ROOFING & VENTILATION
PRODUCT GUIDE

SEPTEMBER 2022

www.hambleside-danelaw.co.uk
+44(0)1327 701 910

Danelaw®

ABOUT DANELAW

Hambleside Danelaw is the UK market leader for its flashing, ventilation and roofing accessories. These comprehensive ranges cover everything needed on your roof from dry fix valley troughs to tile roof vents.

With over 45 years' experience in the construction industry, we have unrivalled expertise when it comes to the development, manufacturing and distribution of our products.

We produce all of our products in our state of the art manufacturing facilities, here in the UK.

The environment is important to us and we are always striving to be an environmentally responsible manufacturer, working to reduce production waste and our carbon footprint through product innovation and sophisticated manufacturing processes.

Today all our products are manufactured to BS EN ISO 9001 and ISO 14001 Environmental Standards, whilst operating to BS ISO 45001 Occupational Health and Safety Management.

ACCREDITATIONS & CERTIFICATIONS

CONTENTS

Where shown, products contains recycled material

More information

For more information and to find out what we can do to support your technical needs, please contact our team:

Field Technical Support
Paul Lambert
paul.lambert@hambleside-danelaw.co.uk
07712 526257

Sales Support
sales@hambleside-danelaw.co.uk
01327 701910

Technical Support
techelp@hambleside-danelaw.co.uk

Where to find everything

For more information on our product range and our policies or us as a company, please visit our website:

www.hambleside-danelaw.co.uk

For marketing queries, please contact:
marketing@hambleside-danelaw.co.uk

Hambleside Danelaw reserve the right to amend specifications without prior notice. Full Terms and Conditions of Sale are available upon request.

15 YEAR GUARANTEE

InVerg®

InVerg® Plain Tile Interlocking Dry Verge System

The InVerg® Dry Verge System for plain tiles has been manufactured to prevent weather ingress and avoid reliance on mortar at the roof edge. Compatible with most machine-made single and double cambered concrete and clay plain tile types. Suitable for use on new build or refurbishment.

- Unique patented design to offer improved weather and wind resistance without reliance on mortar, Patent No: 2586153
- Excellent kerbside appeal, specifically designed to retain the effect a traditional plain tile verge finish
- Unique top edge profile maintains the stepped tile course appearance
- Complies with BS 8612
- Suitable for batten gauges from 88mm to 104mm

Product code	Product name	Colours
HD INVERG	Verge unit (left or right hand)	Black, Slate Grey, Dark Brown, Antique Red, Terracotta
HD IPTDV/HR	Half-round ridge end cap	Black, Slate Grey, Dark Brown, Antique Red, Terracotta
HD IPTDV/AR	Angle ridge end cap	Black, Slate Grey, Dark Brown, Antique Red, Terracotta
HD INVERG/EB	Eaves Bracket	Galvanised steel
HD IDV/BC	Batten End Clip	Galvanised steel

MidVerg20

MidVerg20® Interlocking Dry Verge System

The MidVerg20® Dry Verge System is compatible with all flat intermediate gauge-lap interlocking tile types and suitable for use on new build or refurbishment.

- Designed to minimise water run-off staining on the verge and gable wall
- Suits all single lap interlocking plain tiles between 200mm and 260mm batten gauges
- Dry fix products eliminate the mortar installation and maintenance issues
- Starter unit designed to avoid gutter interference and slotted for ease of adjustment
- Complies with BS 8612

Product code	Product name	Colours
HD MV20	Verge unit (left or right hand)	Black, Slate Grey, Dark Brown, Antique Red, Terracotta
HD IPTDV/HR	Half-round ridge end cap	Black, Slate Grey, Dark Brown, Antique Red, Terracotta
HD IPTDV/AR	Angle ridge end cap	Black, Slate Grey, Dark Brown, Antique Red, Terracotta
HD IPTDV/ST	Starter unit	Black only
HD IDV/BC	Batten end clip	Galvanised steel

TV10/11 Interlocking Plain Tile Vent

TV10/11 Interlocking Plain Tile Vent is a very discreet universal tile ventilator designed to replace one interlocking double plain concrete tile to complete an uninterrupted roofscape.

Features & Benefits

- Roof space ventilation to avoid damage and decay caused by condensation
- No batten cutting necessary
- Simple to install
- Acid rain resistant and UV stabilised
- Optional adaptor for pipe connection

Application

- Suitable for concrete interlocking plain tiles at a roof pitch of 22.5° minimum
- High or low level roof space ventilation
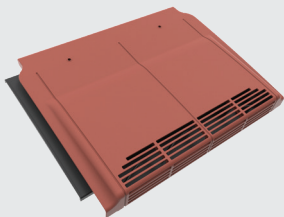- Soil ventilation and mechanical extraction

Technical information

- Provides compliance with BS 5250 and BS 5534
- Ventilation airflow area 8500mm²

Material & Dimensions

Polypropylene, 343 x 265mm

Product Codes & Colours

Antique Red	HD TV10/11AR
Brown	HD TV10/11BR
Slate Grey	HD TV10/11SG

# THE UNIQUE MONO RIDGE SYSTEM

HD MONO6+

MONO6+ is a universal ventilated dry fix ridge system that can be used with all commonly available mono ridge tile types. MONO6+ can be fitted to all roof pitches* with no special tools required. The unique MONO Uni-Ridge Gasket adds flexibility and allows compatibility with most mono ridge tile profiles.

MONO6+ Dry Fix Ridge System

- Unique flexible and trimmable patented gasket features weatherproof, continuous integrated water channels and self-sealing detail for the stainless steel fixing screws
- Broader corrugations of the roll membrane edge compliments a variety of ridge tile designs and different roof pitches
- Wider butyl strip provides improved and secure adhesion

- Stainless steel batten straps included
- Dry fix products eliminate mortar installation and maintenance issues
- Provides compliance with BS 5250 and BS 5534
- Minimum 5,000mm² airflow area per linear metre installed (actual 5,850mm²)
- Suitable for warm and cold roof applications
- Complies with BS 8612

MONO6+ Pack comprises of:

- 1 x 6m Ridge Roll
- 13 x Mono Uni-Ridge Gasket
- 13 x Fixing Plates
- 13 x 100mm Stainless Steel Screws
- 10 x Stainless Steel Ridge Straps
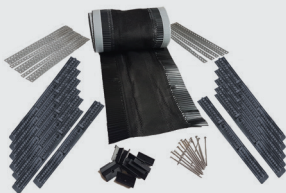
Component	Material specification
Ridge Fixing Plate	High impact polyamide
MONO Uni-Ridge Gasket	LDPE
Ridge Batten Strap	Stainless Steel
Ridge Screw	Stainless Steel
Rollflex Ridge Roll	Polypropylene fabric with corrugated aluminium edges

*Subject to being used in conjunction with ridge tiles suitable for that pitch
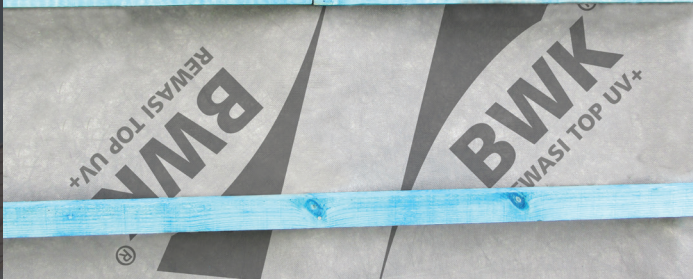
VAPOUR PERMEABLE ROOF TILE UNDERLAY

Rewasi Top UV+ Underlay

Rewasi Top UV+ has been developed as a Low Resistance vapour permeable roof tile and slate underlay. It is intended for use on pitched roofs as a secondary barrier installed beneath tiles and slates. It can be used unsupported draped over timber rafters or counter battens, or fully supported over timber sarking or rigid insulation.

Features & Benefits

- BBA Approved
- Second generation patented technology
- Unique Linopore® functional film
- Improved resistance to ageing
- Superior strength to weight ratio
- Classified as Low Resistance to BS 5250
- Durable and resistant to damage
- Temporary weather protection
- Airtight for improved energy efficiency
- Superior wind uplift performance
- Improved wet and dry slip resistance for safety
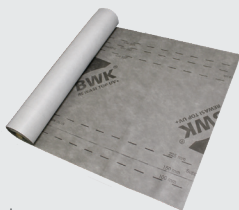
Standards & Certiifcation

- Complies with the requirements BS 5534 Slating & Tiling for pitched roofs and vertical cladding. Code of practice.
- Complies with the ventilation requirements in BS 5250 Standard & NHBC Standards Chapter 7.2
- CE marked in accordance with BS EN 13859-1

Product Codes and Sizes

- DLR -BWK 1.0 – 1.0m x 50m

FEATURED PRODUCTS

FAST FLASH

Fast Flash® is a premium quality lead-free flashing that is simple to install on multiple applications and common roof coverings. No specialist tools are required, Fast Flash® is easily workable by hand.

