QUINN ROOFTILES

PRODUCT GUIDE

QUINN ROOFTILES

quinn-buildingproducts.com

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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 compromising 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 multiple 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.

WESTERN SLATE

LOCHERNE

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

LOCH ERNE

ABUTMENT WITH STEP AND COVER FLASHING

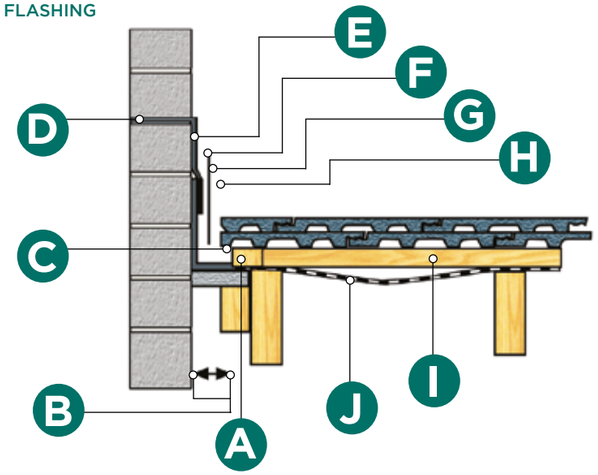


DIAGRAM KEY

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

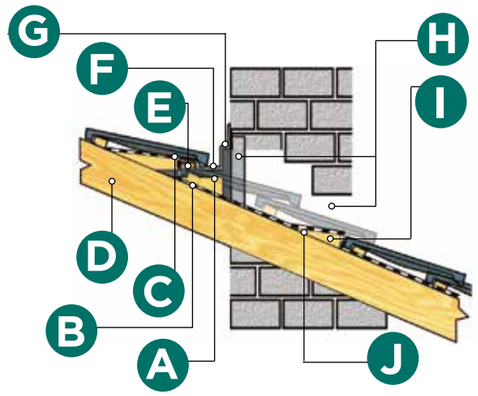


DIAGRAM KEY

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

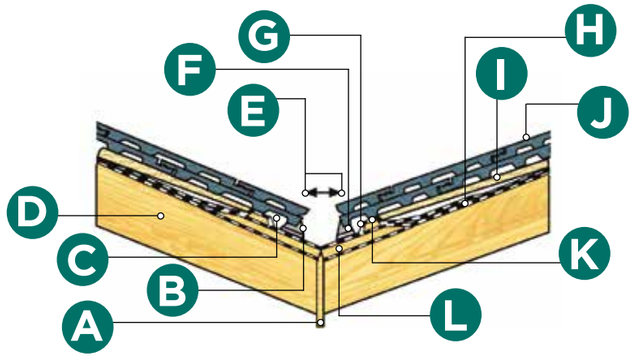


DIAGRAM KEY

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/m²
Surface		Smooth
Weight (approx.)	at 345 gauge	50 kg/m²
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/m²

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

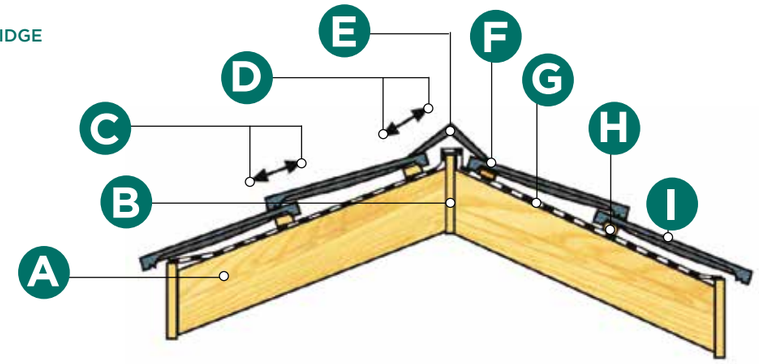


DIAGRAM KEY	
A	Rafter
B	Ridge Tree
C	Min 75 Headlap
D	Min 75 Headlap
E	Angle Ridge Tile
F	Continuous Edge Bedding
G	Under Felt
H	Battens (to suit rafter centres) at Max 345mm Gauge
I	Standard Tile

EAVES DETAILS

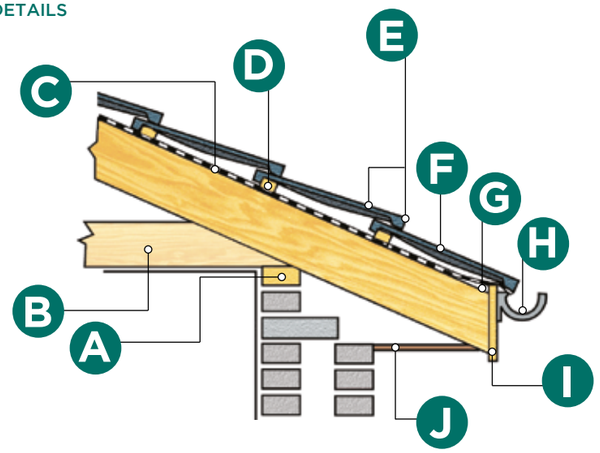


DIAGRAM KEY	
A	Wall Plate
B	Ceiling Joist
C	Underfelt Carried into Gutter
D	Battens at Max 345 Gauge
E	Min 75mm Headlap
F	420x334mm Std Tile
F	Angle Fillet
G	Gutter
I	Fascia
J	Soffit with Ventilation Holes

