES

<table>
<thead>
<tr>
<th>PRODUCT CODES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Left-Hand Cloaked Verge</td>
<td>1014</td>
</tr>
<tr>
<td>Right-Hand Cloaked Verge</td>
<td>1015</td>
</tr>
</tbody>
</table>

BARGE WITH CLOAKED VERGE CAP DETAIL

Decra Cloaked Verge Cap fixed with two decra nails, through the downturned edge of the cloaked verge and halfway down the top face through the top edge of the 25mm tile upstand

Tile bent to form 25mm upstand against batten and 50mm wide flange across top of batten

Continuous batten fixed to tiling battens outside edge flush with barge board

End of tiling battens flush with outside edge of barge board

Underlay taken over top of barge board, dressed down outer face 25mm and tacked in place

Barge Board

Soffit

BARGE WITH CLOAKED VERGE CAP DETAIL

Decra Pantile

Tile Batten

Breather membrane as appropriate

Gable Ladder

CLOAKED VERGE LH

CLOAKED VERGE RH
Lightweight metal Classic verge system

The Classic barge cover has a scribed detail making for a neat aesthetic as it fits the profile of the tile. The system has very high resistance to storm damage and, with no mortar required, it removes concerns about mortar failure.

FEATURES

- The multiple fixing system provides high resistance to vertical and horizontal wind loads the verge system
- Quick to install and covers 1.11m
- Scribed to fit Classic tile profile
- Tapered to give clean line appearance on the barge

COMPATIBILITY

- Available for Classic tile only

PERFORMANCE

- Compatible with Classic and Plus tiles
- Complies with BS 5534:2014 requirements for mechanical fixing
- Complies with BS 8612:2018

PRODUCT CODES

<table>
<thead>
<tr>
<th>PRODUCT CODES</th>
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<tr>
<td>Left-Hand Barge</td>
<td>1016</td>
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<tr>
<td>Right-Hand Barge</td>
<td>1018</td>
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<td>Left-Hand Barge End Closure</td>
<td>1017</td>
</tr>
<tr>
<td>Right-Hand Barge End Closure</td>
<td>1019</td>
</tr>
</tbody>
</table>

BARGE DETAIL

- Decra Pantile
- Tile Batten
- Breather membrane as appropriate
- Underlay taken over top of barge board, dressed down outer face 25mm and tacked in place
- End of tiling battens flush with outside edge of barge board
- Barge Board
- Soffit

BARGE LH

- Dimensions: 139mm x 1250mm

BARGE RH

- Dimensions: 139mm x 1250mm
Lightweight metal Stratos verge system

The Stratos barge cover has a boxed detail, which aids in keeping clean lines whilst ensuring weather tightness to the system. Fast installation with the 1.2m cover length.

**FEATURES**
- The multiple fixing system provides high resistance to vertical and horizontal wind loads on the verge system
- Quick to install and covers 1.2m
- Can be used with all lightweight metal tile profiles
- Tapered to give clean line appearance on the barge

**COMPATIBILITY**
- Compatible with Classic, Stratos, Plus and Oberon tiles
- Complies with BS 5534:2014 requirements for mechanical fixing
- Complies with BS 8612:2018

**PRODUCT CODES**
| Left-Hand Stratos Barge | 1032 |
| Right-Hand Stratos Barge | 1033 |
| Left-Hand Stratos Barge End Closure | 1034 |
| Right-Hand Stratos Barge End Closure | 1035 |

Lightweight metal Plus verge system

The Plus barge cover is designed to be the robust verge cover. With its vandal resistance, means it can be used on the most at risk roof areas.

**FEATURES**
- The multiple fixing system provides high resistance to vertical and horizontal wind loads on the verge system
- Quick to install and covers 1.2m
- Used with Plus tile profile
- Tapered to give clean line appearance on the barge
- Vandal Resistant
- Secured By Design compliant

**COMPATIBILITY**
- Compatible with Plus tiles
- Complies with BS 5534:2014 requirements for mechanical fixing
- Complies with BS 8612:2018
- Complies to “Secured By Design” LPS1175

**PRODUCT CODES**
| Plus Barge Cap | 1027 |

**BARGE DETAIL**

---

**STRATOS BARGE LH**
Dry Hip System

With very high resistance to storm damage, the Dry Hip System has exceptional durability and is designed to last the lifetime of the roof.

FEATURES

- Provides a neat and attractive finish to the hip line
- Hip Tiles are secured to the appropriate size hip batten using Stainless Steel wood screws, which give exceptional resistance to wind uplift
- Quick to lay and can be used even when bad weather is expected
- Tried and tested and complies with BS 5534:2014 requirements for mechanical fixing
- Complies with BS 8612:2018

COMPATIBILITY

- Suitable for use with the DryVent Ridge System
- Suitable for use with Third Round and Universal Angle Hip Tiles
- Not suitable for use with Hollander Clay Pantile, Fenland Pantile, Redland 49, Postel Clay Tile and Old Hollow Clay Pantile

PERFORMANCE

- Pitch range varies according to plan angle and tile profile. Please contact Technical Services on +44 (0) 330 123 4585
- Minimum and maximum pitch will depend upon the minimum and maximum pitch of the roof tiles
- This system is designed for use where pitches to either side of the hip are equal. Where the roof pitches are uneven please contact Technical Services on +44 (0) 330 123 4585

COMPONENTS

Each Dry Hip System pack contains sufficient components to secure 2.7 metres of concrete Hip Tiles. Each pack contains:

- Rollable Weathertight Membrane (grey) – 320mm x 2.75m
- Hip Tile Supports (Polypropylene – black)
- Hip Batten Straps (Stainless Steel)
- Spacer Blocks (PVC – black)
- Head Clips (Stainless Steel)
- Tail Clips (Aluminium)
- 100mm Woodscrews (Stainless Steel)
- Rafter Nails (Stainless Steel)
- Hip Batten Nails (Stainless Steel)
- In addition, concrete Hip Tiles with nail holes will be required in a colour to suit, with matching Block-End Hip Tiles at the eaves
- A Hip/Ridge Junction will also be required where appropriate

PRODUCT CODES

| Metric tiles / Stonewold II | 9046 |
| Slate 10 / Plain Tile | 9047 |
| Natural Slate / Cambrian Slate | 9048 |
| DuoPlain | 9534 |
Continuous Hip System

An easy and quick-to-fit, maintenance-free hip system with very high resistance to storm damage. With no mortar required it removes concerns about mortar failure.

FEATURES

- Hips are up to a third quicker to complete than when mortar bedded
- Hip Tiles are secured to the appropriate size hip batten using Stainless Steel woodscrews, which give exceptional resistance to wind uplift
- Provides a neat and attractive finish to the hip line
- Easy to install and can be used even when bad weather is expected
- Ventilates the batten cavity to comply with BS 5250:2011, therefore reducing the risk of harmful condensation in the roof (when used with Spirtech 400 2S vapour permeable underlay)
- Tried and tested and complies with BS 5534:2014 requirements for mechanical fixing
- Complies with BS 8612:2018

COMPATIBILITY

- Suitable for use with the Continuous Ridge and Uni-Vent Rapid Ridge/ Hip Systems
- Not compatible with Old Hollow Clay Pantile
- Suitable for use with Third Round and Universal Angle Hip Tiles
- Suitable for use with the BMI Redland range of tiles and slates

PERFORMANCE

- Pitch range varies according to plan angle and tile profile. Please contact Technical Services on +44 (0) 330 123 4585
- Minimum and maximum pitch will depend upon the minimum and maximum pitch of the roof tiles
- This system is designed for use where pitches to either side of the hip are equal. Where the roof pitches are uneven please contact Technical Services on +44 (0) 330 123 4585

COMPONENTS

Each Continuous Hip pack contains sufficient components to secure 5 metres of concrete Hip Tiles:

- Rollable Weathertight Membrane (grey) – 295mm x 5m
- GRP Hip Tile Support Tray (grey)
- Hip Tile Supports (Polypropylene – black)
- Hip Batten Straps (Stainless Steel)
- Spacer Blocks (PVC – black)
- Head Clips (Stainless Steel)
- Tail Clips (Aluminium)
- 100mm Woodscrews (Stainless Steel)
- Rafter Nails (Stainless Steel)
- Hip Batten Nails (Stainless Steel)
- In addition, concrete Hip Tiles with nail holes will be required in a colour to suit, with matching Block-End Hip Tiles at the eaves
- A 50 x 50mm or 50 x 38mm hip batten must be fixed
- A Hip/Ridge Junction will also be required where appropriate

PRODUCT CODES

| Metric tiles / Stonewold II  | 9028 |
| Fenland Pantile / Redland 49 | 9502 |
| Natural Slate / Cambrian Slate | 9503 |
| DuoPlain | 9562 |
| Hollander Clay Pantile / Fontenelle / Westminster Slate | 9870 |
| Slate 10 / Plain Tile | 9524 |
Cambrian Mitred Hip System

Specifically designed for use with Cambrian Slates to achieve a neat mitred hip detail, whilst ensuring very high resistance to storm damage over a wide range of rafter pitches and plan angles.

FEATURES

- Provides a neat and attractive finish to the hip line
- Easy to install and can be used even when bad weather is expected
- Tried and tested and complies with BS 5534:2014 requirements for mechanical fixing

COMPATIBILITY

- Suitable for use with all Cambrian Slate products

PERFORMANCE

- At 90° plan angle, the minimum pitch is 15° and the maximum pitch is 80°. For other plan angles, refer to the table adjacent

COMPONENTS

The Cambrian Mitred Hip System contains sufficient components in each pack for ten courses of slates.