Backed with a 10 year guarantee, it can be installed on roofs with a slope of a minimum 5° pitch. The guarantee can be extended to 20 years with the application of Flash Seal.
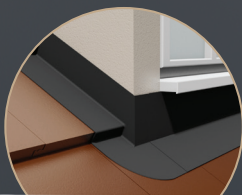
Fast Flash®
### Environmentally friendly lead alternative

- Faster and lighter to install than lead
- No scrap value
- Minimal waste & no gluing required
- Can be cut to any size for any difficult areas
- Reusable off-cuts
- 30 minutes to strong bond
- Fully adhesive backing
- No staining or contaminated run-off

Length	5,000mm
Widths	140 (x2 rolls)/280/ 370/560mm
Made from	Aluminium grid & polymer rubber composite
Available in	Traffic Grey, Black, Tile red

HD CON6

CON6+ an adaptable dry fix design to fit all commonly available ridge, tile and slate types.

Our unique, patented gasket features weatherproof, continuous integrated water channels and self-sealing detail for the 100mm stainless steel fixing screws, giving improved long term reliability and eliminating the need for additional sealing washers.
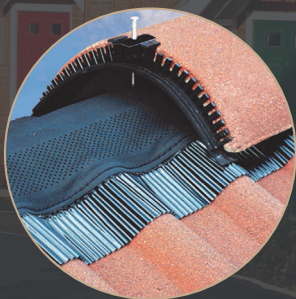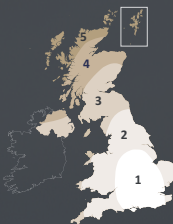
CON6+
Dry Fix Ventilated Ridge and Hip System

CON6+ Pack comprises:
- 1 x 6m Ridge and Hip Roll
- 13 x Uni-Ridge Gaskets
- 13 x Fixing Plates
- 13 x Stainless Steel Screws
- 10 Stainless Steel Ridge Straps

Complies with requirements of BS 5534, BS 5250 and BS 8612

Airflow/metre	11,700mm^2
Length	6,000mm

Also available as 6m pack to suit clay and baby ridge tiles; CLAY6+ and for mono ridge applications; MONO6+. Please refer to page 20.

Danelaw®
DLR150
DLR180

BBA APPROVAL INSPECTION TESTING CERTIFICATION CERTIFICATE 17/5426

BBA APPROVAL INSPECTION TESTING CERTIFICATION CERTIFICATE No 17/5426

All products can be used draped unsupported over timber rafters and counter battens, or fully supported on timber sarking or rigid insulation.

Vapour Permeable Roof Underlays
For Tile and Slates

Wind Zones	1	2	3	4	5
Danelaw LR150					
Batten Gauge ≤ 345mm		✓	✓	✓	✓*	✓*
Batten Gauge ≤ 250mm		✓	✓	✓	✓	✓
Danelaw LR180					
Batten Gauge ≤ 345mm		✓	✓	✓	✓	✓*
Batten Gauge ≤ 250mm		✓	✓	✓	✓	✓

* When used with separate lap tape.

Danelaw LR150 and LR180 have been developed for use as a Low Resistance (vapour permeable) roof tile and slate underlay for use on pitched roofs as a secondary barrier to prevent the ingress of wind driven rain, snow and dust.

- Supported and unsupported applications
- Compliance with requirements of BS 5534 and BS 5250
- UV Resistant
- Lightweight and cost-effective
- High strength to weight ratio
- Cold and warm roof applications

Technical Data	Performance	
Product	LR150	LR180
Weight	150gsm	180gsm
Roll length	50m	50m
Roll width	1.0/1.5m	1.0/1.5m
Resistance to water penetration EN 1928 method A [class]	W1	W1
Water vapour transmission properties EN ISO 12572 [sd(m)]	0.020	0.020
Resistance to penetration of air EN 12114 [m3/(m² x h x 50 Pa]	≤0.04	≤0.02
Tensile strength longitudinal / transverse EN 1-12311 [N/50mm]	350 / 210	460 / 250
Elongation strength longitudinal/ transverse EN 12311-1 [%]	60 / 75	75 / 90
Resistance to tearing longitudinal / transverse 1-12310 [N]	150 / 160	170 / 215
Reaction to Fire [class]	E	E

Please refer to **pages 30-33** for all our Roof Tile Underlays product range.

ROOF FLASHINGS, JOINTINGS & ABUTMENTS

Danelaw® flashings come in many types and styles, but are generally strip products used at details that form a junction between construction elements to make them weather-tight.

Danelaw has a wide range of roofing products manufactured from glass reinforced polyester (GRP), making them superior to plastic and an ideal lead replacement solution. The market leading range includes the original Dry Fix Valley Troughs, Bonding Gutters®, Continuous Soakers and Continuous Slate Verges. Tried and tested alongside our innovative Individual Soakers for tiles and slates.

All abutment flashings or secret gutters are designed to prevent rainwater from penetrating between the wall and the roof covering. These can take the form of Danelaw's Conti-Soakers for slates and tiles, or range of individual soakers for use in combination with the rigid universal abutment cover flashing or the extremely versatile flexible fully adhesive backed Fast Flash®.

Features and Benefits:

- Less than half the cost and time of traditional lead installation
- Light in weight and easy to handle
- No requirement for counter battens and special eaves closure pieces
- UV resistant
- Dry fix products eliminate mortar installation and maintenance issues
- No harmful run-off or staining
- Reduced theft risk

THE ORIGINAL SINCE 1997

BBA APPROVAL INSPECTION TESTING CERTIFICATION CERTIFICATE No 87/1915

30 YEAR GUARANTEE

FOR FULL TILE COMPATIBILITY PLEASE REFER TO PAGES 43-44

Dry Fix Valley Trough — HDL DVT/1 / HDL DVT/2

Suitable for profiled tile roofs.
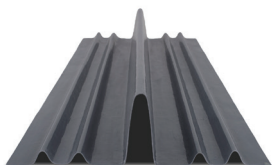
Length	HDL DVT/1	3,000mm
	HDL DVT/2	2,400mm
Central Upstand		105mm
Width		360mm
Made from		GRP
Available in		Anthracite

Dry Fix Valley Trough — HDL DVLPT/1 / HDL DVLPT/2

Suitable for flat and plain tile roofs.
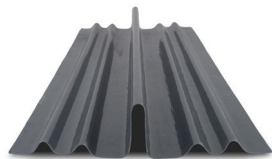
Length	HDL DVLPT/1	3,000mm
	HDL DVLPT/2	2,400mm
Central Upstand		80mm
Width		360mm
Made from		GRP
Available in		Anthracite

Dry Fix Valley Trough — HDL DVS/1 / HDL DVS/2

Suitable for slate roofs.

Length	HDL DVS/1	3,000mm
	HDL DVS/2	2,400mm
Central Upstand		55mm
Width		360mm
Made from		GRP
Available in		Anthracite

Over Batten Dry Valley Trough   HDL OBDVT1
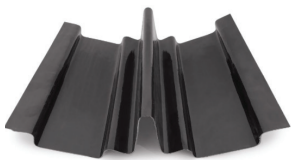
Over batten installation, suitable for profiled tile roofs.

Length	3,000mm
Central Upstand	110mm
Width	400mm
Made from	GRP
Available in	Anthracite

Over Batten Dry Valley Trough   HDL OBDVLPT1
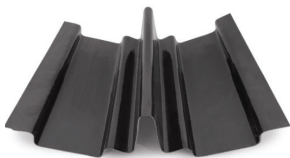
Over batten installation, suitable for plain tile, clay, concrete or slate

Length	3,000mm
Central Upstand	70mm
Width	400mm
Made from	GRP
Available in	Anthracite

Dry Valley Clip   HDL DVC

A stainless steel clip to be used for clipping together smaller cuts of interlocking tiles. This support should only be required on the left side of the valley where no support is available from the tile interlock. Suitable for all Dry Fix Valley Trough types and Dry Fix Hip systems.

Tile Support Bridge   HDL DVBP

In the case of interlocking single lap tiles, where small cuts of tiles occur, the smaller cut section may need supporting using a support bridge. For use with HDL DVT and DVLPT
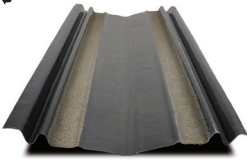
BBA APPROVAL INSPECTION TESTING CERTIFICATION CERTIFICATE No.87/1915

30 YEAR GUARANTEE

FOR FULL TILE COMPATIBILITY PLEASE REFER TO PAGES 43-44

Open Valley Trough — HDL 361 / HDL 362

Recycled Glass

Suitable for tile roofs.
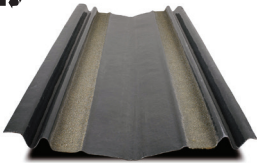For 'narrow' application compliant with NFRC Technical Bulletin 28.

Length	HDL 361 3,000mm
	HDL 362 2,400mm
Width	380mm
Made from	GRP
Available in	Anthracite

Open Valley Trough — HDL 401 / HDL 402

Recycled Glass

Suitable for tile roofs.
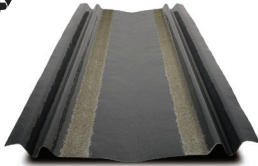For 'standard' application compliant with NFRC Technical Bulletin 28.

|	
Length	HDL 401 3,000mm
	HDL 402 2,400mm
Width	410mm
Made from	GRP
Available in	Anthracite

Open Valley Trough — HDL RP3 / HDL RP4

Recycled Glass

Suitable for tile roofs.
Without mortar retention bar.
For 'narrow' application compliant with NFRC Technical Bulletin 28.

