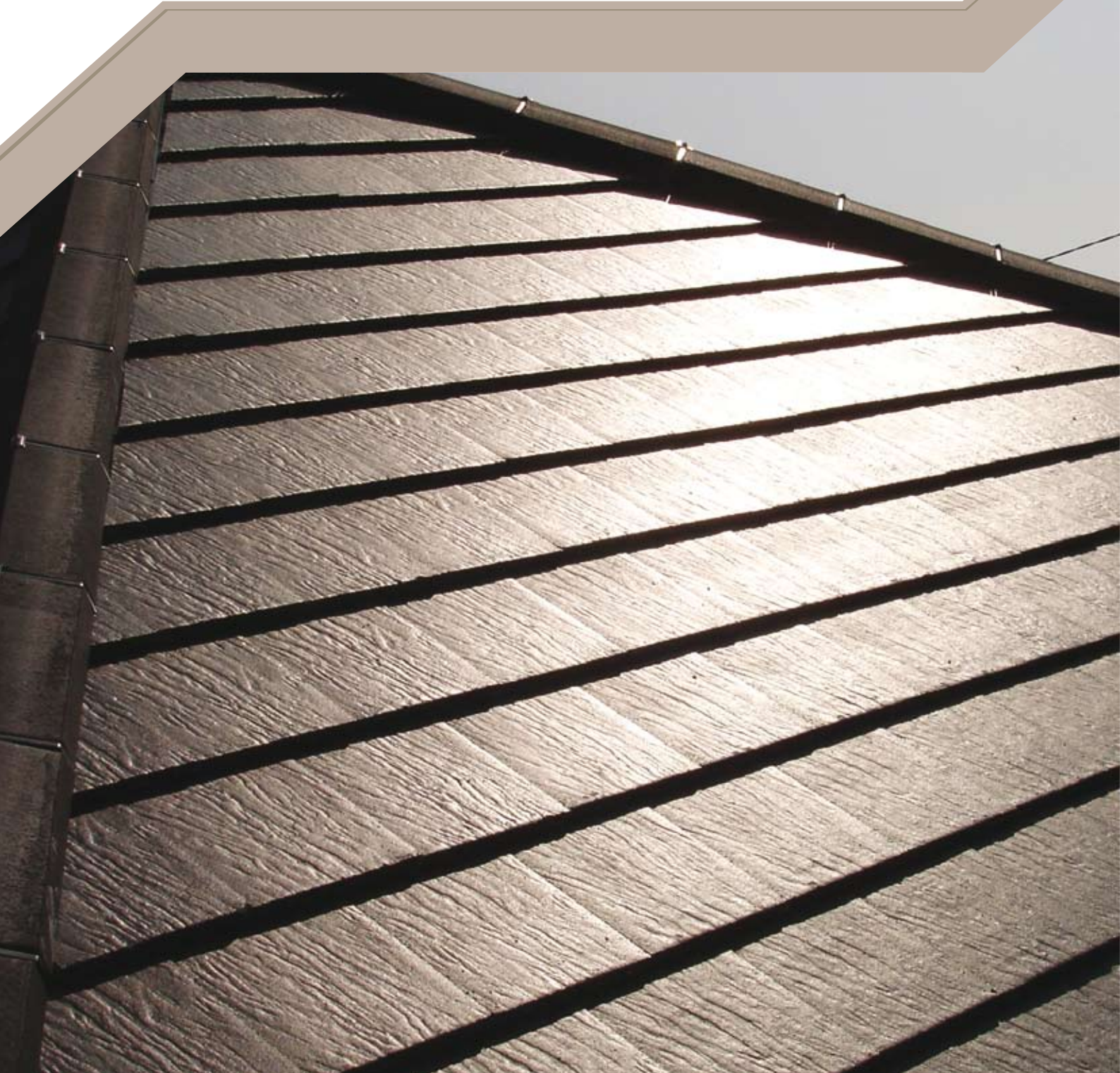




QUINN[®]rooftiles

PRODUCT GUIDE



Introduction

Quinn Rooftiles

Established in 1982, Quinn Rooftiles have become synonymous with house building in Ireland and beyond, providing its customers with a varied and diverse range of products.

The roof is the most visible aspect of any property and this is why we in Quinn Rooftiles have maintained a programme of sustained investment to manufacture Rooftiles of outstanding quality, character and style.

Recent years have seen a rapid development in our product range. As well as producing our long standing Western Slate and Loch Erne profiles, we can now offer our Lakeland slate tile range comprising the Devenish and Rathmore profiles.

Our complete range of tiles are supplied palletised and shrink wrapped which allows for ease of handling on site and also ensures that you receive a product of outstanding aesthetics.

Quinn Rooftiles are manufactured to the latest European standard BS EN 490. Every Tile produced carries with it the Kitemark seal of approval that confirms our products outstanding quality and appeal. Furthermore, we have added to concretes intrinsic benefits of durability and cost effectiveness with a range of profiles, colours and textures for every conceivable application. Whether it be a familiar regional style or a radically modern one, the Quinn Rooftiles range appeals to Architects, Builders, Self builders, Local authorities and Merchant businesses alike.



Traditional Range

The Traditional range of interlocking rooftiles offers two profiles for every conceivable application from Urban to rural, new build or refurbishment.

The Quinn range of interlocking Rooftiles are manufactured to stringent quality standards and offer strong, durable alternatives to other roofing materials combining traditional appearance with substantial economies of installed cost.

WESTERN SLATE

This is our original flat, smooth surfaced interlocking design tile. This is available in seven colours and is the obvious choice for a cost effective project. Our skilled work force has maintained the westerns uniform appearance and machine formed edges which is enhanced by a broken bond laying pattern.

LOCHERNE

Our only Double Pantile forms a gentle flowing pattern that gives instant visual appeal and is also available in seven colours. It performs on pitches as low as 17.5 and combines its exceptional strength and beautiful smooth surface with stunning aesthetics.



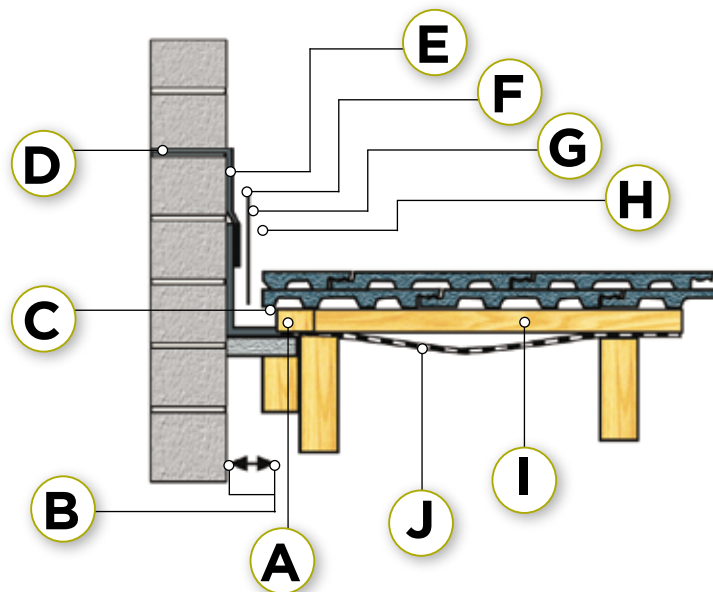
WESTERN SLATE



LOCHERNE

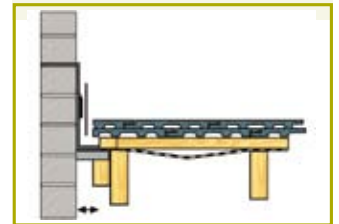


ABUTMENT WITH STEP AND COVER FLASHING

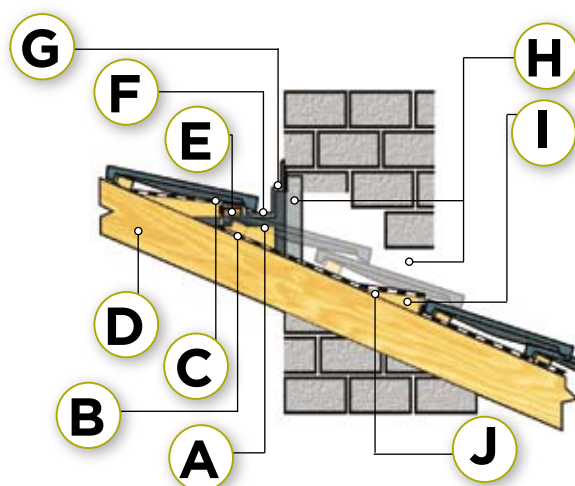


KEY FOR DIAGRAM

- a Counter Batten
- b 80mm
- c Welt
- d D.P.C
- e Code 4 Lead Cover Flashing
- f Code 5 Lead Line Secret Gutter
- g 25mm Board Support
- h 25-38mm Gap
- i Batten
- j Underfelt



SECRET GUTTER

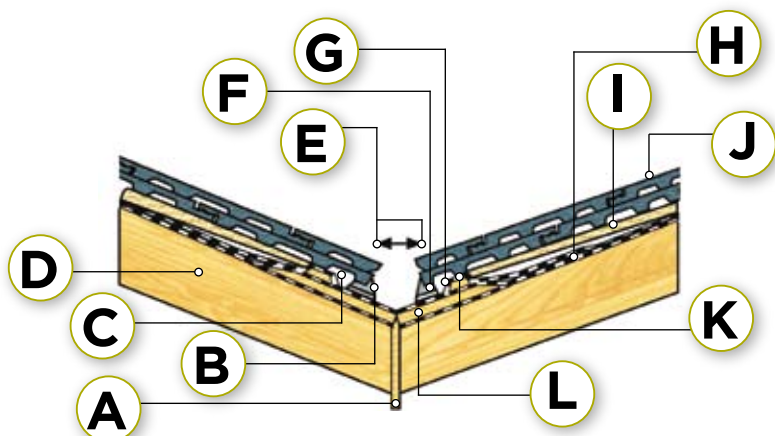


KEY FOR DIAGRAM

- a 25 Board Support to Back Gutter
- b Code 5 Lead Lining
- c Welt
- d Rafter
- e 50 x 25 Tilting Fillet
- f Code 4 Lead with Welt
- g 203 x 25 Board
- h Stepped Lead Flashing
- i 203x50mm Sprayed Timber Fillet
- j 25mm Board Support to Secret Gutter