Each pack contains:
- Hip Weathering Units (Polypropylene – grey) x 10
- Tail Clips and Screws (Stainless Steel) x 10

PRODUCT CODE

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<tr>
<td>Cambrian Mitred Hip System</td>
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CAMBRIAN MITRED HIP SYSTEM

Stainless Steel Screw and Clip

CAMBRIAN DOUBLE SLATE or Slate-and-a-half cut to rake of hip, see guidance notes

Spirtech 400 2S

Trussed rafter

PLAN ANGLE AGAINST ROOF PITCH

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</table>

For higher plan angles please see Roofing System Accessories Guide.
125 and Cambrian GRP Valleys

Designed as a cost-effective alternative to lead, the 125 and Cambrian GRP Valleys are easy to fix, durable and lightweight. They are ideal for most types of roof design which have a valley junction between two roof slopes.

**FEATURES**
- Easily cut and available in 3 metre lengths
- Tried and tested and complies with BS 5534:2014 requirements for valleys
- Fire tested to BS 476-3:2004
- Manufactured from long-lasting UV-resistant Glass Reinforced Polyester (GRP)

**COMPATIBILITY**
- 125 Valley is suitable for all of the BMI Redland range of tiles and slates (except Cambrian Slates for which the Cambrian GRP Valley is used) and BMI Decra range of tiles.

**PERFORMANCE**
- Minimum pitch 17.5° at 90° plan angle
- Maximum pitch 45° at 90° plan angle
- For pitch range at plan angles other than 90° please contact Technical Services on +44 (0) 330 123 4585
- Width of valley gutter 125mm
- Where roof plan area discharging into the valley is greater than 25m², minimum rafter pitch is 30°
- Valley can accommodate a 5° pitch variance between slopes

**COMPONENTS**
- 125 and Cambrian GRP Valleys
- Valley Size: 3m x 0.4m
- Material: Glass Reinforced Polyester (GRP)
- Product Codes:
  - Cambrian GRP Valley: 9553
  - 125 GRP Valley: 9595

**125 GRP VALLEY (FENLAND PANTILE)**
- 125mm width between vertical faces of valley
- SpriTech 400 2S underlay turned up onto SW support batten
- Fenland Pantile cut to rake of valley and mechanically fixed
- 125 GRP Valley nailed to 25mm thick SW valley battens
- 250 x 19mm valley support board cut between trussed rafters and supported on 25mm thick noggins nailed to rafters. Top surface of support board must be flush with top of trussed rafters

**PRODUCT CODES**
- Cambrian GRP Valley 9553
- 125 GRP Valley 9595
Dry Valley

A mortar-free, dry fix system that is fast to install in all weather conditions providing a neat, close cut and mitred finish.

FEATURES
- Two products:
  - Dry Valley High Profile – with a central upstand of 105mm
  - Dry Valley Low Profile – with a central upstand of 80mm
- Available in standard lead grey colour
- Lightweight and flexible
- Safe and easy to cut
- Manufactured from long-lasting UV-resistant Glass Reinforced Polyester (GRP)

COMPATIBILITY
- Designed to fit directly onto either existing or new valley support boards
- Dry Valley High Profile is compatible with Plain Tile, Heathland, Rosemary Clay plain tiles and all BMI Redland profiled tiles
- Dry Valley Low Profile is compatible with natural slates, fibre-cement slates, all BMI Redland appearance tiles, DuoPlain and Fontenelle Interlocking Clay Plain Tile

PERFORMANCE
- Pitch range is 17.5 - 60° at any plan angle with a maximum difference between the two adjacent roof slopes of 20°
- Roof area on plan draining into valley is maximum 100m²
- No sealing or jointing material is required if the following overlaps and rafter pitches are used:
  - Below 22.5°: 350mm
  - 22.5° - 29.5°: 300mm
  - 30° - 39.5°: 200mm
  - 40° and above: 150mm

COMPONENTS
- Dry Valley
  - Valley Size: 3m x 0.36m
  - Material: Glass Reinforced Polyester (GRP)

PRODUCT CODES
- Dry Valley – Low Profile 9575
- Dry Valley – High Profile 9574
Bonding Gutter

A mortar-free, dry fix system designed to weatherproof the junction between two adjacent roof coverings. It is quick and easy to install in all weather conditions and provides a neat finish.

FEATURES
- Two products:
  - Bonding Gutter High Profile – with a central upstand of 100mm
  - Bonding Gutter Low Profile – with a central upstand of 70mm
- Available in standard lead grey colour
- Lightweight and flexible
- Safe and easy to cut
- Manufactured from long-lasting UV-resistant Glass Reinforced Polyester (GRP)

COMPATIBILITY
- If one of the roof slopes has high profiled tiles, the Bonding Gutter High Profile will be required
- Bonding Gutter High Profile is compatible with Plain Tile, Heathland, Rosemary Clay plain tiles and all BMI Redland profiled tiles
- Bonding Gutter Low Profile is compatible with natural slates, fibre-cement slates, all BMI Redland slate appearance tiles, DuoPlain and Fontenelle Interlocking Clay Plain Tile

PERFORMANCE
- No sealing or jointing material is required if the following overlaps and rafter pitches are used:
  - Below 22.5°: 350mm
  - 22.5° - 29.5°: 300mm
  - 30° - 39.5°: 200mm
  - 40° and above: 150mm

COMPONENTS

PRODUCT CODES

<table>
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<tr>
<th>Product Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>9580</td>
<td>Bonding Gutter – Low Profile</td>
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<td>9578</td>
<td>Bonding Gutter – High Profile</td>
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<table>
<thead>
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<th>Material</th>
<th>Glass Reinforced Polyester (GRP)</th>
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</thead>
<tbody>
<tr>
<td>Gutter Size</td>
<td>3m x 0.21m</td>
</tr>
</tbody>
</table>
Side Abutment GRP Secret Gutter

Offers a secondary line of defence against wind-driven rain where a roof slope abuts a vertical wall. Being easy to cut and install makes this product an ideal solution for these otherwise complicated details.

**FEATURES**
- Lightweight, easy to handle
- 3 metre lengths
- Fire tested to BS 476-3:2004

**COMPATIBILITY**
- Suitable for all flat interlocking slates in the BMI Redland range, DuoPlain and Fontenelle Interlocking Clay Plain Tile
- For Cambrian Slates use Standard Slates and Slate-and-a-Halves on alternate courses
- For all other slates use Left-hand Verge Slates with interlock removed and Left-hand Half Slates alternately on left-hand abutments. Use Standard Slates and Right-hand Half Slates alternately on right-hand abutments
- For DuoPlain use Standard Tiles with interlock removed and Left-hand ¼ Tiles alternately on left hand abutments. Use Standard Tiles and Right-hand ¼ Tiles alternatively on right-hand abutments
- For Fontenelle Interlocking Clay Plain Tile use Left-hand Verge Tiles and Left-hand Verge Tile-and-a-Halves on left-hand abutments and standard tiles and Tile-and-a-Halves on right-hand abutments
- For Westminster Slate use Left-hand Verge Slates and Left-hand Half Slates on left hand abutments and Standard Slates and Right-hand Half Slates on right hand abutments

**Gutter Overlap:**
- 150mm overlap for rafter pitch 30° and above
- 200mm overlap for rafter pitch 22.5° - 29.5°
- 250mm overlap for rafter pitch 17.5° - 22°
- 300mm overlap for rafter pitch 15° - 17°

**PERFORMANCE**
- Minimum pitch 15°
- Maximum pitch 90°

**SIDE ABUTMENT GRP SECRET GUTTER (SAXON 10 SLATE)**

**COMPONENTS**
- Gutter Size: 3m x 0.95m
- Material: Glass Reinforced Polyester (GRP)
- Product Code: 9596
Top Edge Abutment Ventilation System

Provides a continuous, unobtrusive, ventilation path from the roof void to the outside. The innovative design enables the system and cover flashing to be installed far quicker than when traditional methods are used.

FEATURES
- Ventilates to comply with BS 5250:2011, therefore reducing the risk of harmful condensation in the roof
- Tried and tested and complies with BS 5534:2014 requirements for mechanical fixing
- Profile filler units bespoke to each tile type
- Ideal for lean-to-extensions

PERFORMANCE
- Minimum pitch will depend upon the minimum pitch of the roof tiles but must not be less than 15°
- Maximum pitch 60° (except Stonewold II 44°)
- The effective ventilation area per metre run of abutment is 5,000mm²

COMPATIBILITY
- Available for all tiles and slates in the BMI Redland range except Hollander Clay Pantile, Fenland Pantile, BMI Redland 49, Postel Clay Tile and Old Hollow Pantile
- For natural slate contact Technical Services on +44 (0) 330 123 4585
- Can be used in conjunction with either lead or Wakaflex Rapid Flashing

COMPONENTS
Each pack contains sufficient components for 3m of abutment:
- Profile Filler Units (uPVC – grey) (tile specific)
- Lead Support Trays (uPVC – grey)
- Rachet Clips and Spacer Blocks (uPVC – grey).

PRODUCT CODES

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<td>Regent</td>
<td>9542</td>
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<td>50 Double Roman / Landmark Double Roman</td>
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<tr>
<td>Renown</td>
<td>9544</td>
</tr>
<tr>
<td>Flat Tiles and Slates</td>
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</table>
Lightweight Metal Side Flashing

Offers a secondary line of defence against wind-driven rain where a roof slope abuts a vertical wall. Being easy to cut and install makes this product an ideal solution for these otherwise complicated details.