Length	HDL RP3 3,000mm
	HDL RP4 2,400mm
Width	380mm
Made from	GRP
Available in	Anthracite

Open Valley Troughs — HDL SVT / HDL SVTU
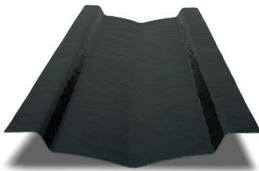
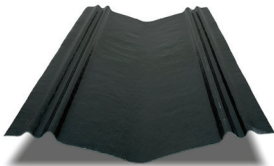Suitable for slate roofs.
HDL SVT for 'narrow' application and HDL SVTU for 'standard' application compliant with NFRC Technical Bulletin 28.

Length	3,000mm
Width	HDL SVT 330mm
	HDL SVTU 360mm
Made from	GRP
Available in	Anthracite

Open Valley Trough — HDL SSVT

Suitable for Scottish slate roof fixed directly to sark boards.

Length	3,000mm
Width	360mm
Made from	GRP
Available in	Anthracite

ROOF JOINTING
BONDING GUTTERS®

Features and Benefits:
• The flat and narrow profiles minimise the disturbance to adjoining roof
• Robust weather protection design with twin water bars on each side
• Dry fix products eliminate mortar installation and maintenance issues
• Less than half the cost and time of traditional lead
• Light in weight and easy to handle
• UV resistant
• No harmful run-off or staining
• Reduced theft risk

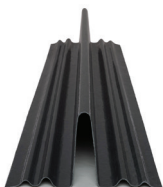## Dry Fix BONDING GUTTER® — HDL DBG1

For slates, flat and plain tile roofs.

Length	3,000mm
Height	70mm
Width	210mm
Made from	GRP
Available in	Anthracite

Dry Fix BONDING GUTTER® — HDL DBG2

For profiled tile roofs, or where there may be a greater difference in height of the roof coverings on either side.

Length	3,000mm
Height	100mm
Width	210mm
Made from	GRP
Available in	Anthracite

BONDING GUTTER® — HDL BG

Recycled Glass
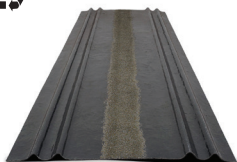
Suitable for all slate and tile mortar bedding applications.

Length	3,000mm
Width	225mm
Made from	GRP
Available in	Anthracite

Features and Benefits:
- Quick and simple to install
- UV and acid rain resistant
- Lead alternative
- Reduced theft risk
- Creates no harmful run-off into water courses
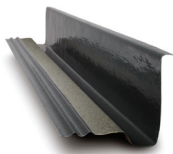- Mortar bonding strip for tile roof application

BBA
APPROVAL
INSPECTION
TESTING
CERTIFICATION
CERTIFICATE No 87/1815

30
★ Y E A R ★
GUARANTEE
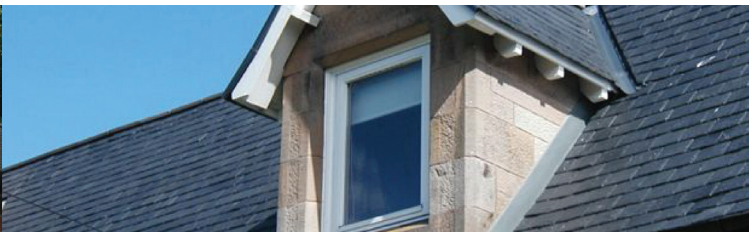
Conti-Soaker   HDL CST

Recycled Glass

Suitable for tile roofs.
Lipped (H 150mm) and unlipped (H 140mm) options. For mortared tile use.

Length	3,000mm
Height	140/150mm
Width	170mm
Made from	GRP
Available in	Anthracite

Conti-Soaker   HDL CSS
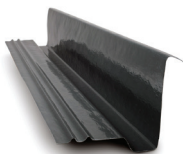
Suitable for slate roofs.
Lipped (H 150mm) and unlipped (H 140mm) options. For slates or dry laid tiles.

Length	3,000mm
Height	140/150mm
Width	170mm
Made from	GRP
Available in	Anthracite

Conti-Soaker   HDL SCSS
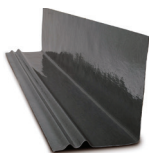
Specifically designed for use on Scottish slate roofs.
Fixed directly to sark boards.

Length	3,000mm
Height	200mm
Width	160mm
Made from	GRP
Available in	Anthracite

ROOF ABUTMENTS
INDIVIDUAL SOAKERS

Features and Benefits:
• Quick and simple to install
• UV and acid rain resistant
• Lead alternative
• Reduced theft risk
• Creates no harmful run-off into water courses
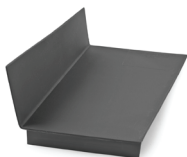• All tile soakers available in both left and right options

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★ YEAR ★
GUARANTEE

FOR FULL TILE COMPATIBILITY PLEASE REFER TO PAGE 45

Individual Soaker — HD MDS

♻ *

Suitable for flat concrete tile roofs.

Length	430mm
Height	75mm
Width	185mm
Made from	Polypropylene
Available in	Grey

Individual Soaker — HD RRS

♻ *

Suitable for Redland Richmond tiles (original).
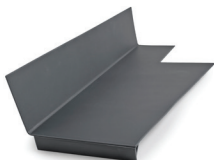
Length	430mm
Height	75mm
Width	180mm
Made from	Polypropylene
Available in	Grey

Individual Soaker — HD RTS

♻ *

Suitable for thin leading edge concrete tile roofs.

Length	410mm
Height	75mm
Width	175mm
Made from	Polypropylene
Available in	Grey

♻ * 100% recycled grey PPC
♻ ** Up to 50% recycled PPC

Individual Soaker — HD SRRS
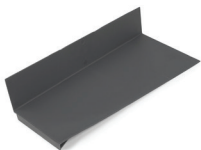
*

Suitable for thin leading edge concrete tile roofs.

Length	430mm
Height	75mm
Width	180mm
Made from	Polypropylene
Available in	Grey

Individual Soaker — HD PCS

* *

Suitable for plain clay and concrete tile roofs.

Length	185mm
Height	75mm
Width	100mm
Made from	Polypropylene
Available in	Black

Individual Soaker — HD DTS

* *

Suitable for interlocking plain tile roofs.

Length	240mm
Height	105mm
Width	145mm
Made from	Polypropylene
Available in	Black

Individual Soaker — HD RCS

* *

Suitable for interlocking slate roofs.

Length	280mm
Height	105mm
Width	155mm
Made from	Polypropylene
Available in	Black

Individual Soaker — HD SS500 / HD SS600

* *

Suitable for 600 x 300mm or 500 x 250mm slate roofs.

Length	HD SS500	300mm
	HD SS600	380mm
Height		85mm
Width		100mm
Made from		Polypropylene
Available in		Black

* 100% recycled grey PPC
* * Up to 50% recycled PPC

Universal Abutment Cover Flashing | HDL UACF
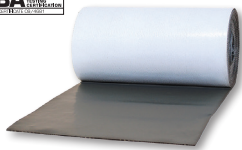
A cost effective alternative to lead for all roof abutments. Easily trimmed to fit directly onto brick, render or stepped applications.

30 YEAR GUARANTEE

Length	3,000mm
Height	150mm
Width	45mm
Made from	GRP
Available in	Anthracite

Fast Flash®

| FastFlash 140	FastFlash 370
FastFlash 280	FastFlash 560

Fast Flash® is a premium quality lead-free flashing that is simple to install on multiple applications and common roof coverings. No specialist tools are required, Fast Flash® is easily workable by hand.

Backed with a 10 year guarantee, it can be installed on roofs with a slope of a minimum 5° pitch. The guarantee can be extended to 20 years with the application of Flash Seal.

- Faster and lighter to install than lead
- No scrap value
- Minimal waste & no gluing required
- Can be cut to any size for any difficult areas
- Reusable off-cuts
- 30 minutes to strong bond
- Fully adhesive backing
- No staining or contaminated run-off

Length	5,000mm
Widths	140 (x2 rolls)/280/ 370/560mm
Made from	Aluminium grid & polymer rubber composite
Available in	Traffic Grey, Black, Tile Red
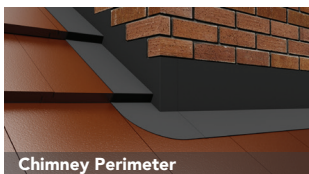
Chimney Perimeter

Dormer Window
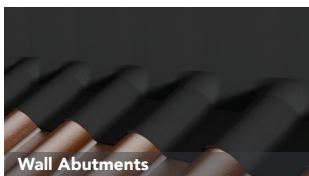
Wall Abutments

Valley Details

Roof Windows
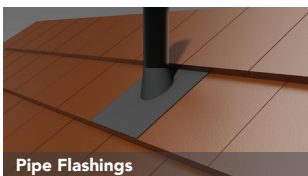
Pipe Flashings

ROOF VENTILATION

Danelaw® offers a wide range of roofing products to suit different applications and construction details, from new build to refurbishment.