SECRET GUTTER



KEY FOR DIAGRAM

- a Valley Rafter
- b Code 5 Lead Lining
- c Undercloak
- d Rafter
- e Min 100mm
- f Mortar Bedding
- g Welt in Code 5 Lead
- h 1m Wide Felt Strip
- i Batten
- j Standard Tile Cut to Rake
- k Counter Batten
- l Valley Board Max 23mm Thick



Western Slate

Technical Information



Size		420mm x 334mm
Minimum Pitch		17.5
Maximum Pitch (without special fixing)		44 fixing
Headlap (min/max)	17.5 - 22.5	100mm/140mm
Headlap (min/max)	above 22.5	75mm/140mm
Maximum Gauge		345mm
Linear cover		300mm - 302mm
Covering Capacity (nett at 345mm gauge)		9.7 Tiles/m ²
Surface		Smooth
Weight (approx.)	at 345 gauge	50 kg/m ²
Weight (approx.)	per 1,000 tiles	5.2 tonnes
Batten size Rafter centres not exceeding 600mm		38mm x 25mm
Battens required (nett)	at 345mm gauge	2.9 metre/m ²

Abutment	Secret Gutter (cover Flashing)
Eave	Standard Tile
Ridge/Hip	457mm angle type, Ridge Tile butt-jointed
Valley	Open metal valley / Open trough valley lead lining (or other approved lining)

CLIPS	
Main Roof	Standard Western Slate Tile Clip
Verge	Standard Western Slate Verge Clip
Eave	Standard Western Slate Eave Clip

FIXING

For a full range of fixing alternatives and requirements please refer to BS 5534 : part 1 : 1997

Verge	Standard Western Slate Verge Clip
Eave	Standard Western Slate Eave Clip
Nails	45mm x 3.35mm alloy ringshank

Western Slate Model Specification

TILES

The roof is to be covered with WESTERN SLATE flat tiles as per sample approved and laid in even courses of not more than 345mm gauge and not less than 75mm headlap. The tiling is to be broken bonded.

UNDERLAY

Approved reinforced roofing felt is to be laid over rafters, lapped 150mm horizontally and 150mm vertically, carried well into gutters, and secured with clout nails. The underlay must drain any moisture into the eaves gutter and be fixed so that no troughs are formed in which water can be trapped. If necessary, full support must be provided.

BATTENS

Approved quality softwood tiling battens to be laid to the correct gauge determined by the roof pitch (see Technical Information). The joints of the battens should always meet half way across top of rafters.

EAVES

Eaves to be formed with standard tiles. The eaves course must be laid at the same pitch as the rest of the roof.

VERGES

The right-hand verge are to be formed with half tiles and full tiles in alternate courses. All verges are to be bedded on a mineral fibre strip. Only very slight tilt is to be given, starting with the third tile from the verge. The 150mm mineral fibre strip is to be butt-jointed and project 38-50mm over gable wall or bargewood.

RIDGE AND HIP

The ridges and hips are to be covered with Universal Angle Ridge tiles similar in colour to the main roof and edge bedded in mortar, with solid bedding at butt joints. The ridge tiles must provide a minimum cover of 75mm over the top course of tiles.

VALLEYS

The Valleys are to be formed with lead lining (or other approved lining) supported on valley boarding with tiles neatly cut and bedded on asbestos slate undercloak, leaving 125mm clear channel.

NOTE

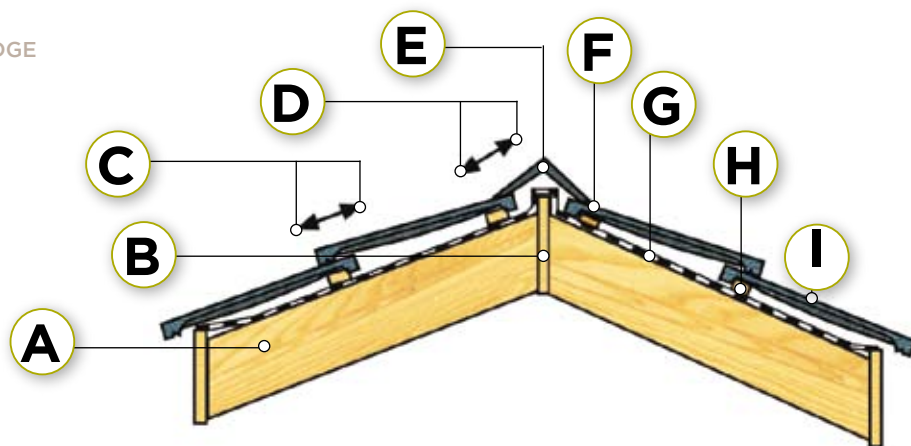
The model specification guide is in accordance with the requirements of BS 5534 (Part 1, 1997.)



Western Slate

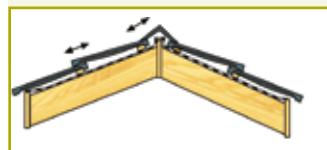
Fixing Details

RIDGE

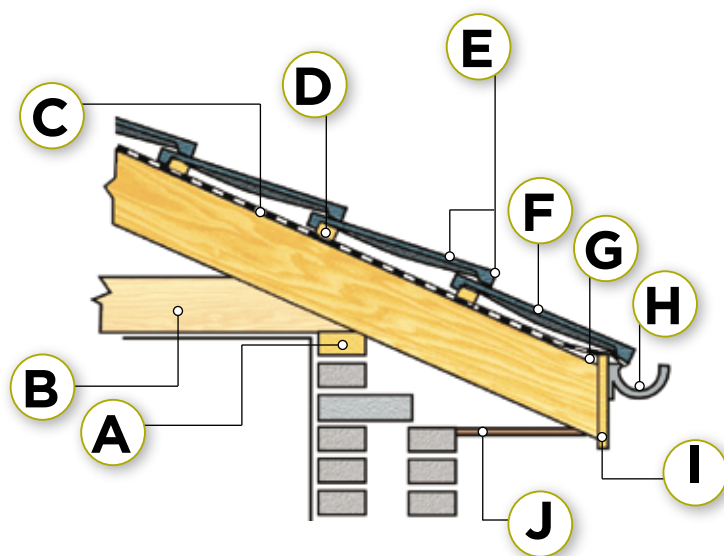


KEY FOR DIAGRAM

- a Rafter
- b Ridge Tree
- c Min 75 Headlap
- d Min 75 Headlap
- e Angle Ridge Tile
- f Continuous Edge Bedding
- g Under Felt
- h Battens (to suit rafter centres) at Max 345mm Gauge
- i Standard Tile

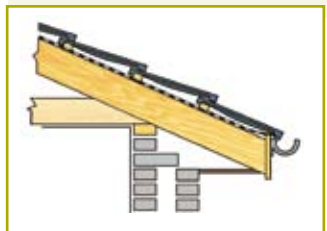


EAVES DETAILS

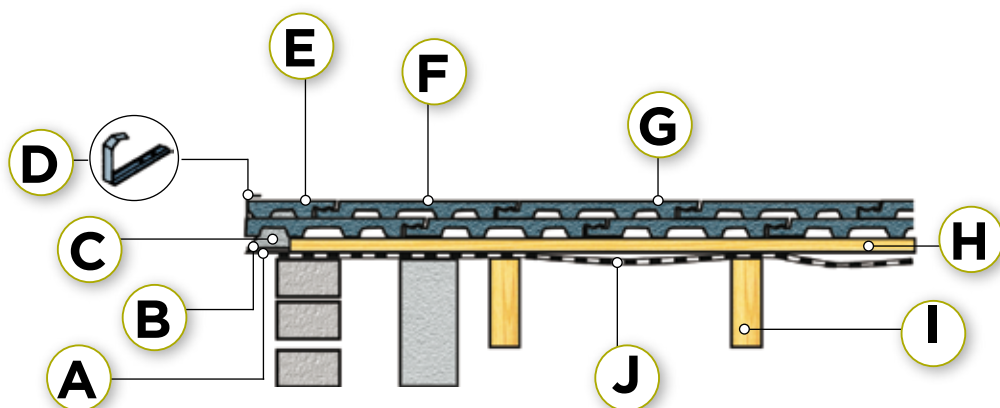


KEY FOR DIAGRAM

- a Wall Plate
- b Ceiling Joist
- c Underfelt carried into Gutter
- d Battens at Max 345 Gauge
- e Min 75mm Headlap
- f 420x334mm Standard Tile
- g Angle Fillet
- h Gutter
- i Fascia
- j Soffit with Ventilation Holes