FEATURES

- Lightweight, easy to handle 1.2m lengths
- Fire tested to BS 476-3:2004

COMPATIBILITY

- Suitable for Classic and Plus. The serrated design matches into the tile profile

PERFORMANCE

- Minimum pitch 10°
- Maximum pitch 90°

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<thead>
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<tr>
<td>Left-Hand Side Flashing</td>
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</table>

METAL SIDE FLASHING DETAIL

- Cavity Tray
- Lead flashing dressed in below cavity tray and down over Decra Side Flashing
- Decra Breather membrane turned up behind tile upstand
- Decra 0.43mm gauge side flashing turned up walls 75mm minimum and secured with four Decra nails
- Decra tile turned up 75mm at edge to lap with Side flashing
- Breath membrane as appropriate
- 50mm minimum clear ventilated space

BMT Decra
Lightweight Metal
Top Course

Provides a continuous, unobtrusive, ventilation path from the roof void to the outside. The innovative design enables the system and cover flashing to be installed far quicker than when traditional methods are used.

FEATURES
- Ventilates to comply with BS 5250:2011, therefore reducing the risk of harmful condensation in the roof
- Tried and tested and complies with BS 5534:2014 requirements for mechanical fixing
- Ideal for lean-to-extensions

PERFORMANCE
- Minimum pitch will depend upon the minimum pitch of the roof tiles but must not be less than 10°
- Maximum pitch 90°
- The effective ventilation area per metre run of abutment is 5,000mm²

COMPATIBILITY
- Available for all profiles, Classic, Stratos, Oberon and Plus
- Can be used in conjunction with either lead or Wakaflex Rapid Flashing

PRODUCT CODES

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<tr>
<td>Oberon Top Course</td>
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TOP ABUTMENT
- Lead Flashing
- Decra Top Course
- Decra Universal D Ridge/Hip ventilator
- Decra tiles turned up 25 to 38mm against top batten
- Tiling battens
- Breather membrane as appropriate
DryVent Ridge System

Provides a continuous, weathertight ventilation path from the roof void to the outside. The system can also be easily converted when no high-level ventilation is required at the ridge. Both solutions provide a durable method of securing ridge tiles.

**FEATURES**
- Profile Filler Units bespoke to each tile type
- Provides a neat and attractive finish to the ridge line
- Easy to install and can be used even when bad weather is expected
- Ventilates and complies with BS 5250:2011, therefore reducing the risk of harmful condensation in the roof
- Tried and tested and complies with BS 5534:2014 requirements for mechanical fixing
- Complies with BS 8612:2018

**COMPATIBILITY**
- Available for all tiles and slates in the BMI Redland range except Hollander Clay Pantile, Fenland Pantile, BMI Redland 49, Postel Clay Tile and Old Hollow Pantile
- Suitable for use with concrete Half Round and Universal Angle Ridge Tiles and Rosemary Clay Half Round Ridge Tiles (300mm)

**PERFORMANCE**
- For minimum and maximum pitches, refer to the table on the next page
- Must not be used in a pitch below 15°

**PRODUCT MEASUREMENTS (MM)**

<table>
<thead>
<tr>
<th>Product</th>
<th>J</th>
<th>K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Profile Filler Unit</td>
<td></td>
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<tr>
<td>Plain Tile appearance/Slate</td>
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<tr>
<td>Landmark Double Pantile</td>
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<tr>
<td>Landmark Double Roman</td>
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<tr>
<td>Regent</td>
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<td>298</td>
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<tr>
<td>Grovebury</td>
<td>59</td>
<td>298</td>
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<tr>
<td>50 Double Roman</td>
<td>47</td>
<td>298</td>
</tr>
<tr>
<td>Renown</td>
<td>40</td>
<td>298</td>
</tr>
</tbody>
</table>

**COMPONENTS**

Each pack contains sufficient components to secure a 2.7 metre ridge line (1.8 metres for Rosemary tiles):
- Profile Filler Units (uPVC – grey): tile specific.
- 6 Ridge-to-Ridge Seals (either Universal Angle or Half Round) (Polypropylene – black) with Stainless Steel woodscrews and clamp plates.
- 6 Stainless Steel ridge batten straps with 12 Stainless Steel ring shank nails.
- In addition, Block-End Ridge Tiles or Ridge End Caps will be required for all ridge situations.

**PRODUCT CODES**

<table>
<thead>
<tr>
<th>Product</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rosemary</td>
<td>9056</td>
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<tr>
<td>Flat Tiles (Half Round)</td>
<td>9058</td>
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<tr>
<td>Flat Tiles (Universal Angle)</td>
<td>9059</td>
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<tr>
<td>Ornamental</td>
<td>9085</td>
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<tr>
<td>Grovebury / Landmark Double Pantile</td>
<td>9094</td>
</tr>
<tr>
<td>50 Double Roman / Landmark Double Roman</td>
<td>9095</td>
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<tr>
<td>Regent</td>
<td>9096</td>
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<tr>
<td>Renown</td>
<td>9097</td>
</tr>
</tbody>
</table>
Continuous Ridge System

Provides both high-level ventilation and mechanically fixed ridge tiles. The system is a genuine alternative to a mortar-bedded ridge with the added advantage of being quicker and requiring less skill to install.

**FEATURES**
- Uses Ridge-to-Ridge Seals that match the profile of the BMI Redland ridge tiles perfectly to give a guaranteed weathertight seal
- Traditional appearance
- Up to 33% quicker to fit than a mortar-bedded ridge
- Easy to install and can be laid even when bad weather is expected
- Continuous Ridge Systems ventilate and comply with BS 5250:2011, therefore reducing the risk of harmful condensation in the roof void
- Tried and tested and complies with BS 5534:2014 requirements for mechanical fixing
- Complies with BS 8612:2018

**COMPATIBILITY**
- Compatible with natural slate, concrete slates, profile tiles and plain tiles
- Not compatible with Old Hollow Clay Pantile or Fontenelle Interlocking Clay Plain Tile
- For Rosemary clay tiles please contact Technical Services on +44 (0) 330 123 4585
- Not compatible with Ridge Vent Terminals, Gas Flue Terminals, Clay Half Round Ridge or Ornamental Ridge

**CONTINUOUS RIDGE SYSTEM (MINI STONEWOLD)**

**COMPONENTS**
Each pack contains sufficient components to secure a 5 metre ridge line:
- 5 metres of Rollable Weathertight Membrane.
- 11 Ridge-to-Ridge Seals (either Universal Angle or Half Round) (Polypropylene – black) with Stainless Steel woodscrews and clamp plates.
- 9 Stainless Steel ridge batten straps with 18 Stainless Steel ring Shank nails.
- 2 Stainless Steel end ridge fixings.

**ACCESSORIES**
- In addition, Block-End Ridge Tiles or Ridge End Caps will be required for all ridge situations.

**PRODUCT CODES**
- Flat Tile (Half Round) 9302
- Profile tiles (Half Round) 9304
- Universal Angle 9308
Uni-Vent Rapid Ridge/Hip

Uni-Vent Rapid Ridge/Hip is a simple and quick to install system providing a secure, weatherproof and mortar-free universal solution for the mechanical fixing of ridge and hip tiles.

**FEATURES**

- Uses a flexible Ridge-to-Ridge Seal to enable use with both Half Round and Universal Angle concrete ridge tiles and similar ridge profiles
- Traditional appearance
- Up to 33% quicker to fit than a mortar-bedded ridge
- Easy to install and can be laid even when bad weather is expected
- Uni-Vent Rapid Ridge/Hips ventilate and comply with BS 5250:2011, therefore reducing the risk of harmful condensation in the roof void
- Complies with BS 5534:2014 requirements for mechanical fixing
- Complies with BS 8612:2018

**COMPATIBILITY**

- Compatible with natural slate, concrete slates, clay slates, profile tiles and plain tiles
- For Rosemary clay tiles please contact Technical Services on +44 (0) 330 123 4585
- Not compatible with Ridge Vent Terminals, Gas Flue Terminals, Clay Half Round Ridge or Ornamental Ridge

**COMPONENTS**

Each pack contains sufficient components to secure a 10 metre ridge line:

- 10 metres of Rollable Weathertight Membrane
- 22 Universal Flexi-Seals with Stainless Steel woodscrews and Clamping Plates
- 17 Stainless Steel Batten Straps with 34 Stainless Steel ring shank nails.

**ACCESSORIES**

- In addition, Block-End Ridge Tiles or Ridge End Caps will be required for all ridge situations.

For use on hips, the following accessories are also available:

- Hip Support Tray (1.2m)
- Kro-Clips

**PRODUCT CODES**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>9313</td>
<td>Uni-VentRapid Ridge/ Hip Pack</td>
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<tr>
<td>9069</td>
<td>Hip Support Tray (1.2m)</td>
</tr>
<tr>
<td>9142</td>
<td>Kro-Clips</td>
</tr>
</tbody>
</table>
Ridge Vent Terminal

Can be used for soil pipe, roof space ventilation or mechanical extraction. It can be incorporated into a DryVent Ridge or a mortar bedded ridge.