When upgrading roof space insulation, it is important to consider the effect on the roof and ensure that adequate levels of ventilation are provided or maintained to avoid damage and decay caused by the increased risk of condensation.

CON6+ Dry Fix Ridge and Hip System **HD CON6 HD CON3**

Dry fix ventilated ridge and hip system that can be used with all the commonly available ridge and hip tile types. It can be fitted to all roof pitches*.

CON6+ Pack comprises of:
- 1 x 6m Ridge and Hip Roll
- ♻ 13 x Uni-Ridge Gasket
- ♻ 13 x Fixing Plates
- 13 x Stainless Steel Screws
- 10 x Stainless Steel Ridge Straps

Airflow/metre	11,700mm^2
Length	3,000/6,000mm

CON3+ Pack comprises of:
- 1 x 3m Ridge and Hip Roll
- ♻ 6 x Uni-Ridge Gasket
- ♻ 6 x Fixing Plates
- 6 x Stainless Steel Screws
- 6 x Stainless Steel Ridge Straps

MONO6+ Dry Fix Ridge System **HD MONO6+**

MONO6+ is a universal ventilated dry fix ridge system that can be used with all commonly available mono ridge tile types. It can be fitted to all roof pitches* with no special tools required. The unique universal jointing gasket adds flexibility and allows compatibility with most mono ridge tile profiles.

MONO6+ Pack comprises of:
- 1 x 6m Ridge Roll
- ♻ 13 x Mono Uni-Ridge Gasket*
- ♻ 13 x Fixing Plates**
- 13 x 100mm Stainless Steel Screws
- 10 x Stainless Steel Ridge Straps

Airflow/metre	5,850mm^2
Length	6,000mm

CLAY6+ Dry Fix Ridge and Hip System **HD CLAY6+**

CLAY6+ is a universal ventilated dry fix ridge and hip system that can be used with all the commonly available clay and baby ridge tiles. CLAY6+ can be fitted to all roof pitches* with no special tools required. The single unique universal jointing gasket adds flexibility and allows compatibility with the most commonly available ridge and hip tile profiles, including baby ridges.

CLAY6+ Pack comprises of:
- 1 x 6m Ridge and Hip Roll
- ♻ 20 x Uni-Ridge Gasket*
- ♻ 20 x Fixing Plates**
- 20 x Stainless Steel Screws
- 10 x Stainless Steel Ridge Straps

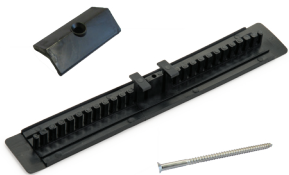|	
Airflow/metre	11,700mm^2
Length	6,000mm

PATENT NO FOR GASKETS: UK: GB2420571B; IRELAND: 85015

* Subject to being used in conjunction with ridge tiles suitable for that pitch

♻ * Fixing Plates contain up to 30% recycled impact modified PA 6.6 ** Gaskets contain up to 30% recycled LDPE

Supplementary Ridge Tile Fixing — DFRK/1X

The ridge and hip tile fixing kit provides additional screws, plates and Uni-Ridge Gaskets to supplement those provided in the standard CON6+, CON3+ and CLAY6+ dry fix ventilated ridge and hip kits. This may be required where ridge and hip tiles being cut increases the number of fixing required, or to be used in conjunction with the shorter clay ridge and hip tiles or baby ridge tiles when using CON6+.

Kit Contents:
- 60 x Uni-Ridge Gaskets
- 60 x 100mm stainless steel screws
- 60 x Ridge fixing plates

## Ridge and Hip End Fixing Kit — LK/3X

This ridge and hip tile fixing kit provides additional screws and plates for the CON6+, CON3+ and CLAY6+ dry fix ventilated ridge and hip kits where drilling and fixing of end ridge and hip tiles is required, or where the use of the Uni-Ridge Gasket or other tile jointer types cannot be used.

Kit Contents:
- 50 x 100mm stainless steel screws
- 50 x Ridge fixing plates

Mortar Bedded Fixing Kit — LK/4X
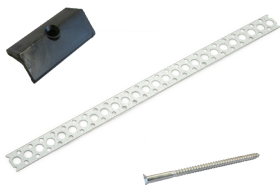
Where the traditional appearance of mortar bedded ridge and hip tiles are required, this kit provides screws and plates together with ridge batten straps all tested to BS 8612 requirements to provide mechanical fixing to ridge and hip tiles to comply with the fixing requirements of NHBC and BS 5534.

Kit Contents:
- 38 x Stainless steel ridge batten straps
- 50 x 100mm stainless steel screws
- 50 x Ridge fixing plates

Supplementary Mono Ridge Tile Fixing Kit — MONO DFRK/1X

This fixing kit provides additional screw plates and Mono Uni-Ridge Gaskets to supplement those provided in the standard Mono6+ Dry Fix ventilated Mono Ridge Kit.

Kit Contents:
- 60 x Mono Uni-Ridge Gasket
- 60 x 100mm stainless steel screws
- 60 x ridge fixing plates.

ROOF VENTILATION
TILE VENTS

Features and Benefits:
- Roof space ventilation to avoid damage and decay caused by condensation
- Simple to install
- Acid rain resistant and UV stabilised
- Optional adaptor for extractor and soil pipe connection
- Can be used as high or low level roof space ventilation

20 YEAR GUARANTEE

FOR FULL TILE COMPATIBILITY PLEASE REFER TO PAGE 47

Tile Vent — HD TV15/1

Minimum rafter pitch 17.5°.

Airflow area	15,000mm^2
Made from	Polypropylene
Available in	Antique Red, Black, Brown, Grey, Terracotta

Tile Vent — HD TV15/2

Minimum rafter pitch 17.5°.

Airflow area	15,000mm^2
Made from	Polypropylene
Available in	Antique Red, Black, Brown, Grey, Terracotta

Tile Vent — HD TV15/3

Minimum rafter pitch 17.5°.

Airflow area	15,000mm^2
Made from	Polypropylene
Available in	Antique Red, Black, Brown, Grey, Terracotta

The back of these tile vents contain up to 70% recycled PPC

Tile Vent — HD TV15/4

Minimum rafter pitch 17.5°.

Airflow area	15,000mm^2
Made from	Polypropylene
Available in	Antique Red, Brown, Grey, Terracotta, (Black to order)

Tile Vent — HD TV15/7

Minimum rafter pitch 17.5°.

Airflow area	15,000mm^2
Made from	Polypropylene
Available in	Antique Red, Brown, Grey, Terracotta, (Black to order)

Tile Vent — HD TV10/6

Minimum rafter pitch 22.5°.

Airflow area	10,000mm^2
Made from	Polypropylene
Available in	Antique Red, Brown, Grey, Terracotta, (Black to order)

Tile Vent — HD TV10/8

Minimum rafter pitch 22.5°.

Airflow area	10,000mm^2
Made from	Polypropylene
Available in	Antique Red, Black, Brown, Grey, Terracotta

Tile Vent — HD TV10/5

Minimum rafter pitch 35°.
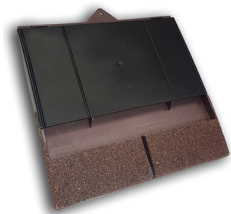Fit 5 per metre to achieve 10,000mm² airflow

Airflow area	2,000mm^2
Made from	Polypropylene
Available in	Antique Red, Brown, Grey, Terracotta, (Black to order)

The back of these tile vents contain up to 70% recycled PPC
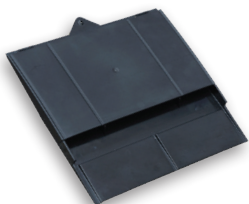
Double Plain Tile Vent — HD TV10/9

A discreet flush fitting vent designed to replace two plain clay or concrete tiles to complete an uninterrupted roofscape.

Minimum rafter pitch 35°.

Airflow/vent	6,100mm^2
Made from	Polycarbonate/ Polypropylene
Available in	Antique Red, Brown, Terracotta, Slate Grey
Granular Finish	Antique Red, Brown, Cotswold

Double Slip Tile Vent — HD TV10/10

A discreet flush fitting tile vent designed to incorporate two small cuts of plain clay or concrete tiles to complete an uninterrupted roofscape.

Minimum rafter pitch 35°.

Airflow/vent	6,100mm^2
Made from	Polycarbonate/ Polypropylene
Available in	Black

Interlocking Plain Tile Vent — HD TV10/11

NEW

Very discreet universal tile ventilator designed to replace one interlocking double plain concrete tile to complete an uninterrupted roofscape.

Minimum rafter pitch 22.5°.

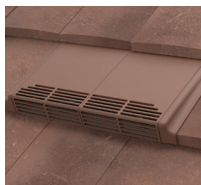|	
Airflow/vent	8,500mm^2
Made from	Polypropylene
Available in	Antique Red Brown & Slate Grey

Double Plain Tile Vent

Double Slip Tile Vent
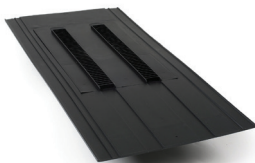
Interlocking Plain Tile Vent

The back of these tile vents contain up to 70% recycled PPC
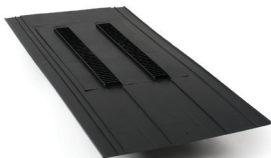
Slate Vent HD ILSRV10/20

Suits 500 x 250mm slates and suitable for soil ventilation or mechanical extraction. Minimum rafter pitch 22° or 25° depending on head lap.