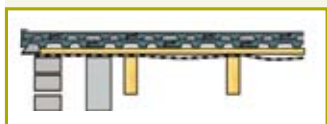


STANDARD VERGE



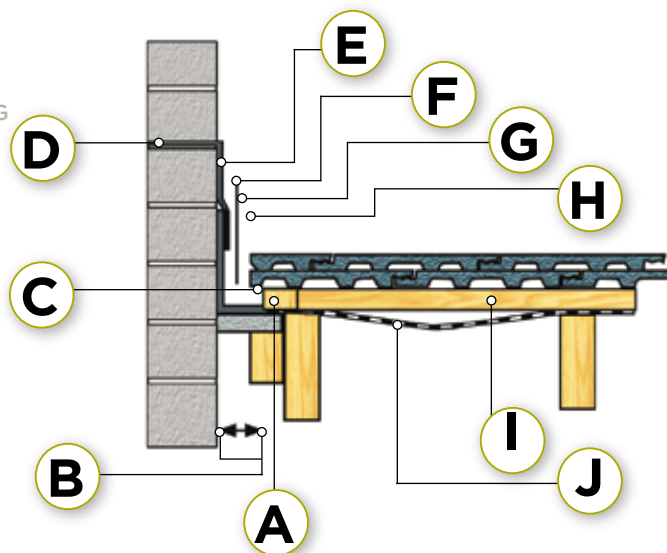
KEY FOR DIAGRAM

- a 115mm Undercloak
- b 38-50mm Overhang
- c Mortar Bed
- d Stainless Steel Verge Clip
- e 420x150mm Left Hand Verge Half Tile
- f 420x300mm Left Hand Verge Tile
- g 420x334mm Standard Tile
- h Batten
- i Rafter
- j Underfelt



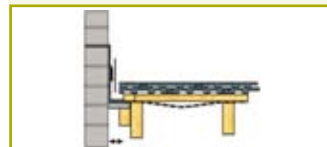
Western Slate Fixing Details

ABUTMENT
WITH STEP AND
COVER FLASHING

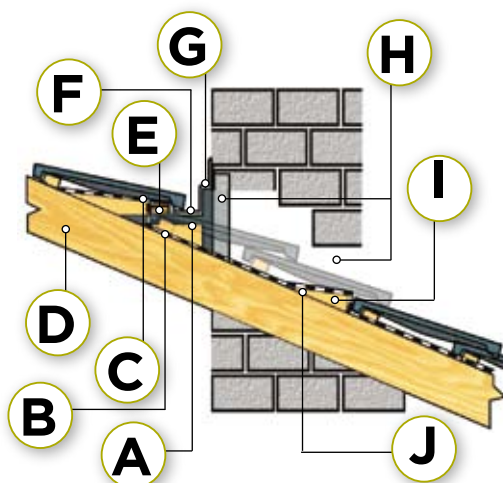


KEY FOR DIAGRAM

- a Counter Batten
- b 80mm
- c Welt
- d D.P.C.
- e Code 4 Lead Cover Flashing
- f Code 5 Lead Line Secret Gutter
- g 25mm Board Support
- h 25 - 38mm Gap
- i Batten
- j Underfelt

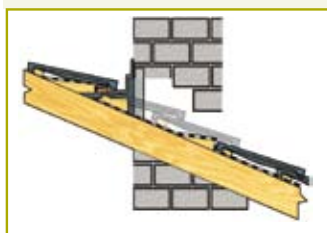


SECRET GUTTER

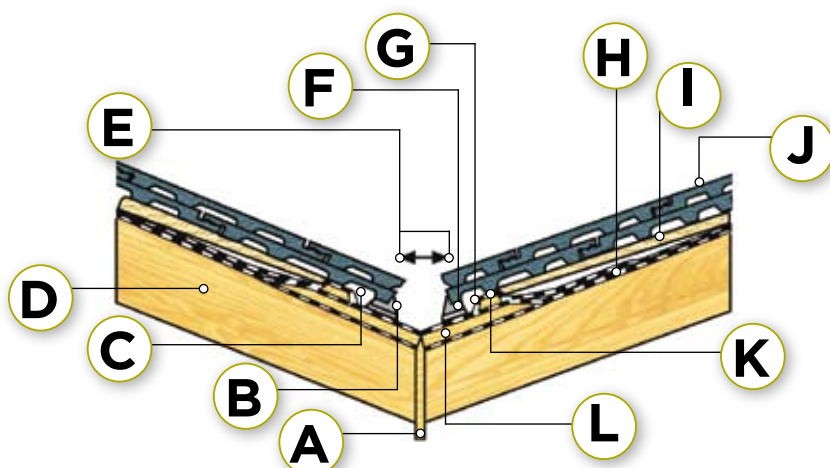


KEY FOR DIAGRAM

- a 25mm Board Support to Back Gutter
- b Code 5 Lead Lining
- c Welt
- d Rafter
- e 50x25mm Tilting Fillet
- f Code 4 Lead with Welt
- g 203 x 25mm Board
- h Steeped Lead Flashing
- i 203x50mm Sprayed Timber Fillet
- j 25mm Board Support to Secret Gutter

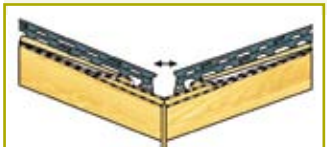


SECRET GUTTER



KEY FOR DIAGRAM

- a Valley Rafter
- b Code 5 Leading Lining
- c Undercloak
- d Rafter
- e Min 100mm
- f Mortar Bedding
- g Welt in Code 5 Lead
- h 1m Wide Felt Strip
- i Batten
- j Standard Tile Cut to Rake
- k Counter Batten
- l Valley Board Max 23mm Thick



Locherne

Technical Information



Locherne Country Blend

Size		420mm x 334mm
Minimum Pitch		17.5
Maximum Pitch (without special fixing)		44 fixing
Headlap (min/max)	17.5 - 22.5	100mm/140mm
Headlap (min/max)	above 22.5	75mm/140mm
Maximum Gauge		345mm
Linear cover		300mm - 302mm
Covering Capacity (nett at 345mm gauge)		9.7 Tiles/m ²
Surface		Smooth
Weight (approx.)	at 345 gauge	45.5kg/m ²
Weight (approx.)	per 1,000 tiles	4.7 tonnes
Batten size Rafter centres not exceeding 600mm		38mm x 25mm
Battens required (nett)	at 345mm gauge	2.9 metre/m ²

Abutment	Secret Gutter (cover Flashing)
Eave	Locherne Tile with Locherne Eave filler
Ridge/Hip	457mm half round Ridge Tile butt-jointed
Valley	Open metal valley / Open trough valley lead lining (or other approved lining)

CLIPS

Main Roof	Standard Locherne Tile Clip
Verge	Standard Locherne Verge Clip
Eave	Standard Locherne Eave Clip

FIXING

For a full range of fixing alternatives and requirements please refer to BS 5534 : part 1 : 1997

Verge	Bedded with Mineral Fibre Strip
Nails	70mm x 3.35mm alloy ringshank

Locherne

Model Specification

TILES

The roof is to be covered with LOCHERNE Double pantiles as per sample approved and laid in even courses of not more than 345mm gauge and not less than 75mm headlap.

UNDERLAY

Approved reinforced roofing felt is to be laid over rafters, lapped 150mm horizontally and 150mm vertically, carried well into gutters, and secured with clout nails. The underlay must drain any moisture into the eaves gutter and be fixed so that no troughs are formed in which water can be trapped. If necessary, full support must be provided.

BATTENS

Approved quality softwood tiling battens to be laid to the correct gauge determined by the roof pitch (see Technical Information). The joints of the battens should always meet half way across top of rafters.

EAVES

Eaves to be formed with standard tiles and eaves filler supplied by manufacturer. The eaves course must be laid at the same pitch as the rest of the roof.

VERGES

The verges to be formed with 150mm mineral fibre strip butt jointed and projecting 38-50mm over gable wall or bargeboard. All verge tiles to have one verge clip. The left-hand verge to be laid with purpose made Locherne verge tiles.

RIDGE AND HIP

The ridges and hips are to be covered with Half Round Ridge tiles similar in colour to the main roof and edge bedded in mortar, with solid bedding at butt joints. The ridge tiles must provide a minimum cover of 75mm over the top course of tiles. Galvanised hip irons are to be fitted at the foot of each hip.

VALLEYS

The Valleys are to be formed with lead lining (or other approved lining) supported on valley boarding with tiles neatly cut and bedded on mineral fibre strip. Leaving 125mm clear channel.

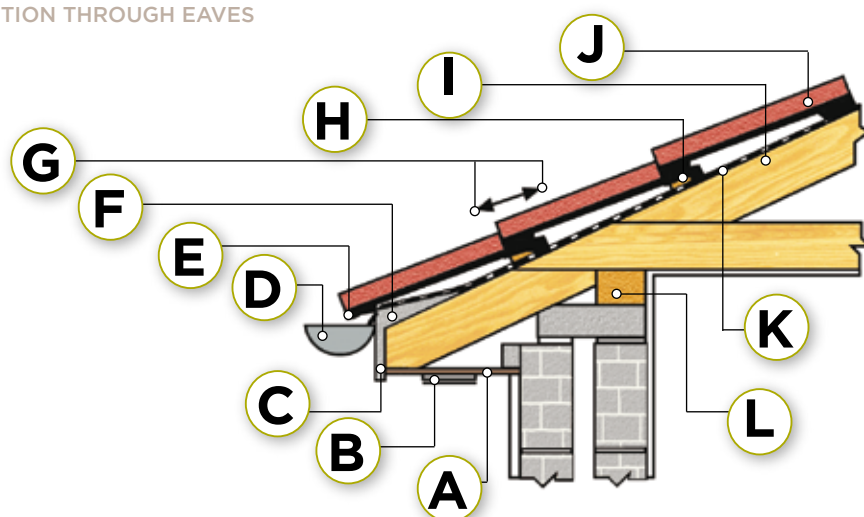
ABUTMENTS

The tiles are to be neatly cut to within 25mm to 38mm of the abutment over lead-lined secret gutter.