STANDARD VERGE

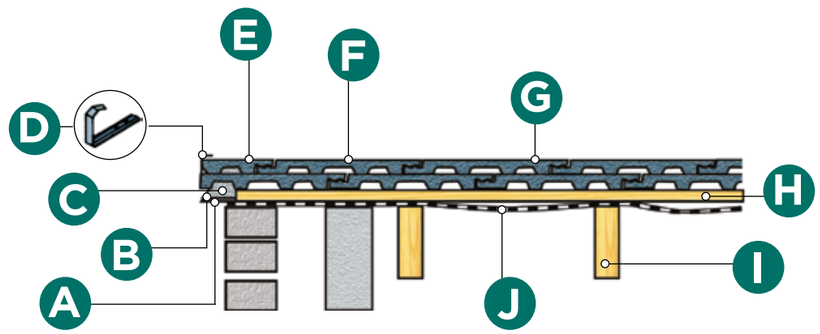


DIAGRAM KEY	
A	115mm Undercloak
B	38-50mm Overhang
C	Mortar Bed
D	Stainless Steel Verge Clip
E	420x150mm Left Hand Verge Half Tile
F	420x300mm Left Hand Verge Tile
G	420x334mm Standard Tile
H	Batten
I	Rafter
J	Underfelt

Western Slate

Fixing Details

ABUTMENT WITH STEP AND COVER FLASHING

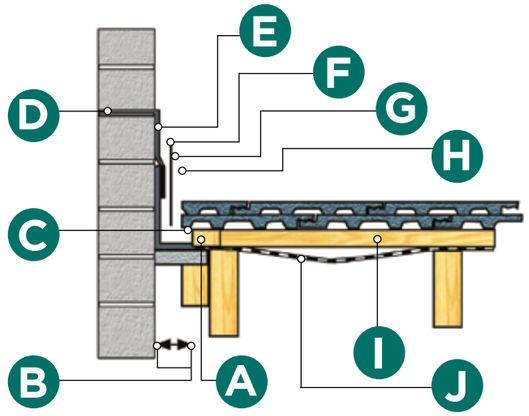


DIAGRAM KEY	
A	Counter Batten
B	80mm
C	Welt
D	D.P.C.
E	Code 4 Lead Cover Flashing
F	Code 5 Lead Line Secret Gutter
G	25mm Board Support
H	25 - 38mm Gap
I	Batten
J	Underfelt

SECRET GUTTER

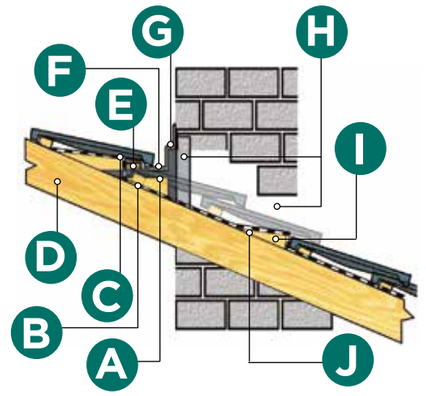


DIAGRAM KEY	
A	25mm Board Support to Back Gutter
B	Code 5 Lead Lining
C	Welt
D	Rafter
E	50x25mm Tilting Fillet
F	Code 4 Lead with Welt
G	203 x 25mm Board
H	Steeped Lead Flashing
I	203x50mm Sprayed Timber Fillet
J	25mm Board Support to Secret Gutter