FEATURES
- Ventilates to comply with BS 5250:2011, therefore reducing the risk of harmful condensation in the roof
- Tried and tested and complies with BS 5534:2014 requirements for mechanical fixing
- Complies with BS EN 12056-2:2000 Gravity Drainage Systems Inside Buildings

COMPATIBILITY
- Available in concrete Half Round and Universal Angle Ridge Tiles
- Not suitable for use with Uni-Vent Rapid Ridge/Hip, Continuous Ridge or on hip details
- Cannot be used as a gas flue

PERFORMANCE
- Minimum and maximum pitch will depend on the tile profile and whether ridge tiles are dry fixed or mortar bedded
- The effective ventilation area for each terminal is 8,400mm²
- To achieve roof space ventilation of 5,000mm²/m run, they should be spaced at 1.68m centres
- The pressure/air flow resistance characteristics of the terminal are as follows:
  - At 15 litres/sec – 6.5 Pa:
  - At 30 litres/sec – 26 Pa:
  - At 60 litres/sec – 104 Pa:

COMPONENTS
Each Ridge Vent Terminal is supplied ready assembled from the following:
- Terminal cap and duct (uPVC – grey)
- Ridge Tile (concrete/clay – various)

ACCESSORIES
- Vent Adaptor
- Flexible Pipe

PRODUCT CODES
<table>
<thead>
<tr>
<th></th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Half Round</td>
<td>7253</td>
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<tr>
<td>Universal Angle</td>
<td>7254</td>
</tr>
<tr>
<td>DuoPlain</td>
<td>7402</td>
</tr>
<tr>
<td>Landmark Universal Angle</td>
<td>8330</td>
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<tr>
<td>Landmark Half Round</td>
<td>8310</td>
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<tr>
<td>Vent Adaptor</td>
<td>9175</td>
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<tr>
<td>Flexible Pipe</td>
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PRODUCT MEASUREMENTS (MM)

<table>
<thead>
<tr>
<th>Ridge Tile</th>
<th>U</th>
<th>V</th>
<th>W</th>
<th>X</th>
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<td>Half Round</td>
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<td>256</td>
<td>450</td>
<td>52</td>
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<tr>
<td>Universal Angle</td>
<td>106</td>
<td>255</td>
<td>450</td>
<td>34</td>
</tr>
</tbody>
</table>

Flexible Pipe (sold separately)

HALF ROUND RIDGE VENT TERMINAL (CONCRETE)
WITH DRYVENT RIDGE SYSTEM (REGENCY)
Gas Flue Ridge Terminal

Designed for use on duo-pitched roofs in conjunction with concrete Half Round or Universal Angle Ridge Tiles on DryVent Ridge or bedded ridges. The Terminal is of low airflow resistance design, to enable flue gases to escape even under high wind speed conditions.

**FEATURES**
- The Terminal is of low resistance to prevent spillage occuring under certain wind speed conditions and complies with BS 5534:2014 requirements for mechanical fixing
- Complies with BS 5440-2:2009. Flueing and Ventilation for gas appliances of rated input not exceeding 70kW net

**COMPATIBILITY**
- Available in concrete Half Round and Universal Angle Ridge Tiles
- Available in a limited range of Traditional and Heritage colours only
- Gas Flue Blanking Plates packs are required when used in conjunction with DryVent Ridge System
- Not suitable for use with Continuous Ridge Systems or Uni-Vent Rapid Ridge/Hip
- Not suitable for gas-fired condensing boilers
- Not suitable for use as a ventilation tile. For roof space, mechanical and soil pipe ventilation, please use the BMI Redland Ridge Vent Terminal

**PERFORMANCE**
- Minimum and maximum pitch will depend on the tile profile and whether ridge tiles are dry fixed or mortar bedded
- The Terminal is suitable for gas appliances of rated input not exceeding 60kW, but it is not suitable for terminating flues from traditional coal or oil burning appliances. Please check suitability with your gas coal effect fire supplier
- This product is only suitable where the flue can be terminated through a 100mm or 125mm type ‘R’ adaptor (not supplied by BMI Redland)

**COMPONENTS**
Each Gas Flue Ridge Terminal is supplied ready assembled from the following components:
- Ridge Tile (concrete – various colours)
- Bird Screen (Stainless Steel)
- Sealing Gasket (neoprene – black)

**ACCESSORIES**
- Extension Adaptor
- Sealing Gasket
- ‘R’ type adaptor (not supplied by BMI Redland)
- Blanking Plate

**PRODUCT CODES**

<table>
<thead>
<tr>
<th>Component</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>Half Round Gas Flue Terminal</td>
<td>7241</td>
</tr>
<tr>
<td>Universal Angle Gas Flue Terminal</td>
<td>7242</td>
</tr>
<tr>
<td>Extension Adaptor</td>
<td>9143</td>
</tr>
<tr>
<td>Sealing Gasket</td>
<td>9146</td>
</tr>
<tr>
<td>Blanking Plate (Slates &amp; Plain Tiles)</td>
<td>9099</td>
</tr>
<tr>
<td>Blanking Plate (Grovebury / 50 Double Roman / Regent / Renown)</td>
<td>9098</td>
</tr>
</tbody>
</table>

**PRODUCT MEASUREMENTS (MM)**

<table>
<thead>
<tr>
<th>Component</th>
<th>Measurement</th>
</tr>
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<tbody>
<tr>
<td>Gas Flue Ridge Terminal</td>
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<tr>
<td>Half Round</td>
<td>170</td>
</tr>
<tr>
<td>Universal Angle</td>
<td>167</td>
</tr>
</tbody>
</table>

**GAS FLUE RIDGE TERMINAL WITH DRY VENT RIDGE SYSTEM (MINI STONEWOLD)**

- 50mm gap from top batten to center line of ridge
- Spirtech 400 2S underlay cut back to line of top batten
- Mini Stonewold slate. Must be mechanically fixed

---

*Images and diagrams not included in this text.*
DryVent Monoridge System

Provides a continuous weathertight ventilation path from the roof void to the outside. The mechanically-fixed system complies with the requirements of the Building Regulations.

FEATURES

- Suitable for use with concrete Half Round and Universal Angle Monoridge Tiles
- Minimum pitch will depend upon the minimum pitch of the roof tiles but must not be less than 15°
- Maximum pitch for DuoPlain, Landmark Double Pantile, Landmark Double Roman, Grovebury, Renown and 50 Double Roman is 47.5°, maximum pitch for Slate 10 range and Mini Stonewold is 52.5° (Stonewold II 44°). For all other interlocking tiles, maximum pitch is 45°
- Maximum pitch for Plain Tiles is 55°
- The effective ventilation area per metre run of ridge is 5,000mm²

PERFORMANCE

- Provides a neat and attractive finish
- Profile filler units bespoke to each tile type
- Easy to install and can be laid even when bad weather is expected
- Ventilates to comply with BS 5250:2011, therefore reducing the risk of harmful condensation in the roof
- Tried and tested and complies with BS 5534:2014 requirements for mechanical fixing
- Complies with BS 8612:2018

COMPATIBILITY

- Available for all tiles and slates in the BMI Redland range except Hollander Clay Pantile, Fenland Pantile, Redland 49, Postel Clay Tile and Old Hollow Clay Pantile
- Suited for use with concrete Half Round and Universal Angle Monoridge Tiles
- Maximum pitch for DuoPlain, Landmark Double Pantile, Landmark Double Roman, Grovebury, Renown and 50 Double Roman is 47.5°, maximum pitch for Slate 10 range and Mini Stonewold is 52.5° (Stonewold II 44°). For all other interlocking tiles, maximum pitch is 45°
- Maximum pitch for Plain Tiles is 55°
- The effective ventilation area per metre run of ridge is 5,000mm²

PRODUCT CODES

- Plain Tile Appearance/Slate 9084
- Landmark Double Pantile 9080
- Landmark Double Roman 9082
- Regent 9079
- Grovebury 9080
- 50 Double Roman 9082
- Renown 9081

COMPONENTS

Each pack contains sufficient components to secure 6 concrete Monoridge Tiles:

- Profile Filler Units (uPVC – grey) (tile specific)
- Monoridge, Ridge-to-Ridge Seal (polypropylene – black)
- Fixing Screws (Stainless Steel) and Washers (neoprene)

ACCESSORIES

- In addition, concrete Monoridge Tiles will be required in a colour to suit, with matching Mono Block-End Ridge Tiles, left or right-hand, at all gable ends or End Caps
- A timber batten, 25mm thick, must be fixed vertically to allow monoridge tile fixing
Lightweight metal D ridge and hip system

With very high resistance to storm damage, the D Ridge System has exceptional durability and is designed to last the lifetime of the roof.

FEATURES
- Provides a neat and attractive finish to the ridge and hip line
- D Ridges are secured to the appropriate size ridge and hip batten using fixings nails
- Quick to fit and can be used even when bad weather is expected
- Tried and tested and complies with BS 5534:2014 requirements for mechanical fixing
- Ridge and Hip end closures are available to match
- Fully dry fix system
- Over-sized XL D Ridge available for wider ridge requirements
- Complies with BS 8612:2018

COMPATIBILITY
- Suitable for use with Classic, Stratos and Plus
- Suitable for use in conjunction with both Classic D Ridge Vent Filler and Universal Vent Filler

PERFORMANCE
- B Bridge is used for party wall/junction detailing

PRODUCT CODES

<table>
<thead>
<tr>
<th>Component</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>D Ridge</td>
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<tr>
<td>D Ridge End Closure</td>
<td>1010</td>
</tr>
<tr>
<td>D Ridge Hip Closure</td>
<td>1011</td>
</tr>
<tr>
<td>XL Ridge</td>
<td>1012</td>
</tr>
<tr>
<td>B Ridge</td>
<td>1013</td>
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</tbody>
</table>

VENTILATED D RIDGE DETAIL

Felt cut back at ridge minimum 10mm to allow clear ventilation to roof space

VENTILA TED D RIDGE DETAIL

D Ridge Fascia

Decra Universal D Ridge/Hip Ventilator

Decra Plus Tiles

Tiling battens

Decra D Ridge sealing strip attached to the underside of 50x25mm batten

‘D’ Type Ridge Cap 0.43mm gauge (1200mm cover length), folded to shape shown & fixed four times both sides with Decra plus Nails/Screws

2x25x50mm battens

Roofing felt cut back 10mm for ventilation

Decra Universal D Ridge Ventilator

Decra Stratos Tiles

50x38mm battens

Stratos D type Ridge Cap (1200mm cover length) fixed four times with Decra Nails

Decra D Ridge sealing strip attached to the underside of 50x25mm batten

Tiling battens, minimum thickness 3.8mm, size determined by rafter spacing.