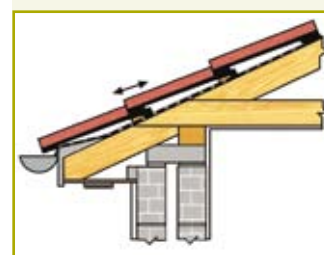
Locherne Fixing Details

SECTION THROUGH EAVES

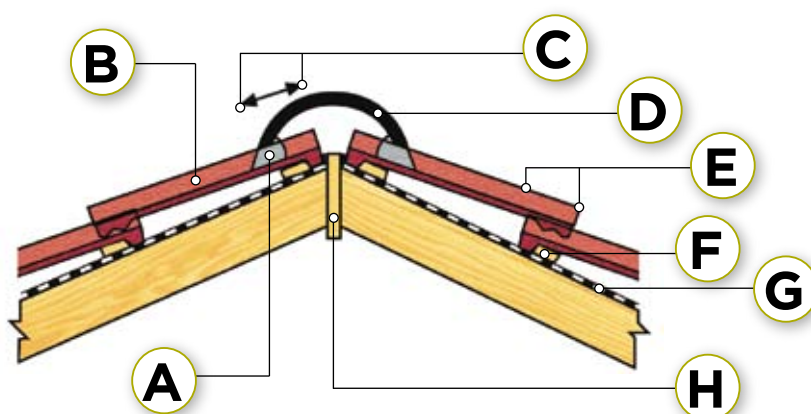


KEY FOR DIAGRAM

- a Soffit
- b 75 x 225 Ventilator
- c Fascia Board
- d Gutter
- e Eaves Filler
- f Fillet
- g Headlap (75mm Min)
- h Batten
- i 345mm Max Gauge
- j Locherne Tile
- k Felt
- l Wall Plate

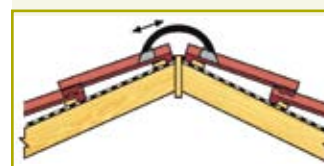


SECTION THROUGH RIDGE

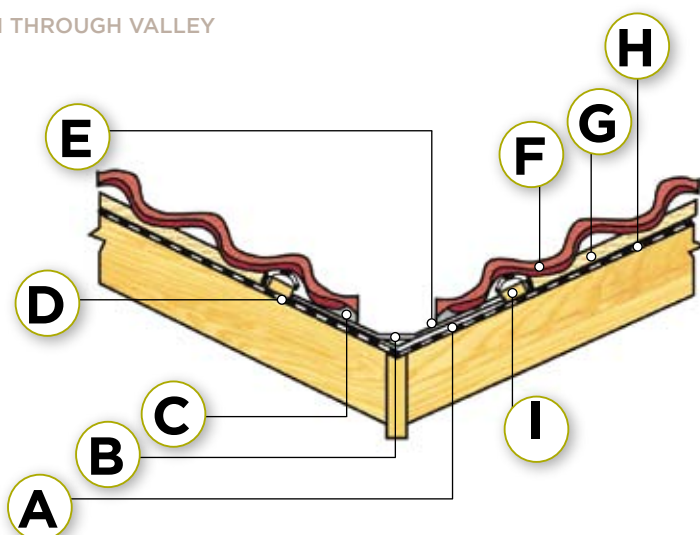


KEY FOR DIAGRAM

- a Mortar
- b Locherne Tile
- c Headlap (75mm Min)
- d Half Rounded Ridge Tile
- e Headlap (75mm Min)
- f Batten
- g Felt
- h Ridge Board

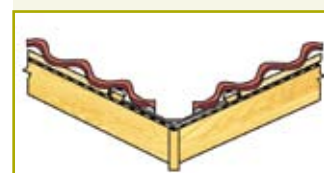


SECTION THROUGH VALLEY



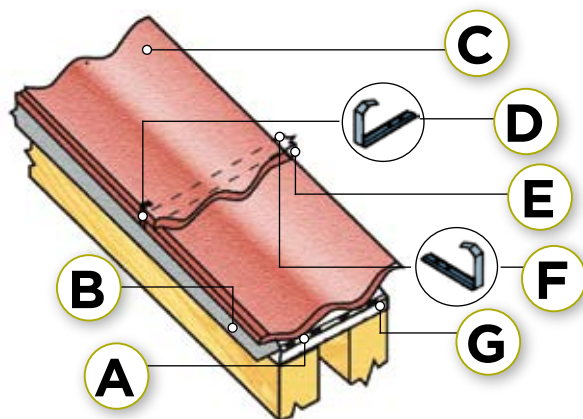
KEY FOR DIAGRAM

- a Valley Boarding
- b Lead Lining
- c Mortar Bedding
- d 600mm Felt Strip
- e Slate Undercloak
- f Locherne Tile Cut to Rake
- g Batten
- h Felt
- i Counter Batten



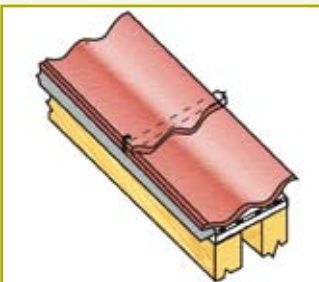
Locherne Fixing Details

VERGE CLIP DETAIL

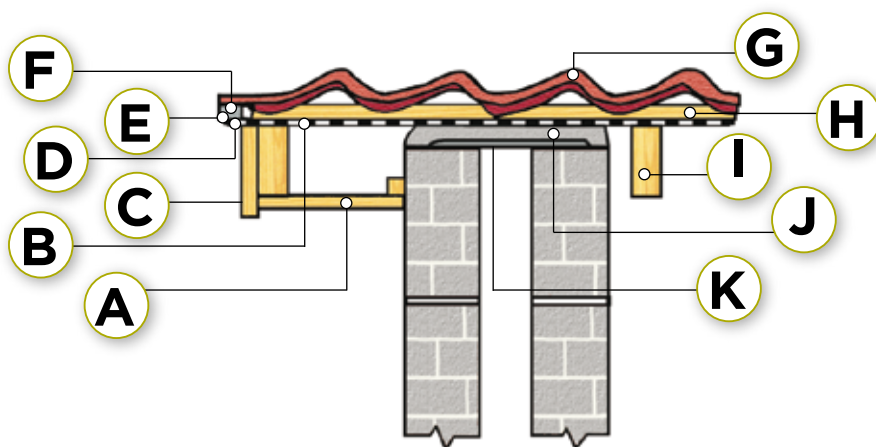


KEY FOR DIAGRAM

- a Felt
- b Mortar Bedding
- c Locherne Tile
- d Left Hand Locherne Verge Clip
- e Batten
- f Right Hand Locherne Verge Clip
- g Slate Undercloak

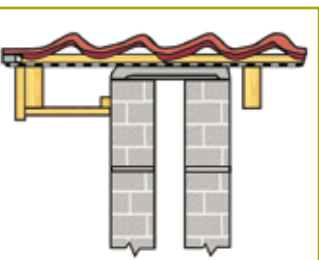


SECTION THROUGH VERGE TIMBER BARGE

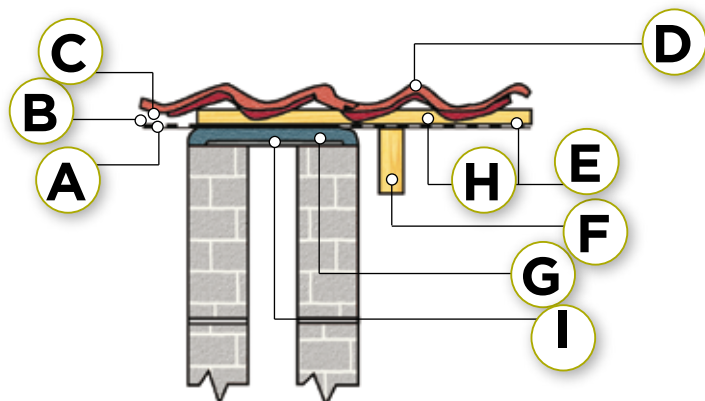


KEY FOR DIAGRAM

- a Soffit
- b Felt
- c Barge Board
- d 38-50 Overhang
- e Slate Undercloak
- f Mortar Bedding
- g 420x334 Double Roll Verge Tile L.H.
- h Batten
- i Rafter
- j Mortar Bedding
- k Slate cavity closer

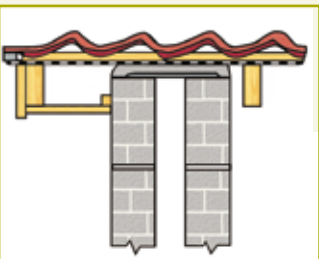


SECTION THROUGH VERGE CONCRETE BARGE



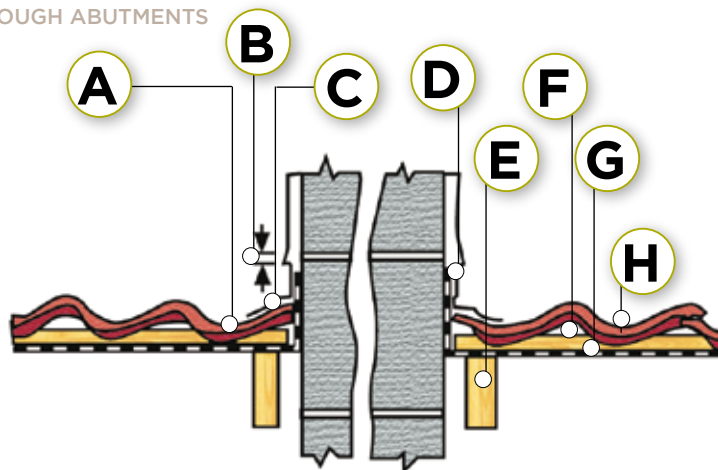
KEY FOR DIAGRAM

- a 38-50 Overhang
- b Slate Undercloak
- c Mortar Bedding
- d Locherne Tile
- e Felt
- f Felt
- g Mortar Bedding
- h Batten
- i Slate Cavity Closer