SECRET GUTTER

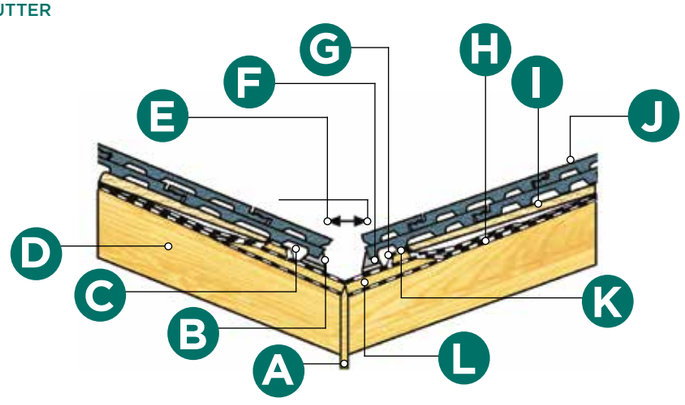
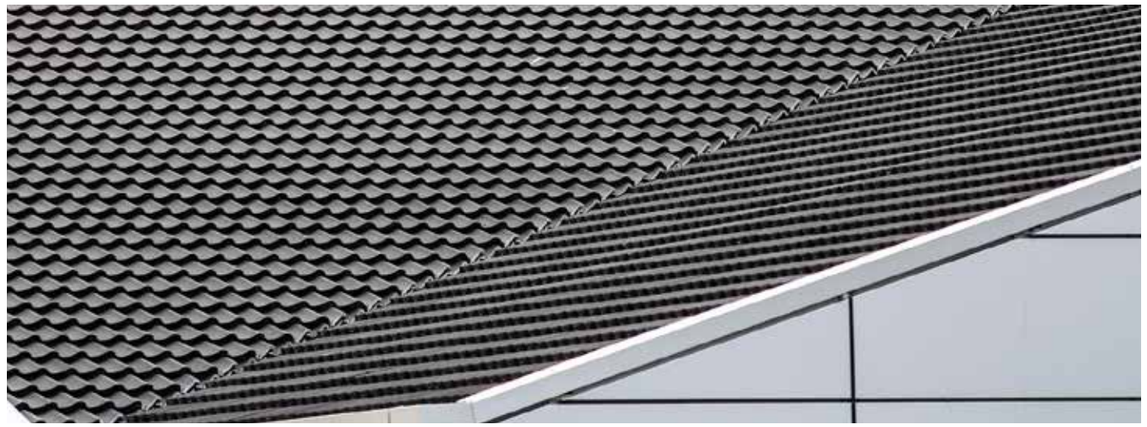


DIAGRAM KEY	
A	Valley Rafter
B	Code 5 Leading Lining
C	Undercloak
D	Rafter
E	Min 100mm
F	Mortar Bedding
G	Welt in Code 5 Lead
H	1m Wide Felt Strip
I	Batten
J	Standard Tile Cut to Rake
K	Counter Batten
L	Valley Board Max 23mm Thick

Locherne

Technical Information



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/m²
Surface		Smooth
Weight (approx.)	at 345 gauge	45.5kg/m²
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/m²

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.

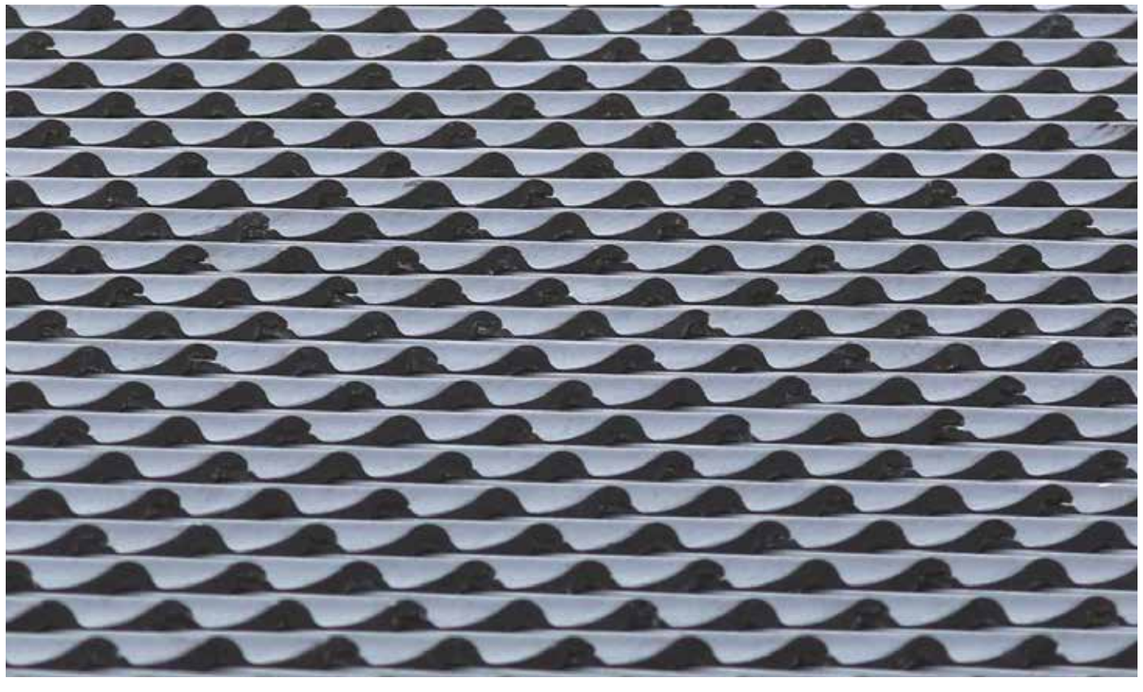
EAVES
Eaves to be formed with standard tiles and eaves filler supplied by manufacturer. The eaves course must be laid at the same pitch as the rest of the roof.