Airflow area	10,000mm^2
Length	565mm
Width	290mm
Made from	Polypropylene
Available in	Black (Grey to order)

Slate Vent HD ILSRV10/24

Suits 600 x 300mm slates and suitable for soil ventilation or mechanical extraction. Minimum rafter pitch 22° or 25° depending on head lap.

Airflow area	10,000mm^2
Length	615mm
Width	300mm
Made from	Polypropylene
Available in	Black (Grey to order)

Universal Slate Vent HD ILSRV10U

Size to suit either; 600 x 300mm, 500 x 250mm and 450 x 230mm slates. Suitable for soil ventilation or mechanical extraction. Minimum rafter pitch 22° or 25° depending on head lap.

Airflow area	10,000mm^2
Length	455mm
Width	400mm
Made from	Polypropylene
Available in	Black (Grey to order)

Both back and front of Slate Vents contain up to 70% recycled PPC

Universal Slate Vent · HD SRV5U

Size to suit either: 600 x 300mm and 500 x 250mm slates when trimmed. Not suitable for soil ventilation or mechanical extraction. Minimum rafter pitch 22° or 25° depending on head lap.

Airflow area	5,000mm^2
Made from	Polypropylene
Available in	Black (Grey to order)

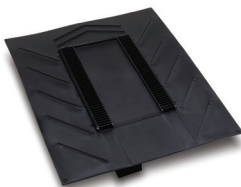## Universal Slate Vent · HD SRV10U
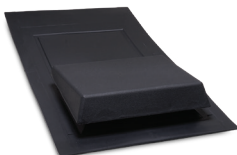
Size to suit either: 600 x 300mm and 500 x 250mm slates when trimmed. Suitable for soil ventilation or mechanical extraction. Minimum rafter pitch 22° or 25° depending on head lap.

Airflow area	10,000mm^2
Made from	Polypropylene
Available in	Black (Grey to order)

Slate Vent · HD SRV10/20
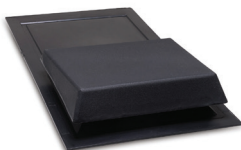
Size to suit 500 x 250mm slates. Suitable for soil ventilation or mechanical extraction. Minimum rafter pitch 22° or 25° depending on head lap.

Airflow area	10,000mm^2
Made from	Polypropylene
Available in	Black

Universal Slate Vent · HD SRV680

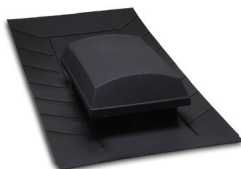Large base for 'random' and diminishing course slate roofs. Can be trimmed to 600 x 300mm base size. Suitable for soil ventilation and mechanical extraction. Minimum rafter pitch 22° or 25° depending on head lap.

Airflow area	20,000mm^2
Length	680mm
Width	450mm
Made from	Polypropylene
Available in	Black

Both back and front of Slate Vents contain up to 70% recycled PPC

Tile Soil Pipe Adaptor Kit — HD TVSPA

Connects standard 110mm pipework to all HD TV/15 series tile roof vents. May be used for soil ventilation or mechanical extraction.

Ventilation Area 8,000mm²

Soil Pipe Adaptor Kit	**TVSPA**
Soil Pipe Adaptor Only	**TVA**

Tile Soil Pipe Adaptor Kit — HD PCSPA

Connects standard 110mm pipework to HD TV10/5 vents in pairs. Suitable for soil ventilation only.

Ventilation Area 4,000mm²

Soil Pipe Adaptor Kit	**PCSPA**
Soil Pipe Adaptor Only	**PCA**

Tile Soil Pipe Adaptor Kit — HD RSPA

Connects standard 110mm pipework to HD TV10/6 and HD TV10/8 vents. May be used for soil ventilation or mechanical extraction. Available only as kit.

Ventilation Area 8,000mm²

Soil Pipe Adaptor Kit	**RSPA**

Tile Soil Pipe Adaptor Kit — HD DPCSPA

Connects Standard 110mm pipework to the HD TV10/9, HD TV10/10 and HD TV10/11 vents. May be used for soil ventilation and mechanical extraction. Adaptor only HD DPCA

Ventilation Area 6,100mm² 8000mm² for TV10/11

Soil Pipe Adaptor Kit	**DPCSPA**
Soil Pipe Adaptor Only	**DPCA**

Slate Soil Pipe Adaptor Kit — HD SPA680

Connects standard 110mm pipework to 20,000mm² vent. May be used for soil ventilation and mechanical extraction with HD SRV680 vent. Available only as kit.

Ventilation Area 8,000mm²

Soil Pipe Adaptor Kit	**SPA680**

Slate Soil Pipe Adaptor — HD ILSPA

Connects standard 110mm pipework to HD ILSRV10/20 & HD ILSRV10/24, including blanking plug. May be used for soil ventilation and mechanical extraction.

Ventilation Area 8,000mm²

Soil Pipe Adaptor Kit	**ILSPA**
Soil Pipe Adaptor Only	**ILA**

Slate Soil Pipe Adaptor Kit — HD ILSPAU

Connects standard 110mm pipework to the 10,000mm² HD ILSRV10U vent. May be used for soil ventilation or mechanical extraction.

Ventilation Area 8,000mm²

Soil Pipe Adaptor Kit	**ILSPAU**
Soil Pipe Adaptor Only	**ILAU**

Soil Pipe Adaptor — HD SPA

Connects standard 110mm pipework to 10,000mm² vent. May be used for soil ventilation and mechanical extraction with HD SRV10U, SRV10/20c

Ventilation Area 8,000mm²

Soil Pipe Adaptor Only	**SPA**

Flexi Pipe Connector Kit — HD FPC

Flexi pipe can be used as an extension to all HDL Soil Pipe Adaptor kits. Suitable for external fit to standard 110mm plastic pipes for soil ventilation and mechanical extraction.

Length 510mm

Flexi Pipe Connector (For Extensions)	**FPC**
Flexi Pipe Connector with Jubilee Clip	**FPC/JC**

Soil pipe adaptors (not the hose) contain up to 50% recycled PPC

Over Fascia Vent — HD 12000M

Airflow/metre	10,000mm^2
Length	1,000mm
Height	19mm
Width	33mm
Made from	Polypropylene
Available in	Black

Universal Over Fascia Vent — HD 12000U

Airflow/metre	25,000mm^2 or 10,000mm^2
Length	1,000mm
Height	36mm
Width	48mm
Made from	Polypropylene
Available in	Black

Soffit Vent — HD 8000

Airflow/metre	10,000mm^2
Length	2,400mm
Height	22mm
Width	51mm
Made from	Polypropylene
Available in	Brown, white

Sloping Soffit Vent — HD 8210

Airflow/metre	10,000mm^2
Length	2,400mm
Height	8mm
Width	56mm
Made from	Polypropylene
Available in	Brown, white

Circular Soffit Vent — HD 7000

Airflow each	2,500mm^2
Height	16mm
Width	80mm
Made from	Polypropylene
Available in	Black, Brown, Light Oak, White

Corbel Vent — HD 8310

Airflow/metre	10,000mm^2
Length	2,400mm
Height	42mm
Width	28mm
Made from	Polypropylene
Available in	Black

Over Facia Vents contain up to 30% recycled PPC

Products to be used above insulation at eaves to maintain ventilating airflow.

Universal Panel Vents — HD 6000/4500/4000

For use when roof pitch is either below or above 15°. Airflow per panel:
• HD 6000 - 16,000mm². To suit 600mm rafter centres
• HD 4500 - 12,000mm². To suit 450mm rafter centres
• HD 4000 - 9,000mm². To suit 400mm rafter centres

Made from/Available in	PVC/Black

Suitable for 10mm and 25mm airflow requirements

Panel Vents — HD 6050/4550/4050

Single row flyscreen. Suitable for pitches >15°. Airflow per panel:
• HD 6050 - 6,843mm². To suit 600mm rafter centres
• HD 4550 - 5,132mm². To suit 450mm rafter centres
• HD 4050 - 4,474mm². To suit 400mm rafter centres

Made from/Available in	PVC/Black

Suitable for 10mm airflow requirements

Panel Vents — HD 6025/4525/4025

Double row flyscreen. For use when roof pitch is either below or above 15°. Airflow per panel:
• HD 6025 - 13,786mm². To suit 600mm rafter centres
• HD 4525 - 10,264mm². To suit 450mm rafter centres
• HD 4025 - 8,948mm². To suit 400mm rafter centres

Made from/Available in	PVC/Black

Suitable for 10mm and 25mm airflow requirements

Universal Refurbishment Tray Vent — HD URT

Specifically designed for retro installation into the eaves to ensure that insulation blockages of ventilating air do not occur. Rafter centres above 450mm are accommodated by joining panels and trimming to suit. Suitable for all airflow area requirements up to 25,000mm²/m