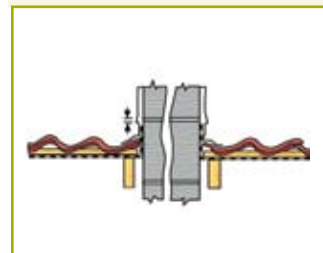
Locherne Fixing Details

SECTION THROUGH ABUTMENTS

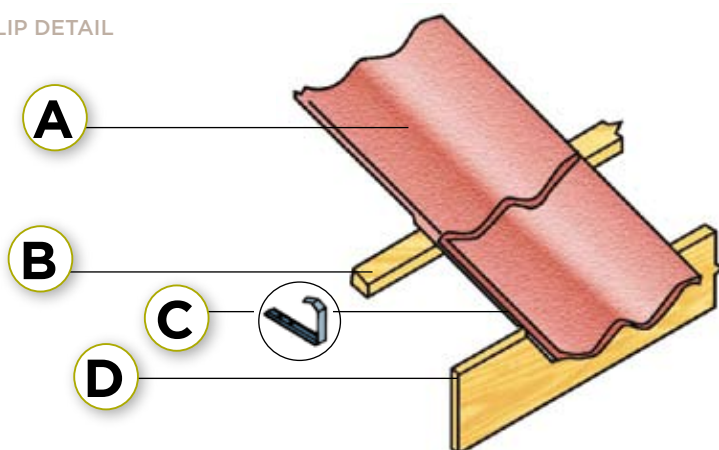


KEY FOR DIAGRAM

- a Locherne cut to rake
- b 15mm
- c Abutment Flashing
- d Lead Flashing (BS No.4)
- e Rafter
- f Batten
- g Felt
- h Locherne Tile

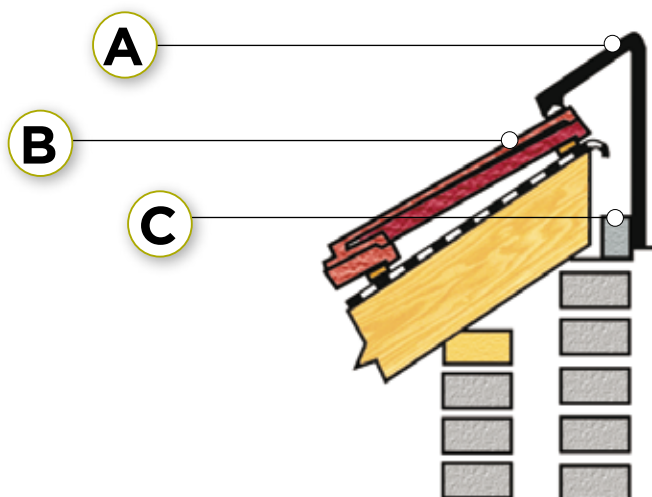
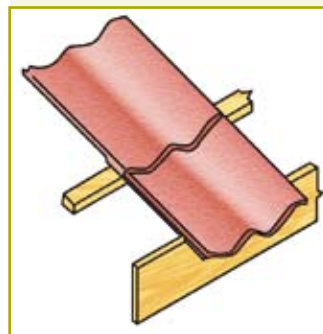


TAIL & EAVES CLIP DETAIL



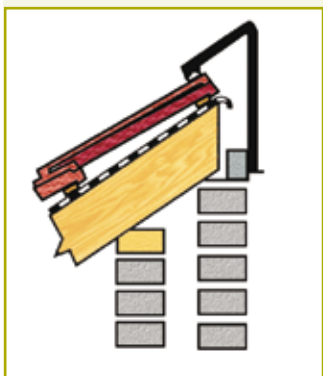
KEY FOR DIAGRAM

- a Locherne Tile
- b Batten
- c Standard Locherne Cup
- d Fascia Board



KEY FOR DIAGRAM

- a Mono Ridge Tile
- b Bedding Mortar
- c Wall Plate



Lakeland Slate Range

The Lakeland Slate range delivers the beauty and character of natural slate with the durability, precision manufacturing and cost effectiveness of concrete tiles.

The Lakeland Slate range is manufactured with precisely metered pigmented concrete and receives a high quality acrylic paint coating to ensure a rich long lasting colour. Available in Black, blue/black and grey both the Rathmore and Devenish are ideal when planning stipulates a blue/black slate. Furthermore, both tiles have a hidden interlock detail that gives the appearance of natural slate. The tiles are delivered fully palletised and stretch hooded to allow for easy and safe handling on site.

RATHMORE

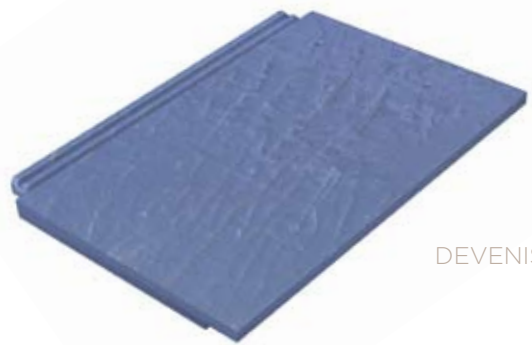
The Rathmore provides us with a low profile slate look alike at a truly economical price. This smooth surface, thin leading edge tile is available in four colours of Matt Black, Gloss Black, Blue/black and slate grey and when fixed on roofs offers a smooth and unique experience.

DEVENISH

The Devenish has a finely detailed textured surface and is available in two gloss colours of Black and Blue/Black. Quality comes naturally to this product and is a pleasure for both the specifier and the end user. Highly versatile, it is equally suitable for new build projects or the refurbishment of old style buildings.



RATHMORE



DEVENISH



Technical Information

Rathmore and Devenish



Size		420mm x 334mm
Minimum Pitch		22
Maximum Pitch (without special fixing)		44
Headlap (min/max)	17.5 - 22.5	120mm (min) 140mm (max)
Headlap (min/max)	above 22.5	100mm/140mm
Maximum Gauge		320mm
Linear cover		300mm - 302mm
Covering Capacity (nett at 320mm gauge)		10.4 Tiles/m ²
Surface	Rathmore Devenish	Smooth Riven Textured
Weight (approx.)	at 320 gauge	48 kg/m ²
Weight (approx.)	per 1,000 tiles	4.6 tonnes
Batten size Rafter centres not exceeding 600mm		38mm x 25mm
Battens required (nett)	at 320mm gauge	3.1 metre/m ²

Abutment	Secret Gutter (cover Flashing)
Eave	Standard Tile
Ridge/Hip	457mm angle type, Ridge Tile butt-jointed

CLIPS

Main Roof	Standard Locherne Tile Clip
Verge	Standard Lakeland Slate Verge Clip
Eave	Standard Lakeland Slate Eave Clip

FIXING

For a full range of fixing alternatives and requirements please refer to BS 5534 : part 1 : 1997

Verge	Bedded with Mineral fibre strip
Nails	45mm x 3.35mm alloy ringshank
No. of tiles/pallet	240

Rathmore and Devenish

Model Specification & Fixing Details

TILES

The roof is to be covered with DEVENISH or RATHMORE flat tiles as per sample approved and laid in even courses of not more than 320mm gauge and not less than 100mm headlap. The tiling is to be broken bonded.

UNDERLAY

Approved reinforced roofing felt is to be laid over rafters, lapped 150mm horizontally and 150mm vertically, carried well into gutters, and secured with clout nails. The underlay must drain any moisture into the eaves gutter and be fixed so that no troughs are formed in which water can be trapped. If necessary, full support must be provided.

BATTENS

Approved quality softwood tiling battens to be laid to the correct gauge determined by the roof pitch (see Technical Information). The joints of the battens should always meet half way across top of rafters.

VERGES

The verges are to be formed with half tiles and full tiles in alternate courses. All verges are to be bedded on a mineral fibre strip. Only very slight tilt is to be given, starting with the third tile from the verge. The 150mm mineral fibre strip is to be butt-jointed and project 38-50mm over gable wall or bargewood.

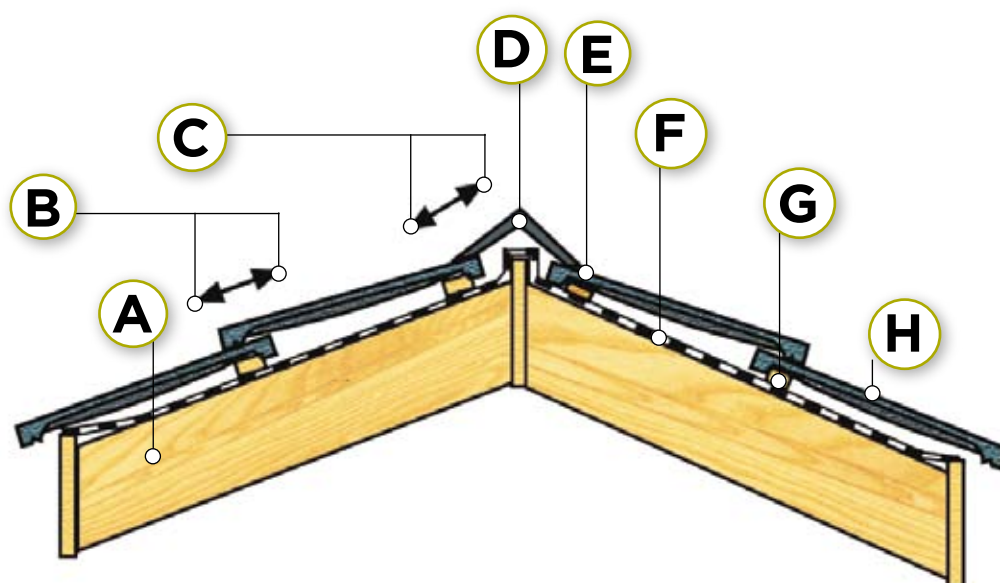
RIDGE AND HIP

The ridges and hips are to be covered with Universal Angle Ridge tiles similar in colour to the main roof and edge bedded in mortar, with solid bedding at butt joints. The ridge tiles must provide a minimum cover of 75mm over the top course of tiles.