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

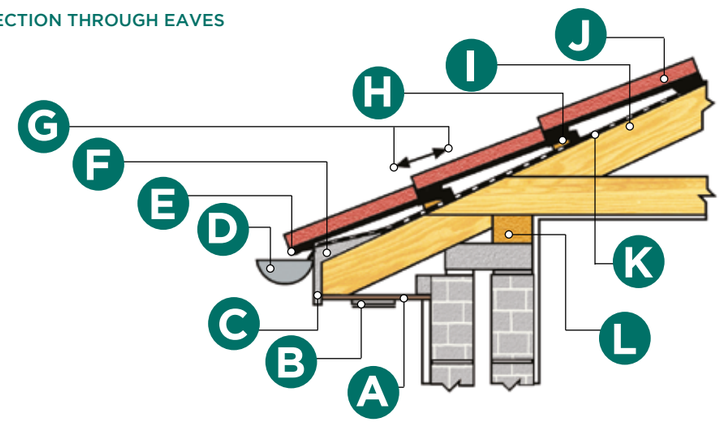


DIAGRAM KEY	
A	Soffit
B	75 x 225 Ventilator
C	Fascia Board
D	Gutter
E	Eaves Filler
F	Fillet
G	Headlap (75mm Min)
H	Batten
I	345mm Max Gauge
J	Locherne Tile
K	Felt
L	Wall Plate

SECTION THROUGH RIDGE

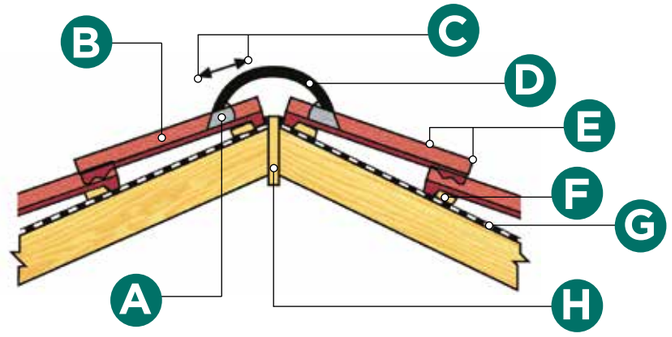


DIAGRAM KEY	
A	Mortar
B	Locherne Tile
C	Headlap (75mm Min)
D	Half Rounded Ridge Tile
E	Headlap (75mm Min)
F	Batten
G	Felt
H	Ridge Board

SECTION THROUGH VALLEY

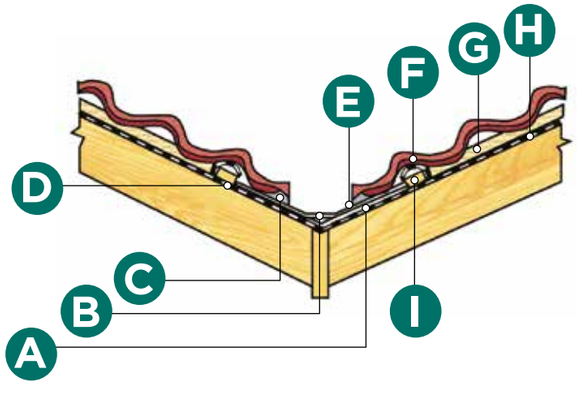


DIAGRAM KEY	
A	Valley Boarding
B	Lead Lining
C	Mortar Bedding
D	600mm Felt Strip
E	Slate Undercloak
F	Locherne Tile Cut to Rake
G	Batten
H	Felt
I	Counter Batten

Locherne

Fixing Details

VERGE CLIP DETAIL

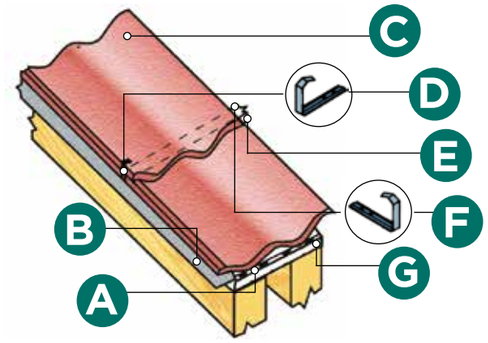


DIAGRAM KEY	
A	Felt
B	Mortar Bedding
C	Locherne Tile
D	Left Hand Locherne Verge Clip
E	Batten
F	Right Hand Locherne Verge Clip
G	Slate Undercloak

SECTION THROUGH VERGE TiMBER BARGE

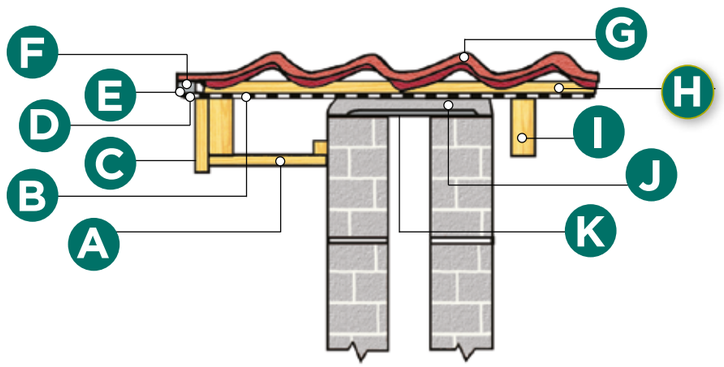


DIAGRAM KEY	
A	Soffit
B	Felt
C	Barge Board
D	38-50 Overhang
E	Slate Undercloak
F	Mortar Bedding
G	420x334 Double Roll Verge Tile L.H.
H	Batten
I	Rafter
J	Mortar Bedding
K	Slate Cavity Closer