Breather membrane as appropriate
Lightweight metal Oberon ridge and hip system

An easy and quick-to-fit, maintenance-free system for Oberon, with very high resistance to storm damage. With no mortar required install, this system removes concerns about mortar failure.

FEATURES
- Oberon Ridge/Barge is used for all ridge, hip and verge needs
- They are secured to the appropriate size batten using only two fixings nails, which give exceptional resistance to wind uplift
- Provides a neat and attractive finish to all edge details
- Matching end cap available to finish ends
- Easy to install and can be used even when bad weather is expected
- Ventilates the ridge and hip to comply with BS 5250:2011, when using the Universal D Ridge Vent Filler
- Tried and tested and complies with BS 5534:2014 requirements for mechanical fixing
- Complies with BS 8612:2018

COMPATIBILITY
- Suitable for use with Oberon Tile. Also compatible with Stratos Tile
- Suitable for use on ridge, hip and verge

PERFORMANCE
- Minimum pitch of 15° and maximum pitch is 90°

PRODUCT CODES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>Oberon Ridge/Barge</td>
<td>1023</td>
</tr>
<tr>
<td>Oberon End Cap</td>
<td>1024</td>
</tr>
</tbody>
</table>

HIP DETAIL USING RIDGE/BARGE CAP

Continuous 50x25mm batten fixed to tiling battens
Decra Oberon Tiles

Tiling battens, minimum thickness 25mm, size determined by rafter spacing
Breather membrane as appropriate

RIDGE DETAIL

Decra Universal Hip and Ridge Ventilator
25x50mm battens
Oberon tile Ridge/barge Cap
370mm cover suitable for roof pitches from 15° to 45°. Fixed with one Decra Nail each side of the barge cap near the end lap
Oberon Tiles
Tiling battens, minimum thickness 25mm, size determined by rafter spacing
Breather membrane as appropriate

BARGE DETAIL

Decra Oberon Ridge/Barge cap fixed with one Decra Nail on each side of the ridge cap near the end lap. Cap dressed down over tile upstand.

First course of tiles from gable ends to be cut at random lengths
Breather membrane as appropriate

Oberon Tiles
Tie Batten
Gable Ladder
Barge Board
Soffit
Ridge/barge Component Isometric

Tiling battens, minimum thickness 25mm, size determined by rafter spacing
Breather membrane as appropriate
Lightweight metal Plus
ridge and hip system

Providing a weather tight and secure ridge and hip solution whilst being extremely vandal resistant.

FEATURES

- Traditional angle shaped for ridge and hips
- Provides a neat and attractive finish
- Easy to install and can be used even when bad weather is expected
- When ventilated, it complies with BS 5250:2011, therefore reducing the risk of harmful condensation in the roof
- Tried and tested and complies with BS 5534:2014 requirements for mechanical fixing
- Vandal resistant, even on the highest risk roofs
- Complies with BS 8612:2018

COMPATIBILITY

- Compatible with Plus tile only
- Complies to “Secured By Design” LPS1175

PERFORMANCE

- Can be used as low as 10° pitch

PRODUCT CODES

<table>
<thead>
<tr>
<th>PRODUCT CODES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Plus D Ridge</td>
<td>1026</td>
</tr>
<tr>
<td>Plus D Ridge/Hip Sealstrip</td>
<td>1028</td>
</tr>
</tbody>
</table>

RIDGE AND HIP DETAIL

- ‘D’ Type Ridge Cap 1200mm cover length fixed four times both sides with Decra Plus Nails/Screws
- Decra Universal Ridge/ Hip Ventilator
- High ridge of tile profile shown dotted
- Felt cut short to leave room for ventilation
- 2x50x25mm battens
- Decra ‘D’ Ridge sealing strip attached to the underside of 50x25mm batten

Secured by Design

Official Police Security Initiative
RedLine Vent Tile

Provides roof space ventilation through the leading edge of the tile ensuring that the clean lines of the roof are maintained. It is ideal for use where alternative eaves and ridge ventilation systems are not appropriate.

FEATURES
- Three variants available: Interlocking, Plain Tile and DuoPlain
- Minimal visual impact
- Identical interlocks to the tiles ensure a simple and weathertight installation
- Ventilates to comply with BS 5250:2011, therefore reducing the risk of harmful condensation in the roof
- Tried and tested and complies with BS 5534:2014 requirements for mechanical fixing
- Complies with BS EN 12056-2:2000, Gravity Drainage Systems Inside Buildings
- To achieve roof space ventilation of 5,000mm² per metre of run, install at 1.2m centres (except DuoPlain 1.57m)
- To achieve roof space ventilation of 10,000mm² per metre of run, install at 0.6m centres (except DuoPlain 0.78m)

PERFORMANCE
- The pitch range of each RedLine Vent Tile will depend upon the minimum and maximum pitch of the relevant tile profile
- Maximum headlap is the same as that for the relevant tile profile
- The effective ventilation area is 6,000mm² (except DuoPlain which is 7.850mm²)
- The effective ventilation area per metre run of ridge is 5,000mm²

Can also be used for:
- Mechanical extraction ventilation

PRESSURE/AIR-FLOW RESISTANCE (PA)

<table>
<thead>
<tr>
<th>Tile profile</th>
<th>Air-Flow</th>
<th>Rate (L/sec)</th>
</tr>
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<tbody>
<tr>
<td>Landmark Double Pantile / Landmark Double Roman / Regent / Grovebury / 50 Double Roman / Renown</td>
<td>29</td>
<td>116</td>
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<tr>
<td>Slate 10 Range</td>
<td>32</td>
<td>128</td>
</tr>
<tr>
<td>Mini Stonewold</td>
<td>22</td>
<td>88</td>
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<tr>
<td>DuoPlain</td>
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<tr>
<td>Plain Tile</td>
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PRODUCT MEASUREMENTS (MM)

<table>
<thead>
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<th>Tile profile</th>
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<tbody>
<tr>
<td>Landmark Double Pantile</td>
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<td>Landmark Double Roman</td>
<td>114</td>
<td>168</td>
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<tr>
<td>Regent</td>
<td>113</td>
<td>180</td>
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<tr>
<td>Grovebury</td>
<td>108</td>
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<tr>
<td>50 Double Roman</td>
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<td>168</td>
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</tr>
<tr>
<td>Renown</td>
<td>110</td>
<td>159</td>
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<tr>
<td>Slate 10 Range</td>
<td>124</td>
<td>165</td>
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</tr>
<tr>
<td>Mini Stonewold</td>
<td>119</td>
<td>149</td>
<td>30</td>
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</table>

COMPONENTS
- Each pack contains:
  - 1 x Vent (UV protected Medium Density Polyethylene (MDPE) – PVC for BMI Redland DuoPlain)
  - 1 x Underlay Seal
  - Complete fixing instructions

ACCESSORIES
- Flexible Pipe to connect to a 110mm soil vent or mechanical extraction systems
- Tile adaptor

PRODUCT CODES

<table>
<thead>
<tr>
<th>Tile profile</th>
<th>Code</th>
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<tbody>
<tr>
<td>Landmark Double Pantile</td>
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<tr>
<td>Landmark Double Roman</td>
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</tr>
<tr>
<td>Grovebury</td>
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<td>50 Double Roman</td>
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<tr>
<td>Slate 10 Range</td>
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</tr>
<tr>
<td>Mini Stonewold</td>
<td>9118</td>
</tr>
</tbody>
</table>
ThruVent Tile

Provides a means of incorporating ventilation within the roof slope where alternative eaves and ridge ventilation systems are not appropriate. It can also be used for mechanical extraction and soil pipe ventilation.

FEATURES
- Minimum and maximum headlap will depend on the tile profile
- To achieve the specified roof space ventilation the ThruVent tiles should be spaced according to the table below

<table>
<thead>
<tr>
<th>ThruVent</th>
<th>Roof space ventilation (mm²/m)</th>
<th>ThruVent spacing (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.5k</td>
<td>5,000</td>
<td>0.9</td>
</tr>
<tr>
<td>4.5k</td>
<td>10,000</td>
<td>0.45</td>
</tr>
<tr>
<td>8.8k</td>
<td>5,000</td>
<td>1.76</td>
</tr>
<tr>
<td>8.8k</td>
<td>10,000</td>
<td>0.88</td>
</tr>
<tr>
<td>8.8k</td>
<td>25,000</td>
<td>0.35</td>
</tr>
<tr>
<td>Hi-Flow</td>
<td>25,000</td>
<td>0.6</td>
</tr>
</tbody>
</table>

Can also be used for:
- Mechanical extraction ventilation
- Soil ventilation: Use 4.5k for low rise building (up to 2 storey). No building height restriction applies to the 8.8k ThruVent Tile or the Hi-Flow ThruVent Tile

COMPATIBILITY
- Available for all tiles and slates in the BMI Redland range in all colours (except DuoPlain, Rosemary, and Heathland)

PERFORMANCE
- Minimum and maximum pitch will depend on the profile and surface finish

PRODUCT CODES

<table>
<thead>
<tr>
<th>4.5k ThruVent Tile</th>
<th>8.8k ThruVent Tile</th>
<th>8.8k ThruVent Tile (cont)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cambrian Slate</td>
<td>7705</td>
<td>7945</td>
</tr>
<tr>
<td>Fontenelle</td>
<td>7840</td>
<td>7944</td>
</tr>
<tr>
<td>Fenland Pantile</td>
<td>7328</td>
<td>7943</td>
</tr>
<tr>
<td>Redland 49</td>
<td>7334</td>
<td>7954</td>
</tr>
<tr>
<td>Hollander Clay Pantile</td>
<td>7880</td>
<td>7935</td>
</tr>
<tr>
<td>Old Hollow Clay Pantile</td>
<td>7834</td>
<td>7950</td>
</tr>
<tr>
<td>Postel Clay Tile</td>
<td>7845</td>
<td>7931</td>
</tr>
</tbody>
</table>

COMPONENTS
- The ThruVent Tile is manufactured in concrete or clay with a PVC ventilation unit and cap. The caps are colour coordinated to the colour of the tile base.
- Each ThruVent Tile is supplied with a Underlay Seal.
- Each pack contains:
  - 1 x ThruVent (concrete or clay and PVC)
  - 1 x Underlay Seal

ACCESSORIES
- A Flexible Pipe is available for connecting to a 110mm soil vent pipe or mechanical ventilation duct.
Rapid Roof Vent Tile

A range of discreet ventilating tiles suitable for both low and high-level roof space ventilation, to combat condensation, as well as mechanical and soil pipe ventilation. Suitable for use with most popular interlocking concrete tiles and plain tiles.