Actual airflow per panel	12,500mm²
Available in	Black

Universal Roll Panel Vent — HD 5000/5600/5800

Variable rafter centre capability, 10mm and 25mm area openings equivalent.
• HD5000 - 310mm depth, airflow 25,000mm²
• HD5600 - 600mm depth, airflow 17,000mm²
• HD5800 - 800mm depth, airflow 17,000mm²

Length	6,000mm
Made from/Available in	PVC/Black

3 in 1 Eaves Ventilation Packs — HD 3025VP/3000VP

Pack components: 3025VP	Pack components: 3000VP
• 1 x 6,000mm: HD 5000	• 1 x 6,000mm: HD 5000
• 10 x 600mm: HD 3000	• 10 x 600mm: HD 3000
• 6 x 1,000mm: HD 12000U*	• 6 x 1,000mm: HD 12000M
Airflow/metre 25,000mm²	Airflow/metre 10,000mm²

Available in	Black

* 25,000 or 10,000mm² fixing positions

ROOF UNDERLAYS

The Danelaw® product range includes a selection of Low Resistance Vapour Permeable tile and slate roofing underlays; available in 4 weights; 120gsm, 135gsm, 150gsm and 180gsm. The 120gsm and 150gsm weights are also available with integral tape options. We now offer a new underlay, Rewasi Top UV+ with Linopore® Technology to our product range, refer to pages 7 and 33 for more information.

They provide an effective solution to protect the building and its occupants from harmful effects of interstitial condensation and external climatic conditions including wind, snow and wind driven rain.

The products have been developed for use in cold and warm pitched roof applications, are suitable for use draped and unsupported, or fully supported on sarking or insulation boards.

Wind Zone Map

NOTE 1: Zone suitability applies only for underlays in applications where a well-sealed ceiling is present, ridge height is not greater than 15m, roof pitch is between 12.5° and 75°, site altitude is not greater than 100m, and no significant site topography is present. Other applications might require underlays with greater wind uplift resistance and it is advisable to seek professional advice.

NOTE 2: Zones 3 and 4 apply to Northern Ireland. Zone 3 applies to the Scilly Isles and Channel Islands. Zone 5 applies to the Shetland Islands.
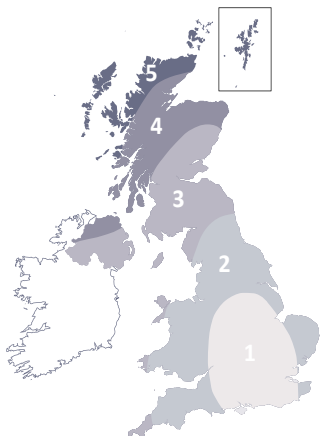
Features and Benefits:
- For use in warm and cold roofs
- Durable and resistant to UV and damage from foot traffic
- Temporary weather protection prior to tile or slate fixing
- Contributes to weather-tightness of a completed roof
- Airtight when sealed for improved energy efficiency
- Can be used unsupported draped over timber rafters or counter battens, or fully supported over timber sarking or rigid insulation
- Reduced condensation risk in the roof space
- Reduced wind loading on the outer roof covering

Tile & Slate Roof Underlay — DLR120

Suitable for wind zones 1 - 3 at 345mm batten gauge and all zones at 250mm batten gauge.

Weight	120gsm
Length	50m
Widths	DLR120 1.0 1.0m
	DLR120 1.5 1.5m
Made from	Polypropylene
Available in	Grey

Tile & Slate Roof Underlay — DLR120TT

Integral double tape system.
Suitable for all wind zones.

Weight	120gsm
Length	50m
Widths	DLR120TT 1.0 1.0m
	DLR120TT 1.5 1.5m
Made from	Polypropylene
Available in	Grey

Tile & Slate Roof Underlay — DLR120T
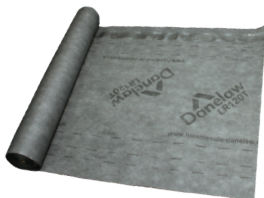
A low resistance breathable roof tile and slate underlay with an integral tape for effectively sealing horizontal overlaps.
Suitable for all wind zones.

Weight	120gsm
Length	50m
Width	DLR120T 1.0 1.0m
	DLR120T 1.5 1.5m
Made from	Polypropylene
Available in	Grey

Tile & Slate Roof Underlay — DLR135

Suitable for wind zones 1 - 2 at 345mm batten gauge and all zones at 250mm batten gauge.

Weight		135gsm
Length		50m
Width	DLR135 1.0	1.0m
	DLR135 1.5	1.5m
Made from		Polypropylene
Available in		Grey

Tile & Slate Roof Underlay — DLR150

Suitable for wind zones 1 - 3 at 345mm batten gauge and all zones at 250mm batten gauge.

Weight		150gsm
Length		50m
Width	DLR150 1.0	1.0m
	DLR150 1.5	1.5m
Made from		Polypropylene
Available in		Grey

Tile & Slate Roof Underlay — DLR150TT

Integral double tape system.
Suitable for all wind zones.

Weight		150gsm
Length		50m
Width	DLR150TT 1.0	1.0m
	DLR150TT 1.5	1.5m
Made from		Polypropylene
Available in		Grey

Contact sales for more information on Danelaw Underlay options

Tile & Slate Roof Underlay   DLR180

Suitable for wind zones 1 - 4 at 345mm batten gauge and all zones at 250mm batten gauge.

Weight	180gsm
Length	50m
Width	DLR180 1.0 1.0m
	DLR180 1.5 1.5m
Made from	Polypropylene
Available in	Black

Tile & Slate Roof Underlay   DLR-BWK 1.0

The Rewasi Top UV+ Underlay is suitable for wind zones 1 - 3 at 345mm batten gauge and all zones at 250mm batten gauge.

Weight	100gsm
Length	50m
Width	1.0m
Made from	Polypropylene
Available in	Grey

WALL CAVITY & UNDERFLOOR VENTILATION

Danelaw® provides a range of through wall, cavity and underfloor ventilation products for many applications to suit design and regulation requirements.

Telescopic Underfloor Vent   HD 9600M

Optional components:
- HD 9600B: Factory fitted vermin screen
- HD 9600CT: Separate cavity tray attachment

When higher level vent aperture than the underfloor void required, 3-5 brick course adjustment.

Airflow area	7,000mm^2
Made from	Polypropylene
Available in	Black

Underfloor Vertical Ext Sleeve   HD 9610/2

Two course vertical extension sleeve for HD 9600M. Can be used in multiples.

Length	205mm
Height	175mm
Width	50mm
Made from	Polypropylene
Available in	Black

Underfloor Horizontal Ext Sleeve   HD 9660T/9660M

To extend the reach for varying cavity and wall leaf widths.

HD 9600T: Top extension sleeve 140mm long for an outer leaf width up to 170mm	HD 9600M: Bottom extension sleeve 155mm long for an inner leaf width up to 215mm
Made from	ABS
Available in	Black

Airbrick   HD 9300

The bricks can be clipped together for 220 x 150mm or 220 x 225mm combinations for double or triple applications.

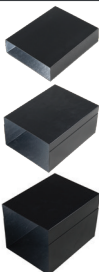|	
Airflow/unit	7,000mm^2
Depth	73mm
Height	60mm
Width	220mm
Made from	Polypropylene
Available in	Black, Brown, Buff, Terracotta.

Square to Round Adaptor   HD 9620

To fit Telescopic Underfloor vent (HD 9600M bottom aperture) and connects to standard 110mm soil or drainage pipe.

Made from	Polypropylene
Available in	Black

Airbrick Vent Sleeve — HD 9350

Semi rigid sleeve to ventilate through standard cavity walls.

Product options:	Additional dimensions:
• HD 9350/1: Single	• Height 61mm
• HD 9350/2: Double	• Height 134mm
• HD 9350/3: Triple	• Height 210mm

Length	280mm
Width	217mm
Made from	Polypropylene
Available in	Black

Universal Weep Vent — HD 9500

For use in conjunction with cavity trays and lintels, provides for ventilation and moisture escape. Suitable for traditional and timber frame build.

Airflow/vent	260mm^2
Length	100mm
Height	68mm
Made from	Polypropylene
Available in	Black, Brown, Buff, Grey, Terracotta, Translucent, White

Perp Weep — HD 9100

To allow release of moisture above lintels and cavity trays.

Length	100mm
Height	70mm
Made from	Polypropylene
Available in	Buff, Terracotta, Translucent

Perp Weep Extension — HD 9200

To clip to Perp Weep singularly or in multiples for increased outer leaf thickness.

Length	30mm
Height	70mm
Made from	Polypropylene
Available in	Translucent

Lintel Stop End — HD 9800

Adjustable angle stop end complete with integral bonding strip for use with most popular steel lintels to prevent the discharge of water into the cavity.

Made from	Polypropylene
Available in	Black

ROOF VERGE SYSTEMS

Danelaw® offers a variety of solutions that are cost effective and time-saving for the roof verges.

Interlocking Dry Verge systems
For tiles, there are interlocking verge systems available; both eliminating the need for mortar while providing protection from wind uplift and driving rain to the perimeter of the roof.