SECTION THROUGH VERGE CONCRETE BARGE

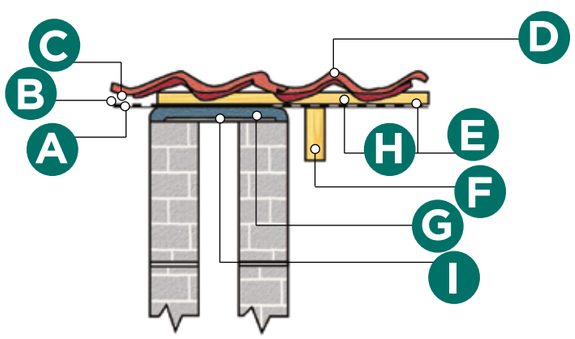


DIAGRAM KEY	
A	38-50 Overhang
B	Slate Undercloak
C	Mortar Bedding
D	Locherne Tile
E	Felt
F	Felt
G	Mortar Bedding
H	Batten
I	Slate Cavity Closer

Locherne

Fixing Details

SECTION THROUGH ABUTMENTS

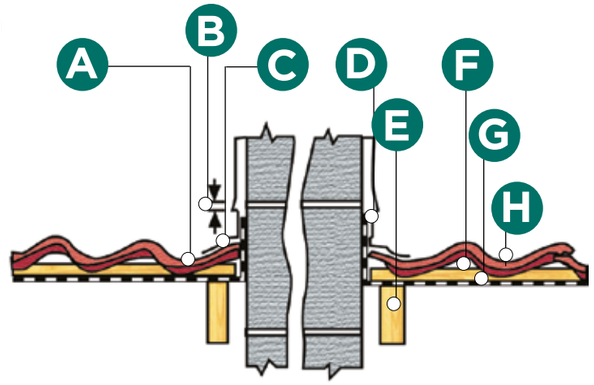


DIAGRAM KEY	
A	Locherne cut to rake
B	15mm
C	Abutment Flashing
D	Lead Flashing (BS No.4)
E	Rafter
F	Batten
G	Felt
H	Locherne Tile

TAIL & EAVES CLIP DETAIL

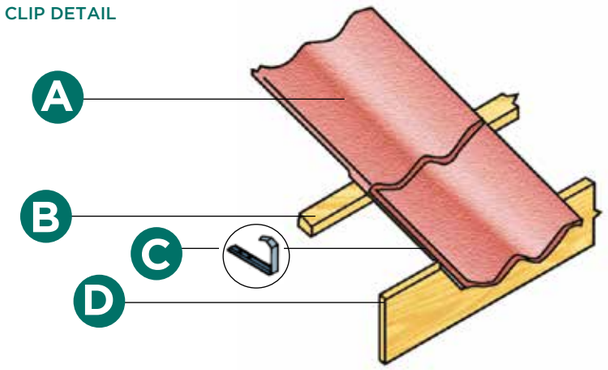


DIAGRAM KEY	
A	Locherne Tile
B	Batten
C	Standard Locherne Cup
D	Fascia Board

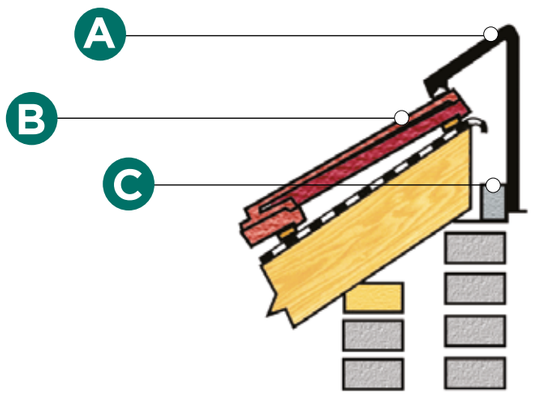


DIAGRAM KEY	
A	Mono Ridge Tile
B	Bedding Mortar
C	Wall Plate

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.