**FEATURES**
- Ventilates to comply with BS 5250:2011, therefore reducing the risk of harmful condensation in the roof
- Discreet design matches the aesthetics of the roof
- Excellent weather performance
- Rigid construction, high quality
- Complies with BS EN 12056-2:2000, Gravity Drainage Systems Inside Buildings

- Redland 49 Rapid Roof Vent Tile comes with an adaptor which must be used

**PERFORMANCE**
- The effective ventilation area is 10,000mm² (except BMI Redland 49 which is 8,600mm² and Plain Tile which is 6,500mm²)

**RAPID ROOF VENT TILE COLOURS**

<table>
<thead>
<tr>
<th>Tile type</th>
<th>Colour</th>
<th>Vent colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mini Stonewold/Grovebury/Renown/50 Double Roman</td>
<td>30 Slate Grey</td>
<td>30 Grey</td>
</tr>
<tr>
<td></td>
<td>34 Terracotta</td>
<td>34 Terracotta</td>
</tr>
<tr>
<td></td>
<td>36 Tudor Brown</td>
<td>36 Brown</td>
</tr>
<tr>
<td></td>
<td>39 Farmhouse Red</td>
<td>34 Terracotta</td>
</tr>
<tr>
<td></td>
<td>52 Breckland Brown</td>
<td>36 Brown</td>
</tr>
<tr>
<td></td>
<td>53 Breckland Black</td>
<td>30 Grey</td>
</tr>
<tr>
<td>Redland 49 (Inc Adaptor)</td>
<td>03 Antique Red</td>
<td>03 Red</td>
</tr>
<tr>
<td></td>
<td>34 Terracotta</td>
<td>34 Terracotta</td>
</tr>
<tr>
<td></td>
<td>36 Tudor Brown</td>
<td>36 Brown</td>
</tr>
<tr>
<td></td>
<td>39 Farmhouse Red</td>
<td>34 Terracotta</td>
</tr>
<tr>
<td></td>
<td>52 Breckland Brown</td>
<td>36 Brown</td>
</tr>
<tr>
<td></td>
<td>78 Rustic Red</td>
<td>03 Red</td>
</tr>
<tr>
<td>Plain Tile</td>
<td>02 Brown</td>
<td>02 Dark Brown</td>
</tr>
<tr>
<td></td>
<td>03 Antique Red</td>
<td>03 Red</td>
</tr>
<tr>
<td></td>
<td>34 Terracotta</td>
<td>34 Terracotta</td>
</tr>
<tr>
<td></td>
<td>36 Tudor Brown</td>
<td>36 Brown</td>
</tr>
<tr>
<td></td>
<td>39 Farmhouse Red</td>
<td>34 Terracotta</td>
</tr>
<tr>
<td></td>
<td>52 Breckland Brown</td>
<td>36 Brown</td>
</tr>
<tr>
<td></td>
<td>78 Rustic Red</td>
<td>03 Red</td>
</tr>
<tr>
<td>Slate 10</td>
<td>30 Slate Grey</td>
<td>30 Grey</td>
</tr>
<tr>
<td></td>
<td>38 Flame Red</td>
<td>34 Terracotta</td>
</tr>
<tr>
<td></td>
<td>40 Rustic Brown</td>
<td>36 Brown</td>
</tr>
<tr>
<td></td>
<td>47 Brecon Grey</td>
<td>63 Black</td>
</tr>
<tr>
<td></td>
<td>63 Black</td>
<td>63 Black</td>
</tr>
</tbody>
</table>

**COMPATIBILITY**
- Complies with NHBC guidelines for high-level ventilation in new build housing
- Suitable for Slate 10 range, Renown, 50 Double Roman, Grovebury, Mini Stonewold, Redland 49 and concrete Plain Tiles in a range of colours

**PRODUCT CODES**

<table>
<thead>
<tr>
<th>Material</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mini Stonewold</td>
<td>9124</td>
</tr>
<tr>
<td>Grovebury</td>
<td>9126</td>
</tr>
<tr>
<td>Renown</td>
<td>9127</td>
</tr>
<tr>
<td>50 Double Roman</td>
<td>9125</td>
</tr>
<tr>
<td>Redland 49</td>
<td>9129</td>
</tr>
<tr>
<td>Plain Tile</td>
<td>9128</td>
</tr>
<tr>
<td>Slate 10</td>
<td>9123</td>
</tr>
</tbody>
</table>

**COMPONENTS**

- Each pack contains:
  - 1 x Vent
  - 1 x Underlay Seal
  - 1 x Pipe Adaptor (Redland 49 Vent only)

**Also available:**
- Interlocking Tiles Pipe Adaptor or Plain Tiles Pipe Adaptor
- Flexible Pipe
Lightweight metal in line vent

Provides roof space ventilation through the in tile vent, in areas such as compartment walls and difficult cross ventilation.

FEATURES

- Three vents available, one to suit each tile profile: Stratos, Oberon and one vent for both Classic and Plus
- Minimal visual impact
- Identical interlocks to the tiles ensure a simple and weather-tight installation
- Ventilates to comply with BS 5250:2011, therefore reducing the risk of harmful condensation in the roof
- Complies with BS 5534:2014 requirements for mechanical fixing
- 10,000mm² per metre of airflow

PERFORMANCE

- The pitch range of each in line vent is dependent upon the minimum and maximum pitch of the relevant tile profile
- The effective ventilation area is 10,000mm²

PRODUCT CODES

<table>
<thead>
<tr>
<th>PRODUCT CODES</th>
<th>Classic Air Vent</th>
<th>Oberon Air Vent</th>
<th>Stratos Air Vent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classic Air Vent</td>
<td>1038</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oberon Air Vent</td>
<td></td>
<td>1040</td>
<td></td>
</tr>
<tr>
<td>Stratos Air Vent</td>
<td></td>
<td></td>
<td>1042</td>
</tr>
</tbody>
</table>

DECRA INLINE TILE VENTILATOR

- Ventilation tile
- Tiling battens, size determined by rafter spacing
- Breather membrane as appropriate
- Opening Protector
Lightweight metal in line extract vent

Provides ventilation through the in line vent for soil pipe or air duct extraction. Therefore extruding air pressure and odours.

**FEATURES**

- Three soil vents available, one to suit each tile profile: Stratos, Oberon and one vent for both Classic and Plus
- Minimal visual impact
- Reduces the potential odours within the building whilst allowing pressure to be released
- Identical interlocks to the tiles ensure a simple and weather tight installation
- BS 5534:2014 requirements for mechanical fixing
- 10,000mm² per metre of airflow

**PERFORMANCE**

- The pitch range of each in line vent is dependent upon the minimum and maximum pitch of the relevant tile profile
- The effective ventilation area is 10,000mm²

**PRODUCT CODES**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classic Extract Vent</td>
<td>1069</td>
</tr>
<tr>
<td>Oberon Extract Vent</td>
<td>1041</td>
</tr>
<tr>
<td>Stratos Extract Vent</td>
<td>1043</td>
</tr>
</tbody>
</table>

**DECRA INLINE TILE VENTILATOR TO SOIL VENT PIPE**

- Ventilation tile
- Tiling battens, size determined by rafter spacing
- Breather membrane as appropriate
- Opening Protector
- Soil-vent pipe and flexi-pipe to be insulated
- Additional 100mm diameter flexhose for connection to soil vent pipes or mechanical extractors.

---

**BMI Decra**
Lightweight metal Classic D ridge ventilation

Designed for use in the ridge line as a means of introducing high level roof space ventilation.

**FEATURES**

- Classic D Ridge Vent Filler designed to suit the Classic Tile
- Profiled to match the pan of the tile
- Each pack covers 36 linear metres (18lm of ridge line)
- Fits within a 50x25mm ridge batten
- Ventilates to comply with BS 5250:2011, therefore reducing the risk of harmful condensation in the roof
- Quick and easy to install
- Complies with BS 8612:2018

**COMPATIBILITY**

- Works in conjunction with Classic Tile only
- Compatible with D Ridge
- Rafter pitch range is 10°-35°

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>Classic D Ridge Vent Filler (36lm)</th>
<th>1053</th>
</tr>
</thead>
</table>

---

Lightweight metal universal D ridge ventilation

Designed for use in the ridge and hip line as a means of introducing roof space ventilation.