VALLEYS

The Valleys are to be formed with lead lining (or other approved lining) supported on valley boarding with tiles neatly cut and bedded on asbestos slate undercloak, leaving 125mm clear channel.

RIDGE



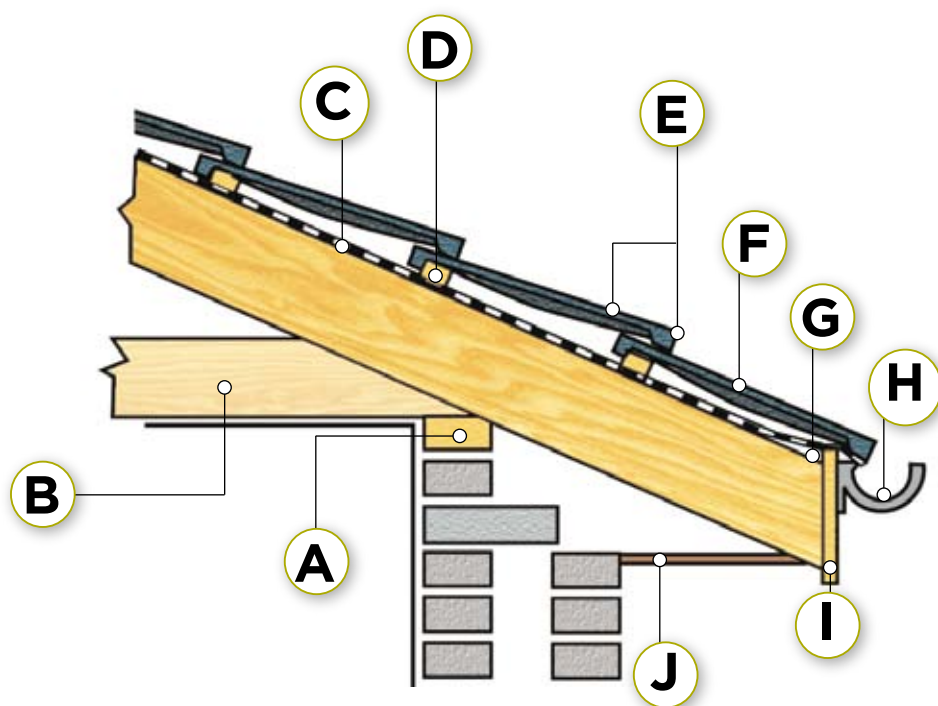
KEY FOR DIAGRAM

- a Rafter
- b Min 75mm Headlap
- c Min 75mm Headlap
- d Angle Ridge Tile
- e Continuous Edge Bedding
- f Under Felt
- g Battens (to suite rafter centres) at Max 345 Gauge
- h Standard Tile



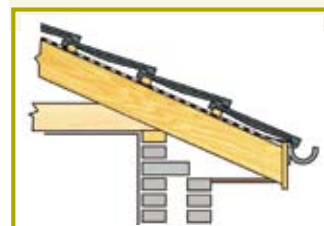
Rathmore and Devenish Fixing Details

EAVES DETAILS

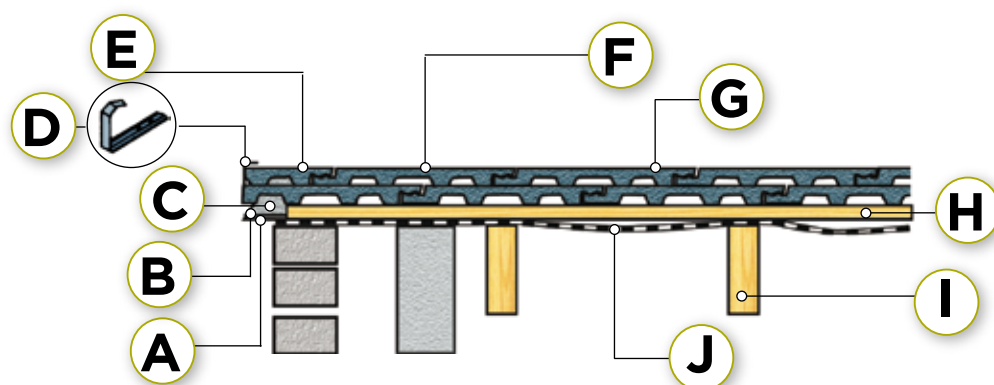


KEY FOR DIAGRAM

- a Wall Plate
- b Ceiling Joist
- c Underfelt carried into Gutter
- d Battens at Max 320 Gauge
- e Min 100mm Headlap
- f 420x334 Standard Tile
- g Angle Fillet
- h Gutter
- i Fascia
- j Soffit with Ventilation Holes

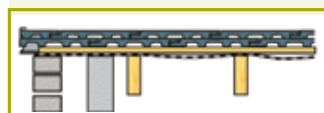


STANDARD VERGE BEDDED AND CLIPPED



KEY FOR DIAGRAM

- a 115mm Undercloak
- b 38-50mm Overhang
- c Mortar Bed
- d Stainless Steel Verge Clip
- e 420x150mm Left Hand Verge Half Tile
- f 420x300mm Left Hand Verge Tile
- g 420x334 Standard Tile
- h Batten
- i Rafter
- j Underfelt



Calculating Tables

Interlocking rooftiles

COURSES UP ROOF SLOPE	SLOPE LENGTH COVERED AT END LAPS OF			
	75mm	100mm	120mm	140mm
1	0.420	0.420	0.420	0.420
2	0.765	0.740	0.720	0.700
3	1.110	1.060	1.020	0.980
4	1.455	1.380	1.320	1.260
5	1.800	1.700	1.620	1.540
6	2.145	2.020	1.920	1.820
7	2.490	2.340	2.220	2.100
8	2.835	2.660	2.520	2.380
9	3.180	2.980	2.820	2.600
10	3.525	3.300	3.120	2.940
11	3.870	3.620	3.420	3.220
12	4.215	3.940	3.720	3.500
13	4.560	4.260	4.020	3.780
14	4.905	4.580	4.320	4.060
15	5.250	4.900	4.620	4.340
16	5.595	5.220	4.920	4.620
17	5.940	5.540	5.220	4.900
18	6.285	5.860	5.520	5.180
19	6.630	6.180	5.820	5.460
20	6.975	6.500	6.120	5.740
21	7.320	6.820	6.420	6.020
22	7.665	7.140	6.720	6.300
23	8.010	7.460	7.020	6.580
24	8.355	7.780	7.320	6.860
25	8.700	8.100	7.620	7.140

TILES IN COURSE	LENGTH COVERED USING QUINN ROOFTILES
3	0.940m
4	1.242m
5	1.544m
6	1.846m
7	2.148m
8	2.450m
9	2.752m
10	3.054m
11	3.356m
12	3.658m
13	3.960m
14	4.262m
15	4.564m
16	4.866m
17	5.168m
18	5.470m
19	5.772m
20	6.074m
21	6.376m
22	6.678m
23	6.980m
24	7.282m
25	7.584m
26	7.886m
27	8.188m
28	8.490m

These lengths are the overall distance from the tail of the eaves course to the head of the ridge course for the headlaps stated. Any intermediate length can be obtained by using the same number of courses as for the next higher listed length and reducing the batten gauge (increasing the lap) to suit.

Gauge = $L - 420$

Where L = Slope length in mm
N = Number of courses

These tables are intended as estimating guides only. The figures quoted are based upon normal tile sizes which are subject to manufacturing tolerances. Refer to BS EN 490 (1994)

Note: These lengths are based on a setting out gauge of 900mm for three standard tiles. Although the tolerance fit of the interlock will permit a small amount of play, this should not be relied on to accommodate inaccuracies in setting out the roof.

All figures are nett. Wastage is to be added.

Colours

The pictures below show our range of colours chosen carefully to blend with traditional roofing trends throughout the country.

These printed illustrations have been matched as accurately as can be produced by the printing process. Samples should be obtained of precise colours and textures for final selection.

Green tiles made to order, allow six weeks for delivery.

RATHMORE Blue/Black



Available in Matt Black, Gloss Black and Grey.

DEVENISH Gloss Black



Available in Blue/Black.

***LOCHERNE** Country Blend



***WESTERN** Slate Grey



*Available in rustic mix, turf brown, mid brown, country blend, clay red, black and slate grey.



Ridge Tiles

Quinn Rooftiles manufacture a large range of concrete Ridge tiles including ornamental Finials, Crested Ridge and Fleur-De-Lys.

These are available ex-stock in a variety of colours to match our range of Rooftiles. The standard length of Ridge tile is 457mm and we also supply Baby ridge in both angle and 1/2 round at 300mm long.



Universal Angle Ridge



1/2 Round Ridge



Universal Mono Ridge



Crested Ridge



Fleur-De-Lys



Block End Scroll End Finial



Block End
Ball Finial on Fleur-De-Lys



Scroll Finial



Duo Block End - 1/2 Angle Ridge



Duo Block End - Half Round



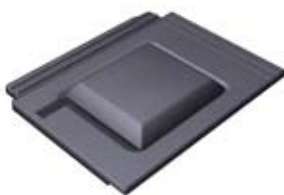
Baby Angle

Accessories

We stock a large range of accessories, some of which are illustrated below to meet an increasing demand from Architects and Specifiers for both aesthetically pleasing and high efficiency dry fix systems.



Standard Tile Vent
(*Locherne)



Standard Tile Vent
(*Western)



Standard Tile Vent
(*Lakeland Slate)



Angle Vent Ridge Unit
(Also available in 1/2 Round. Not suitable for use with Quick Ridge Joints)



Flexi Pipe
(For Tile Vent)



Adaptor
(For Tile Vent)



Selection of Tile Clips



Plain Tiles (267 x 168)
Available in a range of colours.
Suitable for Bay windows, Porches etc.