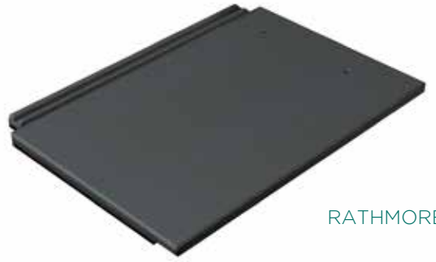
The Lakeland Slate range is manufactured with precisely metered pigmented concrete and receives a high quality acrylic paint coating to ensure a rich long lasting colour. Available in Black and blue/black the Devenish is ideal when planning stipulates a blue/black slate. Furthermore, both tiles have 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

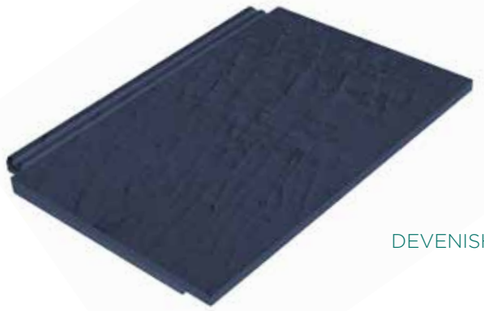
The Rathmore provides us with a low profile slate look alike at a truly economical price. This smooth surface, thin leading edge tile is available in multiple colours and when fixed on roofs offers a smooth and unique experience.

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		17.5
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/m²
Surface	Rathmore Devenish	Smooth Riven Textured
Weight (approx.)	at 320 gauge	48 kg/m²
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/m²

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	40mm 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

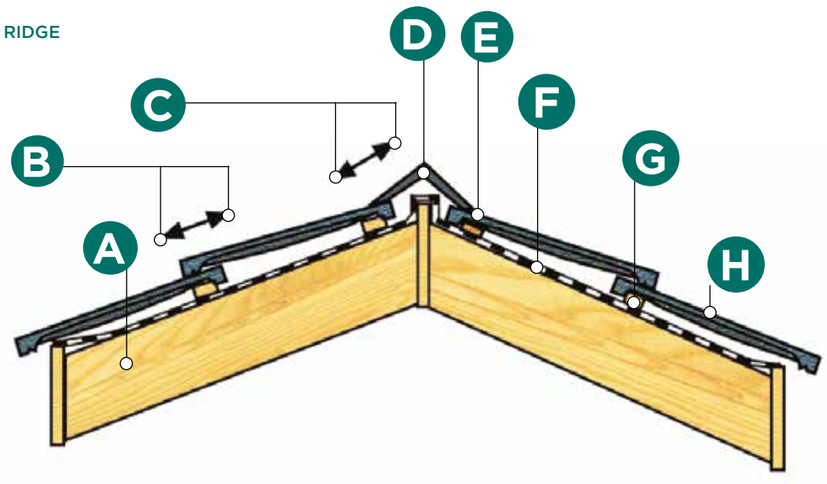


DIAGRAM KEY	
A	Rafter
B	Min 75mm Headlap
C	Min 75mm Headlap
D	Angle Ridge Tile
E	Continuous Edge Bedding
F	Under Felt
G	Battens (to suite rafter centres) at Max 345 Gauge
H	Standard Tile

Rathmore and Devenish

Fixing Details

EAVES DETAILS

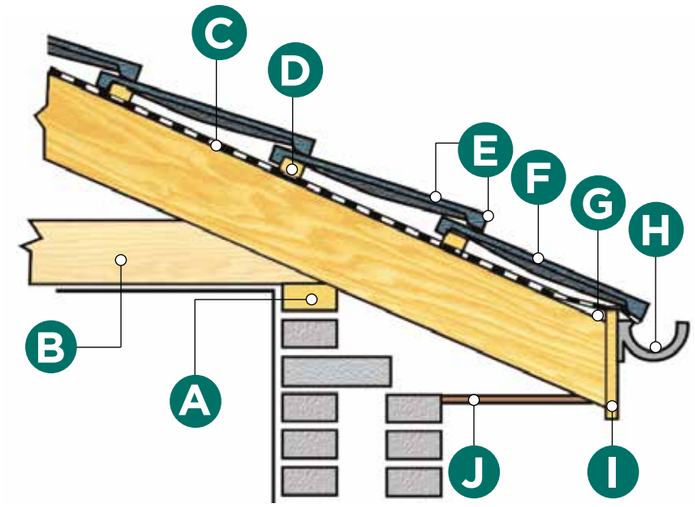


DIAGRAM KEY	
A	Wall Plate
B	Ceiling Joist
C	Underfelt carried into Gutter
D	Battens at Max 320 Gauge
E	Min 100mm Headlap
F	420x334 Standard Tile
G	Angle Fillet
H	Gutter
I	Fascia
J	Soffit with Ventilation Holes

STANDARD VERGE BEDDED AND CLIPPED

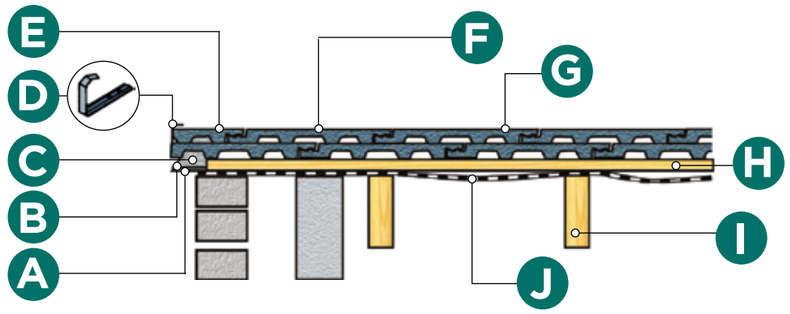


DIAGRAM KEY	
A	115mm Undercloak
B	38-50mm Overhang
C	Mortar Bed
D	Stainless Steel Verge Clip
E	420x150mm Left Hand Verge Half Tile
F	420x300mm Left Hand Verge Tile
G	420x334 Standard Tile
H	Batten
I	Rafter

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.