**FEATURES**

- Universal D Ridge Vent Filler designed to suit all the tile profiles: Classic, Stratos, Oberon and Plus
- Discreet appearance between tile and ridge cap
- Each pack covers 36 linear metres (18lm of ridge line)
- Versatile ventilation for ridge, hip, mono ridge and abutments
- Ventilates to comply with BS 5250:2011, therefore reducing the risk of harmful condensation in the roof
- Quick and easy to install
- Complies with BS 8612:2018

**COMPATIBILITY**

- Works in conjunction with all lightweight metal tile profiles
- Compatible with D Ridge, Plus D Ridge and Oberon Ridge/Barge
- Rafter pitch range is 10°-35°

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>Universal D Ridge Vent Filler (36lm)</th>
<th>1054</th>
</tr>
</thead>
</table>

---

VENTILATED D RIDGE DETAIL

- Felt cut back at ridge minimum 10mm to allow clear ventilation to roof space
- 50x38mm battens
- Stratos D type Ridge Cap (1200mm cover length) fixed four times with Decra Nails
- Decra Universal D Ridge Ventilator
- Decra Stratos Tiles
- Tiling battens, minimum thickness 38mm, size determined by rafter spacing
- Breather membrane as appropriate

---
Wakaflex Rapid Flashing

Can be used instead of lead for the majority of pitched roof applications. The unrivalled speed and ease of installation enables standard flashing details to be completed twice as quickly as with lead, offering a viable and safer alternative to traditional methods.

FEATURES
- Appearance of lead, grey colour
- Lighter weight than lead and easy to use
- Can be moulded quickly and easily, without the need for special tools
- Manufactured from environmentally-friendly materials
- No welding required, thanks to the self-fusing properties of the material
-Insensitive to extremes of cold and heat (-40° to +100°C)
- No scrap value means Wakaflex Rapid Flashing is not at risk of theft
- 20-year product guarantee
- Low site wastage due to ease of cutting and simple fixing
- Non-toxic

COMPATIBILITY
- Compatible with all BMI Redland tiles and slates
- Suitable for use with most pitched roofing materials

PERFORMANCE
- Awarded British Board of Agrément Certification, certificate number 09/4622

COMPONENTS
- COLOURFAST PLASTIC WITH ALUMINIUM RIB MESH INSERT AND BUTYL SEALING EDGE

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
<th>Rolls/Box</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>140mm x 5m</td>
<td>2.4kg</td>
<td>2</td>
<td>9953</td>
</tr>
<tr>
<td>180mm x 5m</td>
<td>3.1kg</td>
<td>4</td>
<td>9960</td>
</tr>
<tr>
<td>280mm x 5m</td>
<td>4.8kg</td>
<td>4</td>
<td>9955</td>
</tr>
<tr>
<td>280mm x 10m</td>
<td>9.6kg</td>
<td>2</td>
<td>9956</td>
</tr>
<tr>
<td>370mm x 5m</td>
<td>6.3kg</td>
<td>3</td>
<td>9957</td>
</tr>
<tr>
<td>560mm x 5m</td>
<td>9.6kg</td>
<td>2</td>
<td>9959</td>
</tr>
</tbody>
</table>

ACCESSORIES

PRODUCT CODES
- Additional Butyl Strip (20mm x 2m) 9930
- Wakaflex Rapid Flashing
- Sealant (310ml) 9995
- M-Glue (290ml) 9929

TRADITIONAL STEP AND COVER FLASHING – FLAT INTERLOCKING TILES

Wakaflex Rapid Flashing 370mm (9957) (with top edge including butyl strip removed) step and cover flashing 25mm into brickwork (see detail), under cavity tray (where required or specified). Flashing to dress over slate by not less than 120mm, and be properly adhered to slate with built-in butyl strip. Wakaflex Rapid Flashing to be laid in accordance with BMI Redland Fixing Instructions. For more information contact Technical Services on +44 (0) 330 123 4585
Mortar Bedded Fixing Kit

The BMI Redland Mortar Bedded Fixing Kit is the most effective way to mechanically fix mortar bedded ridges and hips. It maintains a traditional aesthetic, whilst complying with BS 5534:2014 and NHBC Technical Standards.

FEATURES
- Maintains a traditional look
- Simple to use. Very similar to standard mortar bedding installation
- One system to be used for both ridges and hips
- Complies with BS 5534:2014 requirements for mechanical fixing
- Complies with NHBC Guidelines for mechanical fixing

COMPATIBILITY
- Fully compatible with all BMI Redland tiles
- Suitable for traditional timber rafter, timber trussed rafter and rigid sarking constructions
- Compatible with most other tiles and slates

COMPONENTS
Each Mortar Bedded Fixing Kit contains sufficient components to secure 5m of concrete ridge or hip tiles or 3.3m of clay ridge or hip tiles. Each pack contains:
- 8 x Batten Straps (Stainless Steel)
- 11 x Universal Angle Clamping Plates (Stainless Steel)
- 16 x Batten Strap Nails (Stainless Steel)
- 11 x 100mm Woodscrews (Stainless Steel).

PRODUCT CODE
Mortar Bedded Fixing Kit 9314

Kro-Clip

Kro-Clip is a versatile clip that allows small roof tile cuts to be mechanically fixed in accordance with BS 5534:2014, particularly at hips and valleys.

FEATURES
- Robust solution to the long-standing problem of fixing small cut tiles
- Quick and easy to fit
- Firmly grips the side of the tile
- Suitable for numerous roofing details such as at hips and valleys and around roof windows, dormers and solar PV panels
- Mechanical fixing for consistent results, removing the need for glue which requires optimum conditions for use
- Supplied in convenient boxes of 50 clips
- Universal fit covering a large range of tile types

COMPATIBILITY
- Works with any tile from 8-16mm thickness, including Plain Tiles and DuoPlain, or where the cut section of the tile is 8-16mm thick
- Not suitable for Cambrian Slate

PERFORMANCE
- The rigid clip is secured to the roof tile using a hammer. The attached wire is then wound around a nail which itself is secured to a convenient structural timber fixing point, e.g. a tiling batten, ridge or hip rafter
- The Kro-Clip can be used either on its own or in combination with other clips such as the BMI Redland C-Clip to provide secure head and/or tail fixings for small roof tile cuts and other difficult to fix roof tiles

PRODUCT CODE
Kro-Clip 9142
Innofix Clip

Innofix is the multi award-winning revolutionary tool-free tile clip. Simple to fix, with less tile breakage and quicker than ever to install. It’s our strongest clip yet, and suitable for all UK exposures under the new BS 5534:2014.

FEATURES
- Five sizes available to suit all BMI Redland concrete interlocking tiles
- Tool-free – quick and simple to fix
- Unique clip magazine allowing tangle-free usage
- Colour-coded for error-free identification
- Award-winning design

COMPATIBILITY
- Innofix Clips are compatible with the following tiles:
  - Red: Grovebury, Regent, Landmark Double Pantile, and Fenland Pantile
  - Light Blue: 50 Double Roman, Landmark Double Roman and Westminster Slate
  - Light Orange: Redland 49 and Renown
  - Gold: Mini Stonewold and MockBond Mini Stonewold
  - Purple: Richmond 10 Slate, MockBond Richmond 10 Slate, Saxon 10 Slate, Landmark 10 Slate and DuoPlain
- For the tile course immediately above a sprocket, it is necessary to use the next colour up i.e. instead of Purple use Gold, instead of Gold use Light Orange, instead of Light Orange use Light Blue, instead of Light Blue use Red. For sprockets on a roof using the Red clip, a special Black clip is available.

PERFORMANCE
- Up to 40% quicker to install than traditional nailed clips
- Suitable for all exposure zones under BS 5534:2014
- Rustproof and made to last the lifetime of the roof
- Quickest ever clip to install
- Storm-proof - very high resistance to wind uplift

COMPONENTS
- Material: Stainless Steel
- Box Quantity: 500
- 50 x 25mm tiling battens only

PRODUCT CODES
- Innofix Clip - Red 9821
- Innofix Clip - Light Blue 9822
- Innofix Clip - Light Orange 9823
- Innofix Clip - Gold 9824
- Innofix Clip - Purple 9825
- Innofix Clip - Black 9826

If using counterbattons they must be minimum 15mm high.
**Hip End Cap**

Hip End Caps are the new way to complete a dry hip installation. Cost-effective and quick-to-install, Hip End Caps are compatible with all BMI Redland dry hip systems providing a neat, colour-matched finish to the hip end.

**FEATURES**
- Available in both Universal Angle and Third Round profiles
- Available in Black and Terracotta. Third Round additionally available in Brown
- Quick and easy to install
- Lightweight, high-impact construction

**COMPATIBILITY**
- Third Round Hip End Cap designed for use with Rosemary clay and BMI Redland concrete hip tiles or equivalent hip tile profiles
- Universal Angle Hip End Cap designed for use with both concrete and clay universal angle hip tiles
- Colour matched to suit most hip tiles

**COMPONENTS**
Material: High impact Polystyrene

**PRODUCT CODES**
- Hip End Cap - Universal Angle 9704
- Hip End Cap - Third Round 9712

---

**Ridge End Cap**

Ridge End Caps are the easy way to complete a dry ridge installation. Cost-effective and quick-to-install, Ridge End Caps are designed to work seamlessly with BMI Redland dry verge systems to give a neat, weathertight, colour-matched aesthetically pleasing finish to a roof system.

**FEATURES**
- Available in Universal Angle and Half Round designs
- Quick and easy to install
- Maintenance-free
- Complies with NHBC Guidelines for mechanical fixing

**COMPATIBILITY**
- Colour match to Rapid Verge units (Slate Grey, Rust) and our clay Universal Angle Ridge Tiles (Black and Terracotta)
- Half Round Ridge End Cap compatible for use with Rosemary clay and BMI Redland concrete half round ridge tiles or equivalent ridge tile profiles
- Universal Angle Ridge End Cap compatible for use with BMI Redland concrete and clay universal angle ridge tiles or equivalent ridge tile profiles

**COMPONENTS**
Material: UV-stable Polypropylene

**PRODUCT CODES**
- Ridge End Cap - Universal Angle 9773
- Ridge End Cap - Half Round 9772
InDaX PV System

Based on proven crystalline technology, the fourth generation of InDaX photovoltaic modules offer a low system height. The panel sits in line with the surrounding tiles, creating an improved aesthetic and weathertight system.