Plastic Jointers with 110mm screw, nails & washers
(suitable 1/2 Round & Angle Ridge)



Plain Tile

*Note: Not for use below pitch of 25°. Maximum headlap 120mm.

Quinn Dry Roofing Solutions

Dry Roofing is the term used to describe the mechanical fixing of certain areas of the roof without the use of mortar. Considering its many advantages, we have incorporated a range of dry fix products.

ADVANTAGES OF DRY ROOFING

- Securely fixed means that they are quite secure and offers better resistance to wind uplift and water penetration.
- Allows for all weather fixing.
- Eliminates mortar bedding and pointing.
- Maintenance free. No risk from frost.
- Quick and easy to install with no special tools required.
- Compatible with all our tiles.

QUINN DRY RIDGE SYSTEMS

Ventilated Dry Ridge

Our Ventilated Dry Ridge system provides unobtrusive continuous roof space ventilation at ridge level combined with a secure mechanical ridge fixing. It is designed to be used with both profile and flat tiles, both half rounded and angle ridge.

FEATURES

- Provides a neat and attractive finish to the Ridge line.
- Appearance of traditional mortar bedded ridge.
- Finish at gable ends with our Block End ridge.
- Complies with BS 5250 for roof space ventilation and when used reduces the risk of harmful condensation in the roof.
- High resistance to storm damage.
- Maintenance free.
- Each pack contains enough components for 2.7 Linear Metres (6 Ridges).

COMPONENTS

Ridge unions- Shaped to suit the ridge profile. They fit between the Ridges, holding them secure.

Nails- Ridge unions are fixed to the ridge batten by 110mm Ring shanked nails with neoprene washers.

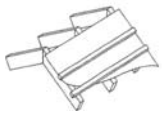
Galvanised steel ridge batten straps-They hold the batten ridge in place.

Profile fillers- To be used with our Loch Erne Range. Provides a firm seating for the Ridge tiles and a 4mm protection against large insect ingress.

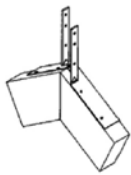


Quinn Dry Roofing Solutions

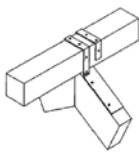
Quinn Ventilated Dry Ridge System



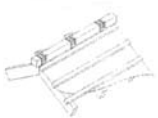
1. Lay the underlay and batten the roof in the normal manner, but do not fix the top tiling battens at this stage. Ensure that the top courses of underlay are cut to finish 30mm short of the ridge apex.



2. Bend the ridge batten straps at the centre mark, to suit the pitch of the roof. Position them centrally over the roof apex, at not more than 1000mm centres, and secure to the rafters or trusses with 30mm Clout head nails (only through the sections with nail holes). Bend the free sections of the ridge batten straps, where marked, vertically upwards on both sides of the ridge.



3. Select a ridge batten of the correct size to suit the roof pitch and the type of roof tile being used and position between the upturned sections of the straps. Bend the straps over the ridge batten and secure with clout head nails.



4. Position and fix the top tiling battens so that the minimum headlap of the ridges over the top courses of tiles is maintained. Nail the tiling battens over the ridge batten straps and then lay and fix the top courses of tiles in the normal way.



5. For locherne tiles, click profile fillers into the ventilation units and then click the ventilation units end to end and position either side of the ridge. Make sure they are facing the correct way. (Note that the arrows on both the ventilation units and the profile fillers point towards the ridge). It may be necessary to cut the final pieces to suit the ridge length.



6. At gables fit a block end ridge on the ventilation units and then fit a ridge seal under the open end of the ridge tile. Always work from the Gable towards an abutment. To secure the Block End ridges it will be necessary to drill a 4mm diameter hole, 100mm in from the outside end. Fix securely using a ridge connector plate and a 110mm Stainless steel screw nail and washer hammer and then finally tightened with a screwdriver. They may also be removed with a screwdriver.



7. Position a ridge to ridge seal under the open end of the first ridge tile and then place the next ridge tile over the seal. Place a ridge tile connector plate over the joint, parallel to the ridge line, and nail securely through the hole in the ridge seal, into the ridge batten, with the Screw nails and washers provided. Continue fixing in the same way along the entire length of the ridge, cutting the final ridge tile to fit. Do not attempt to secure cut ridges less than 200mm long. In this case cut the last 2 ridge tiles. Never place cut ridge tiles at the end of the ridge line.

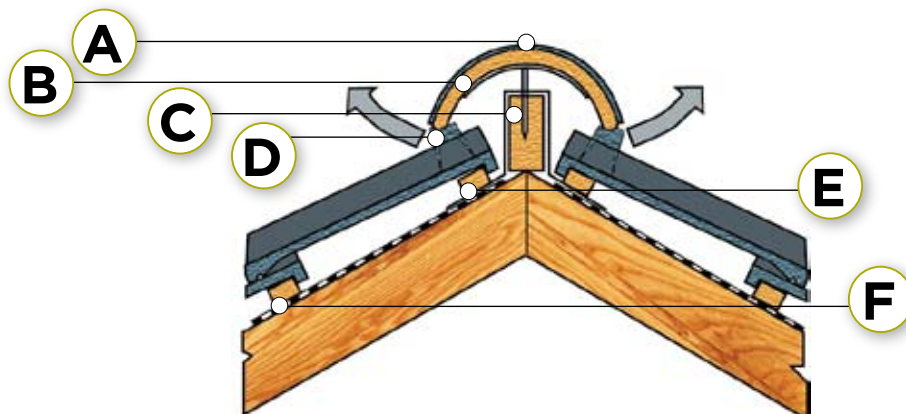


Quinn Dry Roofing Solutions

Quinn Ventilated Dry Ridge System

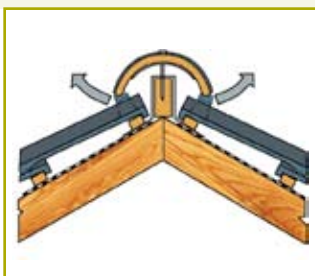
FIXING DETAILS

Quinn Ventilated Dry Ridge System with half round ridge and pantiles

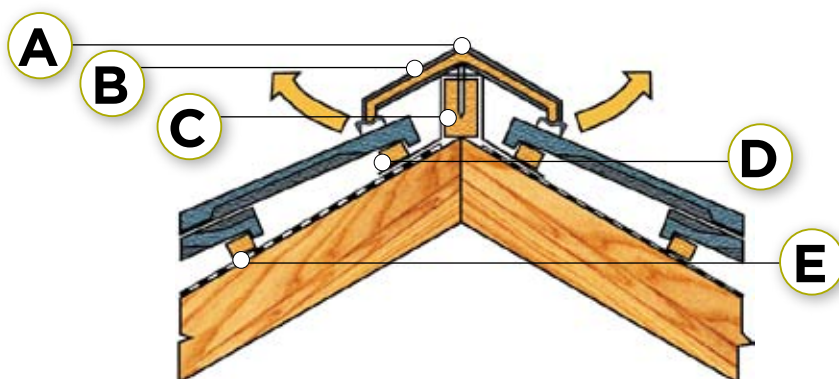


KEY FOR DIAGRAM

- a 110mm Screw nail with stainless steel plate & washer
- b Half Round Ridge Union
- c Ridge Batten
- d Profile Filler
- e Ridge Batten Strap
- f Approved Underlay set back 30mm from Apex

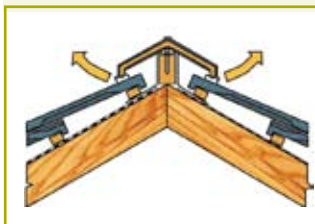


Quinn Ventilated Dry Ridge System with angle ridge and flat tiles



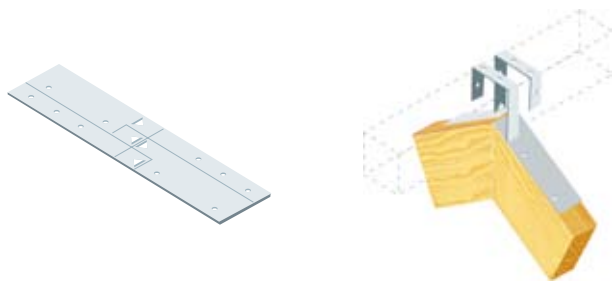
KEY FOR DIAGRAM

- a 110mm screw nail with stainless steel plate & washer
- b Universal Angle Ridge Union
- c Ridge batten ventilation unit ridge batten strap
- d Approved underlay set back 30mm from apex



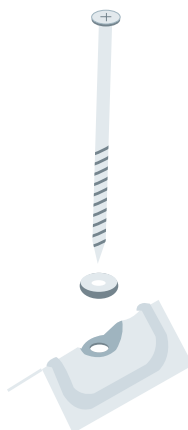
COMPONENTS

Each pack contains sufficient components to fix 6 ridge tiles.

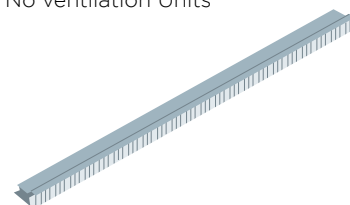


4 No Ridge Batten Straps

6 No Ridge to Ridge Seals



6 No ventilation Units



18 No Profile Fillers
(Locherne only)

Quinn Dry Roofing Solutions

Quinn Quick Fix Ridge System

The Quinn Quick Fix Ridge System was developed as an alternative to the traditional mortar bedded ridge and is a non-ventilating dry fix system. This system has the advantage of been much faster to install on site and does not require any special skills. It is designed to be used with our full range of Rooftiles and Ridges.