To maintain original roof appearance periodic roof maintenance is required.

RATHMORE Blue/Black

Also available in Slate Grey, Graphite, Clay Red, Turf Brown and *Rustic Mix. *Straight Cut Only

DEVENISH Gloss Black

Also available in Blue/Black.

LOCHERNE Turf Brown

Also available in Slate Grey, Clay Red and *Rustic Mix.

*Straight Cut Only

WESTERN Slate Grey

Also available in Graphite, Clay Red, Turf Brown and Rustic Mix.

Rustic Mix | Turf Brown | Clay Red | Graphite | Slate Grey

Ridge Tiles

Quinn Rooftiles supply 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

Duo Block End - Half Round

Baby Angle

Duo Block End - 1/2 Angle Ridge

1. Crested Ridge*

2. Fleur-De-Lys*

3. Block End Scroll End Finial*

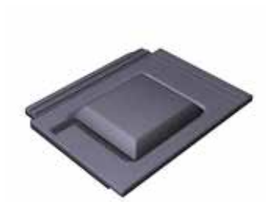
4. Block End
Ball Finial on Fleur-De-Lys8

*(1 - 4) Ornamental Ridge ex stock

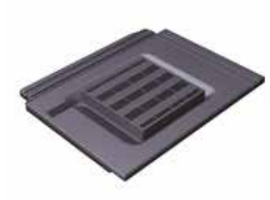
Accessories

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 Jointers)

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)

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

Plain Tile

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.

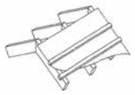
Nails- Ridge unions are fixed to the ridge batten by 110mm Ring shanked nails with neoprene washers.

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

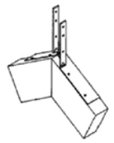
Profile fillers- To be used with our Loch Erne Range. Provides a firm seating for the Ridge tiles and a 4mm protection against large insect ingress.

Quinn Dry Roofing Solutions

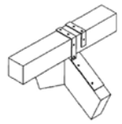
Quinn Ventilated Dry Ridge System



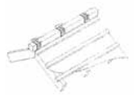
1. Lay the underlay and batten the roof in the normal manner, but do not fix the top tiling battens at this stage. Ensure that the top courses of underlay are cut to finish 30mm short of the ridge apex.



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.



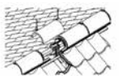
3. Select a ridge batten of the correct size to suit the roof pitch and the type of roof tile being used and position between the upturned sections of the straps. Bend the straps over the ridge batten and secure with clout head nails.



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 screwnail 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

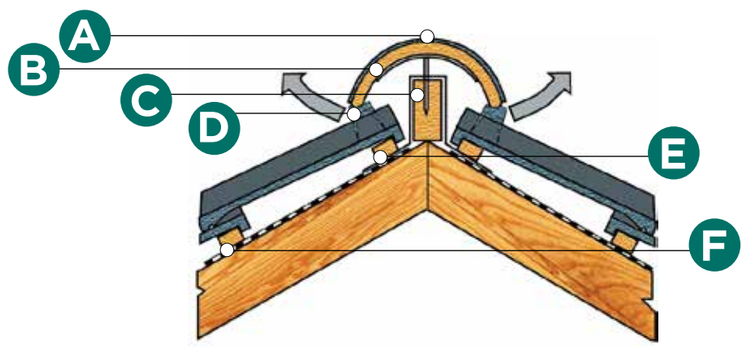


DIAGRAM KEY	
A	110mm Screw nail with stainless steel plate & washer
B	Half Round Ridge Union
C	Ridge Batten
D	Profile Filler
E	Ridge Batten Strap
F	Approved Underlay set back 30mm from Apex

Quinn Ventilated Dry Ridge System with angle ridge and flat tiles

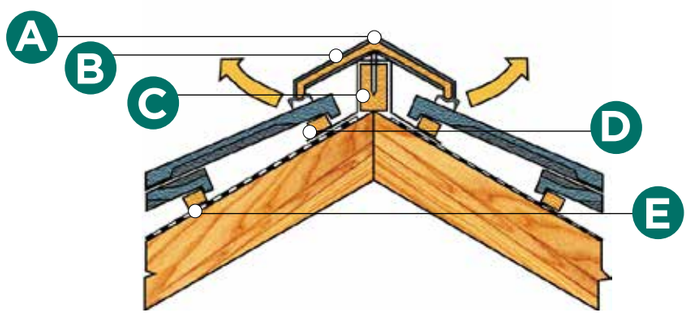
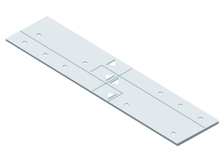


DIAGRAM KEY	
A	110mm screw nail with stainless steel plate & washer
B	Universal Angle Ridge Union
C	Ridge batten ventilation unit ridge batten strap
D	Approved underlay set back 30mm from apex

COMPONENTS

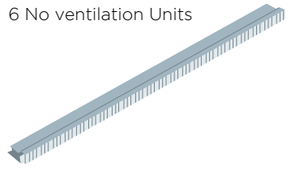
Each pack contains sufficient components to fix 6 ridge tiles.