FEATURES
- Low overall system height with modules mounted in attractive black coated aluminium framing
- Safe, flexible and quick assembly
- Wide pitch range capability
- Maximum energy yield
- Weathertight and resistant to high wind uplift
- Fully MCS and BBA certified, FIT-compliant
- 25-year power output guarantee

COMPATIBILITY
- Compatible with all BMI Redland tiles and slates and similar profiles

PERFORMANCE
- The InDaX PV System can be installed on roofs with pitches between 15° and 65°
- Modules are laid in arrays and mounted in specially designed framing that optimises the ventilation at the rear of each module and thereby maximises the power output. Holes in the eaves profile allows condensate to drain away
- InDaX modules fulfil the same protective functions as roof tiles, i.e. weathertightness and resistant to wind uplift. Modules can withstand loads up to 550kg/m². High quality flashings from the roof window industry are used
- InDaX PV System is certified to MCS 005 and MCS 012 covering wind uplift resistance, weathertightness and external fire resistance
- BMI UK & Ireland guarantees that during the first year of operation the module power output will be at least 96.5% of the rated power output. From year 2 to 25, the manufacturer guarantees that the module power output will reduce by no more than 0.6% per year of the rated power output, such that by the end of the 25th year of operation, the modules will still provide a minimum power output of 82% compared to the rated power output

SYSTEM DETAILS

<table>
<thead>
<tr>
<th>Power Output</th>
<th>260Wp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar Cells per Module</td>
<td>60</td>
</tr>
<tr>
<td>Cell Type</td>
<td>Polycrystalline</td>
</tr>
<tr>
<td>Cell Dimensions</td>
<td>156 x 156mm</td>
</tr>
<tr>
<td>Front Panel</td>
<td>Tempered Solar Glass</td>
</tr>
<tr>
<td>Backside Panel</td>
<td>Laminated Thermoplastic</td>
</tr>
<tr>
<td>Framing</td>
<td>Black Anodised Aluminium</td>
</tr>
<tr>
<td>Overall Dimensions</td>
<td>1769 x 999mm</td>
</tr>
<tr>
<td>Installed Dimensions (visible)</td>
<td>1705 x 999mm</td>
</tr>
<tr>
<td>Thickness</td>
<td>75mm</td>
</tr>
<tr>
<td>Weight</td>
<td>21.5kg (approx)</td>
</tr>
<tr>
<td>Laid Weight</td>
<td>2.1kg/m2 (approx)</td>
</tr>
</tbody>
</table>

COMPONENTS
- A Basic Set must always be used. The Basic Set comprises of a 2 x 2 module array and all framings and flashings to fit.
- For larger module arrays, extension sets are used (horizontal and/or vertical) along with additional drainage channels and head clamps as necessary.
Ornamental Tiles, 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.

### Ornamental Tiles (available in all clay and concrete tile options)

- Rosemary Clay Craftsman
- Rosemary Clay Classic
- Heathland
- Concrete Plain Tile

<table>
<thead>
<tr>
<th>Product codes</th>
<th>Overall size (L x W x H mm)</th>
<th>Height of crest (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6521</td>
<td>450 x 259 x 306</td>
<td>100</td>
<td>6.1</td>
</tr>
<tr>
<td>6521</td>
<td>450 x 259 x 430</td>
<td>200</td>
<td>9.25</td>
</tr>
<tr>
<td>6671</td>
<td>300 x 256 x 298</td>
<td>200</td>
<td>7.9</td>
</tr>
<tr>
<td>6251</td>
<td>300 x 256 x 415</td>
<td>200</td>
<td>9.4</td>
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</table>

### Ornamental Ridges

<table>
<thead>
<tr>
<th>Product codes</th>
<th>Overall size (L x W x H mm)</th>
<th>Height of crest (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cockscomb</td>
<td>7468 450 x 259 x 206</td>
<td>100</td>
<td>6.1</td>
</tr>
<tr>
<td>Universal Angle Ridge</td>
<td>7538 450 x 259 x 300</td>
<td>100</td>
<td>8.6</td>
</tr>
<tr>
<td>Universal Angle Ridge Block-End</td>
<td>7458 450 x 256 x 198</td>
<td>100</td>
<td>6.3</td>
</tr>
<tr>
<td>Half Round Ridge</td>
<td>7540 450 x 256 x 315</td>
<td>100</td>
<td>8.8</td>
</tr>
<tr>
<td>Half Round Ridge Block-End</td>
<td>7540 450 x 256 x 315</td>
<td>100</td>
<td>8.8</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Product codes</th>
<th>Overall size (L x W x H mm)</th>
<th>Height of crest (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three Hole Crested</td>
<td>7462 450 x 259 x 256</td>
<td>150</td>
<td>6.8</td>
</tr>
<tr>
<td>Universal Angle Ridge</td>
<td>7558 450 x 259 x 380</td>
<td>150</td>
<td>9.3</td>
</tr>
<tr>
<td>Universal Angle Ridge Block-End</td>
<td>7455 450 x 256 x 248</td>
<td>150</td>
<td>7.0</td>
</tr>
<tr>
<td>Half Round Ridge</td>
<td>7560 450 x 256 x 370</td>
<td>150</td>
<td>9.5</td>
</tr>
<tr>
<td>Half Round Ridge Block-End</td>
<td>7560 450 x 256 x 370</td>
<td>150</td>
<td>9.5</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Product codes</th>
<th>Overall size (L x W x H mm)</th>
<th>Height of crest (mm)</th>
<th>Weight (kg)</th>
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</thead>
<tbody>
<tr>
<td>Fleur-de-Lys</td>
<td>7467 450 x 259 x 256</td>
<td>150</td>
<td>6.5</td>
</tr>
<tr>
<td>Universal Angle Ridge</td>
<td>7568 450 x 259 x 380</td>
<td>150</td>
<td>9.0</td>
</tr>
<tr>
<td>Universal Angle Ridge Block-End</td>
<td>7457 450 x 256 x 248</td>
<td>150</td>
<td>6.7</td>
</tr>
<tr>
<td>Half Round Ridge</td>
<td>7570 450 x 256 x 370</td>
<td>150</td>
<td>9.2</td>
</tr>
<tr>
<td>Half Round Ridge Block-End</td>
<td>7570 450 x 256 x 370</td>
<td>150</td>
<td>9.2</td>
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</table>

### Finials

<table>
<thead>
<tr>
<th>Product codes</th>
<th>Overall size (L x W x H mm)</th>
<th>Height of finial (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scroll</td>
<td>7529 300 x 259 x 306</td>
<td>200</td>
<td>7.75</td>
</tr>
<tr>
<td>Universal Angle Ridge</td>
<td>7530 300 x 259 x 430</td>
<td>200</td>
<td>9.25</td>
</tr>
<tr>
<td>Half Round Ridge</td>
<td>7527 300 x 256 x 298</td>
<td>200</td>
<td>7.9</td>
</tr>
<tr>
<td>Half Round Ridge Block-End</td>
<td>7528 300 x 256 x 415</td>
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<td>9.4</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Product codes</th>
<th>Overall size (L x W x H mm)</th>
<th>Height of finial (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short Ball Top</td>
<td>7485 300 x 259 x 376</td>
<td>270</td>
<td>6.75</td>
</tr>
<tr>
<td>Universal Angle Ridge</td>
<td>7487 300 x 259 x 500</td>
<td>270</td>
<td>9.25</td>
</tr>
<tr>
<td>Half Round Ridge</td>
<td>7481 300 x 256 x 368</td>
<td>270</td>
<td>6.9</td>
</tr>
<tr>
<td>Half Round Ridge Block-End</td>
<td>7843 300 x 256 x 485</td>
<td>270</td>
<td>8.4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product codes</th>
<th>Overall size (L x W x H mm)</th>
<th>Height of finial (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tall Ball Top</td>
<td>7486 300 x 259 x 476</td>
<td>370</td>
<td>7.25</td>
</tr>
<tr>
<td>Universal Angle Ridge</td>
<td>7488 300 x 259 x 600</td>
<td>370</td>
<td>8.75</td>
</tr>
<tr>
<td>Half Round Ridge</td>
<td>7482 300 x 256 x 468</td>
<td>370</td>
<td>7.4</td>
</tr>
<tr>
<td>Half Round Ridge Block-End</td>
<td>7484 300 x 256 x 585</td>
<td>370</td>
<td>8.9</td>
</tr>
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<table>
<thead>
<tr>
<th>Product codes</th>
<th>Overall size (L x W x H mm)</th>
<th>Height of finial (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fleur-de-Lys</td>
<td>7491 300 x 259 x 526</td>
<td>420</td>
<td>7.0</td>
</tr>
<tr>
<td>Universal Angle Ridge</td>
<td>7492 300 x 259 x 650</td>
<td>420</td>
<td>9.5</td>
</tr>
<tr>
<td>Universal Angle Ridge Block-End</td>
<td>7489 300 x 256 x 518</td>
<td>420</td>
<td>7.15</td>
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<tr>
<td>Half Round Ridge Block-End</td>
<td>7490 300 x 256 x 635</td>
<td>420</td>
<td>9.65</td>
</tr>
</tbody>
</table>

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

We are committed to continuously enhancing and improving our product range. We reserve the right to change our product specifications. We reserve the right to correct any typographical or clerical error or omission. For the latest information contact Customer Support on +44 (0) 370 560 1000.
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