FEATURES:

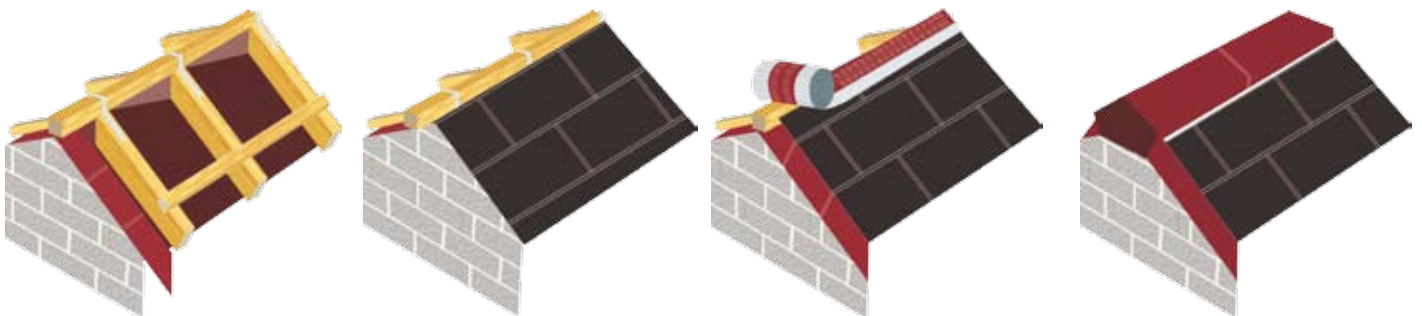
Neat, uniform appearance.
No special skills required to install.
Up to 40% faster than traditional mortar bedded ridge.
Can be fixed even when bad weather is forecast.
Guaranteed weather tight for 15 years when used with Quinn Rooftiles and Ridges and fixed according to instructions.

COMPONENTS: (each box contains sufficient components to fix 5 metres of Ridge tiles)

1 no 300mm wide x 5 metre long ridge roll.
10 no Ridge to Ridge seals.
11 no 110mm stainless steel screw nails with fitted neoprene washers.
11 no Ridge tile connector plates
6 no galvanised steel batten straps.



1. Lay the underlay and batten the roof in the normal manner, but do not fix the top tiling batten at this stage. Ensure that the top batten is as close to the ridge batten as the tile nibs will allow. Install a ridge batten, using a combination of tiling battens to achieve the correct height.
2. Lay and fix the top courses of tiles in the normal way, including all dry verge or mortar bedded verge tiles/slates. Ensure that all fixing of tiles/slates is in accordance with fixing recommendations.
3. Before installing the ridge roll, make sure that the tiles/slates are dry and free from dust and any other surface contamination which could prevent the butyl from sticking to the tiles/slates.
4. Roll out the ridge roll along the centre line of the ridge batten and secure with staples or felt nails. Peel off the protective paper strip from the butyl tapes on either side of the roll and press down on to the tiles/slates, ensuring a continuous surface contact.
5. Position a ridge to ridge seal under the open end of the first ridge tile and then place the next ridge tile over the seal. Place a ridge tile connector plate over the joint, parallel to the ridge line, and push a plastic plug through the hole in the plate and into the ridge to ridge seal. Nail securely through the hole and into the ridge batten, using the screw nails and washers provided. The screw nails can be driven in with a hammer and then finally tightened, or removed, with a screwdriver. Always ensure that the screw nails penetrate the ridge batten by a minimum of 30mm. Continue fixing in the same way along the entire length of the ridge, cutting the final ridge to fit. Do not attempt to secure cut ridges less than 200mm long. In this case cut the last 2 ridge tiles. Never place cut ridge tiles at the end of the ridge line.



Quinn Dry Roofing Solutions

Quinn Dry Hip System

The Quinn Dry Hip System is a fast and easy way to mechanically fix your ridges along the hip without the burden of using mortar. The system may be fixed in all weathers and is maintenance free.

FEATURES

- Suitable for use with Quinn Universal Angle Ridge tiles.
- Quick to lay and can be done in all weather conditions.
- Complies with BS 5534 requirements for mechanically fixing.
- Ridges are secured to the hip batten using stainless steel screws giving exceptional resistance to wind uplift.
- Provides a uniform appearance to your hip line.

COMPONENTS: (each box contains sufficient components to cover 2.7m Hip)

- 3 no Batten Straps
- 6 no Ridge Plates
- 7 no Nails with Washers
- 8 no Hip Clips
- 1 no Fixing Instruction
- 6 no Ridge Joints
- 1 no Ridge Roll
- 3 no Hip Trays *Packed Separately*.



Quinn Dry Roofing Solutions

Quinn Dry Verge System

Dry verge is a fast and effective dry fix solution without the inconvenience of using mortar. Providing a maintenance free alternative and high resistance to wind uplift and water penetration, this method is rapidly becoming the preferred choice of the consumer and installer alike.

INDIVIDUAL DRY VERGE SYSTEM

This system provides a simple and secure method of fixing rooftiles to the verge of the roof and is compatible with all of our profiles. It provides a neat, consistent appearance and withholds the appearance of the stepped nature of the Rooftiles.

FEATURES

- Units are quick and easy to interconnect.
- Starter units allow for small adjustments to achieve a secure fit and uniform appearance.
- Available in Black, Grey, Clay Red and Turf brown.
- Units are adapted to suit either left or right hand verge.
- Unaffected by expansion or settlement problems.
- Can be laid at various headlaps.
- Eliminates mess and inconvenience associated with using mortar.
- Maintenance free as opposed to mortar cracking and associated problems.
- Can be fixed in all weather conditions.
- Complies fully to BS 5534 for mechanical fixing.

CONTINUOUS DRY VERGE SYSTEM

Continuous Dry verge is specially designed to permanently secure tiles on the gable end of houses. It ensures a robust fixing giving greater security and added strength against driving rain and wind uplift. This dry verge gives an attractive line and finish to gable ends while also providing complete continuous cover against water penetration.

FEATURES

- 3 metre lengths
- Available in Black, Blue/Black.
- Connector units available for longer runs
- Ridge end caps complete the apex
- Provides a maintenance free finish.
- Easy to install
- Consistent appearance
- Highly cost effective
- No special tools or adhesives required



Quality Control

The manufacturing process is monitored at various stages of development to ensure that the finished product meets the requirements of national and international standards, and most importantly, customer satisfaction. Regular inspection of materials, manufacturing equipment and final product are carried out by trained personnel prior to, during and after production.

Technicians from Quinn Group Laboratory monitor all raw materials used in the production process. Raw materials including sand, grit and cement (supplied locally from Quinn Quarries) are inspected and tested on a weekly basis to ensure suitability for inclusion in production. Certificates of compliance for all materials supplied either internally or externally are maintained.

During the manufacturing process, authorized production personnel carry out a number of inspections. The wet tiles are checked for dimensions, weight and general appearance so as to make sure the process is functioning as planned in this early stage. Prior to packaging, the cured tiles are checked again for dimensional, strength, paint coverage and fitting characteristics so that all products going to stock are suitable for use.

The final product is inspected and tested at a frequency of no less than that which is documented in the European standards for concrete roofing tiles. All final product testing is carried out by the Laboratory technicians in accordance with the requirements of "BS EN 491 : 1994 - Concrete Roofing Tiles and Fittings - Test Methods" to meet the requirements of "BS EN 490 : 1994 - Concrete Roofing Tiles and Fittings - Product Specifications". On confirmation of compliance to such requirements, the Sales department are notified for release of product.

The inspection and testing of all elements of rooftile production forms an integral part of the Quality Management System operated by Quinn Rooftiles to BS EN ISO 9001 : 2000 which is managed by the British Standards Institute. As a requirement of this, B.S.I personnel select random samples of the finished product on an annual basis, for analysis to BS EN 490 by a UKAS approved Laboratory for maintaining our Kite Mark product certification.

TILE FIXING

Check that tiles are mechanically fixed where required to meet National regulations in the applicable place of use. Refer to pages 213-214 Homebond Manual or BS 5534.

The recommendations are determined by exposure category, wind speed etc. Detailed fixing instructions can be obtained from your local standards authority. The recommendations should be followed for general security. In many cases, the fixing recommendations for wind loads would far exceed the minimum recommendations.

Requirements for mechanical fixing depends on

- Roof pitch
- Location
- Height of building



Distribution & Services

We offer an extensive and efficient delivery service to all parts of Ireland. Our modern fleet of seven ridget and three articulated lorries fitted with cranes and Articulated units combined with Moffat mounty forklifts mean we can deliver the finished product to even the most extreme site locations.

We can deliver Rooftiles fully palletised and shrink hooded allowing safe and easy handling on site in addition to minimising breakages. We also hold large stockpiles at our manufacturing base to ensure that every order is processed without delay.

In common with all companies within our group we pride ourselves on the standard of our service and support. We strongly believe that you our customer deserve the best and endeavour at all times to satisfy each unique requirement.

TECHNICAL SOLUTIONS

Our experienced technical staff can provide you with access to over 20 years of roofing expertise and offer a comprehensive package of technical services. All our staff undergo constant training to ensure we are at the forefront of roofing technology and that we can offer innovative and cost effective roofing systems.

AFTER SALES SERVICE

A product of quality which we can offer requires in itself very little if any backup service. We have a solid history of customer satisfaction.

However there will always be the occasion when further tiles are required or when additional services may be sought. Quinn Rooftiles are always happy to respond.



For Further information:

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AERATED THERMAL BLOCKS



CEMENT



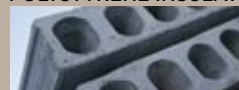
CONCRETE ROOFTILES



POLYISOCYANURATE (PIR)



POLYSTYRENE INSULATION



PRESTRESSED



QUARRY



TARMAC



ENERGY



FINANCIAL SERVICES



GLASS



HOTELS



PACKAGING



PLASTICS



PROPERTY



RADIATORS



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