Features and Benefits:
- Designed to minimise water run-off staining on the verge and gable wall
- Starter unit and ridge cap kits include stainless steel screws and wall plugs
- Starter unit designed to avoid gutter interference and slotted for ease of adjustment
- Dry fix products eliminate mortar installation and maintenance issues
- High heat distortion resistance compared to PVC
- UV stabilised for long term performance
- Clip-over design for fast installation
- Verge units available in right and left handed
- Complies with BS 8612 and BS 5534 requirements
- No additional eaves or ridge components required

Continuous Verge Systems
Danelaw's continuous verge range are of unique preformed GRP, designed to fix continuously along slate roof verges for both new and refurbishment work.

Features and Benefits:
- Quick and simple to install
- Thermally stable
- UV and acid rain resistant
- Creates no harmful run off into water courses
- Dry fix products eliminate the mortar installation and maintenance issues

30 YEAR GUARANTEE

15 YEAR GUARANTEE

InVerg®

HD INVERG

NEW

InVerg® is suitable for single and double cambered plain tiles at batten gauges 88mm to 104mm.

System components include:
HD INVERG Unit (Handed)
HD IPTDV/HR Half round ridge cap
HD IPTDV/AR Angle ridge cap
HD INVERG/EB Eaves Bracket
HD IDV/BC Batten End Clip

InVerg®

PATENT NO: 2586153

Made from	Polypropylene
Available in	Antique Red, Black, Brown, Slate Grey, Terracotta

MidVerg20®

HD MV20

NEW

Suits all flat intermediate gauge single-lap interlocking tile types and suitable for use on new build or refurbishment at batten gauges 200mm to 260mm.

System components include:
HD MV20 Dry Verge Unit (Handed)
HD IPTDV/HR Half round ridge end cap
HD IPTDV/AR Angle ridge end cap
HD IPTDV/ST Starter Unit
HD IDV/BC Batten end clip

MidVerg20

Made from	Polypropylene
Available in	Antique Red, Black, Brown, Slate Grey, Terracotta

MiniVerg®

HD IPTDV
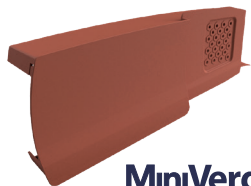
Suits single lap interlocking plain tiles between 170 & 200mm batten gauges.

System components include:
HD IPTDV Dry Verge Unit (Handed)
HD IPTDV/HR Half round ridge cap
HD IPTDV/AR Angle ridge cap
HD IPTDV/ST Starter unit
HD IDV/BC Batten end clip

MiniVerg

Made from	Polypropylene
Available in	Antique Red, Black, Brown, Slate Grey, Terracotta

IDV

HD IDV

Suits single lap concrete tiles between 260 & 355mm batten gauges.

System components include:
HD IDV Dry Verge Unit (Handed)
HD IDV/HR Half round ridge cap
HD IDV/AR Angle ridge cap
HD IDV/ST Starter unit
HD IDV/BC Batten end clip

Made from	Polypropylene
Available in	Antique Red, Black, Brown, Slate Grey, Terracotta

For interlocking roof verges, only the Slate Grey option is fully recyclable
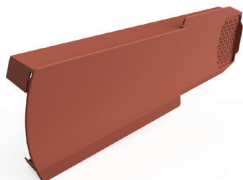
TIDV — HD TIDV

Suits thin leading edge single lap concrete tiles between 260 & 355mm batten gauges.

System components include:
HD TIDV Dry Verge Unit (Handed)
HD IDV/HR Half round ridge cap
HD IDV/AR Angle ridge cap
HD IDV/ST Starter unit
HD IDV/BC Batten end clip

Made from	Polypropylene
Available in	Slate Grey, Black (available in standard IDV verge colours to order)

Continuous Slate Verge — HDL DV6

Under batten fixing
Slate gap height* 40mm

Length	3,000mm
Height	80mm
Projection width	35mm
Made from	GRP
Available in	Anthracite

Continuous Slate Verge — HDL DV7

Over batten fixing or directly onto sarking boards for Scottish slate roofs.
Slate gap height* 16mm

Length	3,000mm
Height	50mm
Projection width	35mm
Made from	GRP
Available in	Anthracite

Continuous Slate Verge — HDL DV8
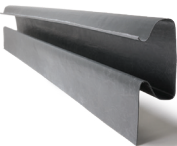
Face Fixing for Slate.
Slate gap height* 55mm

Length	3,000mm
Height	150mm
Projection width	50mm
Made from	GRP
Available in	Anthracite

Continuous Slate Verge — HDL DV9

Face Fixing for Scottish Slates.
Slate gap height* 35mm

Length	3,000mm
Height	110mm
Projection width	40mm
Made from	GRP
Available in	Anthracite

*Gap height is measured from the distance between the top and bottom verge lip.

For interlocking roof verges, only the Slate Grey option is fully recyclable

ROOF ACCESSORIES

Danelaw® offers a wide variety of roofing accessory products that are purpose-designed to save time on site. They are light-weight and simple to install. Products in this range include; roofing underlay support trays, continuous eaves course for slate roofs and hip tile support trays through to a damp proof course for sloping parapet walls.

Hip Trays — HDL HT165/HT300

Universal GRP hip trays designed to provide quick and easy alignment of hip tiles.

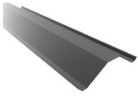| Length	HDL HT165 1,650mm
	HDL HT300 3,000mm
Height	50mm
Width	245mm
Made from	GRP

Underlay Lap Vent — HD ULV

Designed to fit between the overlaps in the roofing underlay below the tiles or slates to introduce ventilation openings. The shallow and tapered design suits all commonly encountered rafter spacings and allows for easier fitting between the roofing felt or underlay where the overlaps are tight.

Airflow/vent	2,280mm^2
Made from	PVC
Available in	Black

Rigid Underlay Support Tray — HD RFST
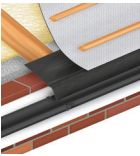
Provides full support and eaves protection for roof underlay at eaves level. Suitable for new, refurb and retro fit applications. Can be used in conjunction with either traditional soffit strip vent (HD 8000) or with over fascia vents (HD 12000M or HD 12000U).

Length	1,500mm
Made from	PVC
Available in	Black

Roofing Underlay Support Tray — HD 3000

Provides full support and eaves protection for roof underlay at eaves level - in black PVCu for easy fixing. Combines to provide drip into guttering while clipping trays together offers universal rafter spacing. Hinged at fascia to prevent panel distortion on low pitches.

Can be fixed with either the HD 12000M, HD 12000U or directly to the top of the fascia board.

Length	600mm
Made from	PVC
Available in	Black

Continuous Eaves Course — HDL CECS
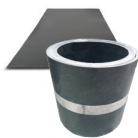
A GRP support eaves course replacing the first course of cut slates. Time savings on cutting and fixing slates. Suitable for all types and sizes of slates up to 600mm long.

Length	3,000mm
Width	355mm
Made from	GRP
Available in	Anthracite

Damp Proof Course — HDL DPC
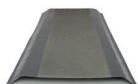
A GRP damp proof course that incorporates a wide mortar bonding strip. Specifically developed for use on sloping parapet walls up to 240mm thick.

Length	2,400mm
Width	310mm
Made from	GRP
Available in	Anthracite

Universal Abutment Cover Flashing — HDL UACF

A continuous GRP cover flashing, a cost effective alternative to lead for roof abutments. Easily trimmed to fit on site to suit application, whether directly into brick, render, or stepped applications.

Length	3,000mm
Height	150mm
Width	45mm
Made from	GRP
Available in	Anthracite

TILE COMPATIBILITY CHARTS

Dry Fix Valley Troughs
Individual Soakers
Tile Vents & Adaptors
Dry Verge Systems

CREST	
DS5	DVT/OBDVT
F8.5	DVT/OBDVT
F10	DVT/OBDVT
F12	DVT/OBDVT
F15	DVT/OBDVT
G10	DVLPT/OBDVLPT
H10	DVT/OBDVLPT
H14	DVT/OBDVT
H15	DVLPT/OBDVLPT
S9	DVLPT/OBDVLPT
SP10	DVT/OBDVT
Double Pantile	DVT/OBDVT
Double Roman	DVT/OBDVT
Planum	DVLPT/OBDVLPT
Wolds	DVT/OBDVT

FORTICRETE	
Centurion	DVT/OBDVT
Gemini	DVLPT/OBDVLPT
Minislate	DVLPT/OBDVLPT
Senator	DVT/OBDVT
SL8	DVLPT/OBDVLPT
V2	DVT/OBDVT

EDILIANS	
Alpha 10	DVLPT/OBDVLPT
Arboise	DVLPT/OBDVLPT
Beauvoise	DVLPT/OBDVLPT
Double Panne S	DVT/OBDVT
HP10	DVLPT/OBDVLPT
HP17	DVLPT/OBDVLPT
HP20	DVLPT/OBDVLPT
Monopole No.1	DVT/OBDVT
Panne H2	DVT/OBDVT
Panne S	DVT/OBDVT

BREEDON	
Double Roll	DVT/OBDVT
Elite	DVLPT/OBDVLPT
Flat	DVLPT/OBDVLPT
Square Top	DVT/OBDVT