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. 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.

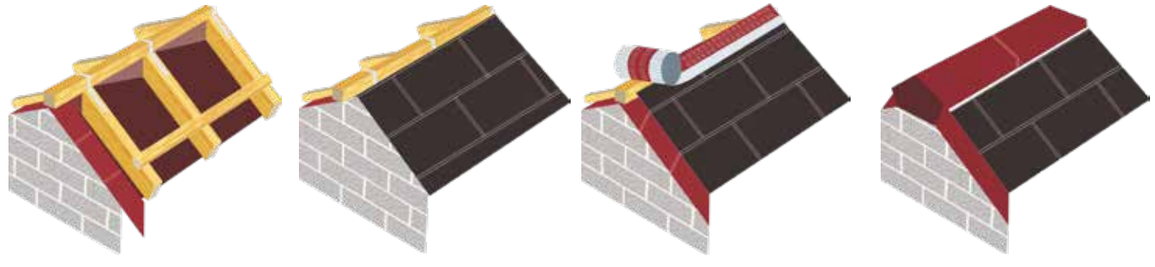
1. Lay the underlay and batten the roof in the normal manner, but do not fix the top tiling batten at this stage. Ensure that the top batten is as close to the ridge batten as the tile nibs will allow. Install a ridge batten, using a combination of tiling battens to achieve the correct height.

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

Product Information

MANUFACTURE

Quinn concrete roofing tiles are manufactured by an extrusion process using pigmented concrete, followed by a period of controlled curing, and finally the cured tile is coated with a specialized paint. .

CERTIFICATION

Quinn concrete roofing tiles are manufactured to BS EN 490 – Concrete roofing tiles and fittings – Product Specifications. The sales and manufacturing process operate to a Quality Management System in accordance with BS EN ISO 9001 and hold a Kitemark License No: KM 31833. The Kitemark is recognized worldwide as a product and service quality mark from BSI.

All Quinn concrete roofing tile products are CE marked and the relevant Declaration of Performance can be viewed at: www.quinn-buildingproducts.com

Quinn Rooftiles also operate an Environmental Management System in accordance with BS EN 14001 and hold certificate No: EMS 552208.

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SURFACE CHARACTERISTICS

Whilst every effort is made to produce a consistent product in every aspect, due to the nature of the product, and as a consequence of the manufacturing & handling processes the following surface characteristics may occur. It is fully recognised both within the industry and the product standard, BS EN 490, that these will not affect the performance of the tiles.

SCRATCHES & ABRASIONS:

These can be caused by packing, loading, transport and handling on site: these are surface marks that will not affect the overall quality of the tile and will become less apparent with natural weathering, see Annex A, BS EN 490

EFFLORESCENCE:

This is a surface phenomenon associated with natural concrete products and influenced by weather conditions. The hydrated lime (calcium hydroxide) in the cement reacts with carbon dioxide in the atmosphere to produce insoluble calcium carbonate, which is deposited as efflorescence. The chemical process of carbonation continues and will eventually form soluble calcium bicarbonate. Normal weathering will wash the bicarbonate away. The degree of efflorescence is relative to lime content and local weather conditions

SURFACE COATING:

In common with most manufacturers Quinn concrete roofing tiles are surface treated with an specialised coating. The primary function of this is to protect the tile during the early, critical stages of its lifespan. It is recognised in the roofing industry that the surface coating of a concrete tile is temporary, lasting only for a few years; long enough to give that protection to the early life of the product. The performance of the roof tile is not affected by any of the above conditions and the quality requirements of the tile remain intact, see Annex A, BS EN 490. The majority of the colour's available, with the exception of black, are pigmented throughout. Black coated tiles, however, are not thrutone and 'coated only'. The colour of the black tile depends on the coating and as the coating is temporary, periodic re-coating is required to maintain the original colour. None of the other quality requirements are compromised.

MOSSES & LICHENS:

Mosses and lichen tend to grow on roofs located in the vicinity of trees, or in shady damp conditions. North facing slopes remain damper longer and attract moss and lichen growth more so than roof slopes which dry out quicker. Neither the material content nor the production process cause lichen growth or moss formation.

Distribution & Services

We offer an extensive and efficient delivery service to all parts of Ireland. Our modern fleet of rigdet and articulated lorries mean we can 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.

QUINN BUILDING PRODUCTS

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SALES

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Build it better with Quinn

June 18