MARLEY	
Anglia Plus	DVT/OBDVT
Ashmore	DVLPT/OBDVLPT
Duo Modern	DVLPT/OBDVLPT
Double Roman	DVT/OBDVT
Edgemere	DVLPT/OBDVLPT
Lincoln	DVT/OBDVT
Ludlow Major	DVT/OBDVT
Ludlow Plus	DVT/OBDVT
Malvern	DVT/OBDVT
Maxima	DVT/OBDVT
Marquess	DVLPT/OBDVLPT
Melbourn	DVLPT/OBDVLPT
Melodie	DVT/OBDVT
Mendip	DVT/OBDVT
Modern	DVLPT/OBDVLPT
Monarch	DVLPT/OBDVLPT
Wessex	DVT/OBDVT

MANNOK (QUINN)	
Devenish	DVLPT/OBDVLPT
Locherne	DVT/OBDVT
Rathmore	DVLPT/OBDVLPT
Western Slate	DVLPT/OBDVLPT

BMI (REDLAND)	
49 Type	DVT/OBDVT
Cambrian	DVS/OBDVT
Cathedral	DVT/OBDVT
Double Roman	DVT/OBDVT
Duo Plain	DVLPT/OBDVLPT
Fenland	DVT/OBDVT
Grovebury	DVT/OBDVT
Landmark Dbl Pantile	DVT/OBDVT
Landmark Slate 10	DVLPT/OBDVLPT
Mini Stonewold	DVLPT/OBDVLPT
Norfolk Pantile	DVT/OBDVT
Old Holllow	DVT/OBDVT
Postel	DVT/OBDVT
Regent	DVT/OBDVT
Renown	DVT/OBDVT
Richmond	DVLPT/OBDVLPT
Richmond 10	DVLPT/OBDVLPT
Saxon 10	DVLPT/OBDVLPT
Stonewold MkII	DVLPT/OBDVLPT

WEINERBERGER (SANDTOFT)	
20/20	DVLPT/OBDVLPT
Actua	DVLPT/OBDVLPT
Arcadia	DVT/OBDVT
Balmoral	DVLPT/OBDVLPT
Bridgewater	DVT/OBDVT
Britlock	DVS/OBDVLPT
Calderdale Edge	DVLPT/OBDVLPT
Calderdale Slate	DVLPT/OBDVLPT
Cassius	DVLPT/OBDVLPT
County	DVT/OBDVT
Double Pantile	DVT/OBDVT
Double Roman	DVT/OBDVT
Dual Calderdale	DVLPT/OBDVLPT
Dual TLE	DVLPT/OBDVLPT
Flemish	DVT/OBDVT
Gaelic	DVT/OBDVT
Greenwood	DVT/OBDVT
Lindum	DVT/OBDVT
Modula	DVT/OBDVT
Old English	DVT/OBDVT
Old Hollow	DVT/OBDVT
Olympus	DVT/OBDVT
Neo Pantile	DVT/OBDVT
Rivius	DVLPT/OBDVLPT
Shire Pantile	DVT/OBDVT
Standard Pattern	DVT/OBDVT
Tempest	DVT/OBDVT
TLE	DVLPT/OBDVLPT
Vauban	DVLPT/OBDVLPT

RUSSELL	
Argyll	DVT/OBDVT
Bute	DVLPT/OBDVLPT
Cheviot	DVT/OBDVT
Derwent	DVT/OBDVT
Double Roman	DVT/OBDVT
Galloway	DVLPT/OBDVLPT
Grampian	DVLPT/OBDVLPT
Highland	DVLPT/OBDVLPT
Lothian	DVLPT/OBDVLPT
Moray	DVLPT/OBDVLPT
Pennine	DVT/OBDVT
Polden	DVLPT/OBDVLPT
DOUBLE LAP TILES AND SLATES	
Plain Tiles	DVLPT/OBDVLPT
Slates up to 6mm thick	DVS/OBDVLPT
Slates 7 to 15mm thick	DVLPT/OBDVLPT
Slates 16 to 22mm thick	DVT/OBDVPT
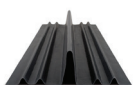
HDL DVT
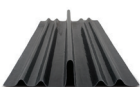
HDL DVLPT

HDL DVS

HDL OBDVT

HDL OBDVLPT

THE ORIGINAL
SINCE
1997

Valley Board Construction Guidelines

In all cases and with all inclined roof valleys, valley troughs and valley lining materials should be supported by valley boards or sark boards.

Valley boards may be inset or continuous over the rafters. The width of the board should be sufficient to provide a minimum of 50mm end support for the ends of the slate or tile battens.

Where they are inset, they should be a minimum of 12mm thick plywood (or 19mm softwood) and supported on bearers of 50mm x 25mm or similar fixed to the rafter sides and set at a depth to finish the valley board flush with the top of the rafters.

Continuous overlaid valley boards may be used, and should be a minimum of 6mm thick plywood butt jointed only over supporting rafters. On rafter spacings above 400mm, it is recommended that support noggins of 75mm x 50mm minimum are securely fixed under the outer edge of the valley board between the rafters.

The fascia or barge board may be trimmed to allow the valley trough to pass through without flattening the profile. Alternatively a lead or lead replacement soaker may be used if required.

| FORTICRETE	
Gemini	DTS
Minislate	DTS
BREEDON	
Elite	SRRS
Flat Type	MDS
MARLEY	
Ashmore	DTS
Duo Modern	MDS
Edgemere	SRRS
Marquees	SRRS*
Melbourn	RCS
Modern	MDS
Monarch	SRRS**
MANNOK (QUINN)	
Devenish	RTS
Rathmore	RTS
Western Slate	MDS
BMI (REDLAND)	
Cambrian	RCS
Duo Plain	DTS
Landmark Slate 10	RTS
Mini Stonewold	MDS
Richmond	RRS
Richmond 10	RTS
Saxon 10	RTS
Stonewold MkII	MDS
RUSSELL	
Bute	SRRS*
Galloway	RTS
Grampian	MDS
Highland	MDS
Lothian	RTS
Moray	RTS
Polden	RTS
WIENERBERGER (SANDTOFT)	
20/20	SRRS*
Balmoral	SRRS
Britlock	RCS**
Calderdale Edge	MDS
Calderdale Slate	MDS
Cassius	SRRS*
Dual Calderdale	MDS
Dual TLE	RTS
Rivius	SRRS*
TLE	RTS
DOUBLE LAP TILES AND SLATES	
Plain Tiles (All)	PCS
Slates 500 x 250mm	SS500
Slates 600 x 300mm	SS600

HD DTS
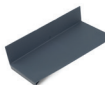

HD MDS

HD RCS

HD PCS
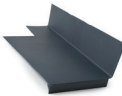
HD RRS

HD RTS

HD SRRS

HD SS500/600

* Longer than the tiles; the length maybe trimmed at the head if required
** Subject to minimum rafter pitch of 30º and minimum headlap of 95mm

CREST	
Double Pantile	IDV
Double Roman	IDV
Planum	IDV

FORTICRETE	
Gemini	IPTDV
Minislate	IPTDV
Senator	IDV
SL8	TIDV
V2	IDV

EDILIANS	
Alpha 10	IDV*
Arboise	MV20
Beauvoise	MV20
HP10	IDV**
HP17	IDV****

BREEDON	
Double Roll	IDV
Elite	TIDV
Flat Type	IDV
Square Top	IDV

MARLEY	
Anglia Plus	IDV
Ashmore	IPTDV
Duo Modern	IDV
Double Roman	IDV
Edgemere	TIDV
Ludlow Major	IDV
Ludlow Plus	IDV
Malvern	IDV
Marquess	MV20
Mendip	IDV
Modern	IDV
Monarch	MV20
Wessex	IDV

MANNOK (QUINN)	
Devenish	TIDV
Locherne	IDV
Rathmore	TIDV
Western Slate	IDV

BMI (REDLAND)	
Cambrian	MV20
Double Roman	IDV
Duo Plain	IPTDV
Fenland	IDV
Grovebury	IDV
Landmark Dbl Pantile	IDV
Landmark Slate 10	TIDV
Mini Stonewold	IDV
Norfolk Pantile	IDV
Regent	IDV
Renown	IDV
Richmond	TIDV
Richmond 10	TIDV
Saxon 10	TIDV
Stonewold MkII	IDV

RUSSELL	
Argyll	IDV
Bute	TIDV****
Cheviot	IDV
Derwent	IDV
Double Roman	IDV
Galloway	TIDV
Grampian	IDV
Highland	IDV
Lothian	TIDV
Moray	TIDV
Pennine	IDV
Polden	TIDV

WEINERBERGER (SANDTOFT)	
20/20	MV20
Britlock	MV20***** TIDV***
Calderdale Edge	IDV
Calderdale Slate	IDV
Cassius	TIDV
Double Pantile	IDV
Double Roman	IDV
Dual Calderdale	IDV
Dual TLE	TIDV
Lindum	IDV
Olympus	IDV
Neo Pantile	IDV
Rivius	TIDV
Shire Pantile	IDV
Standard Pattern	IDV
TLE	TIDV

DOUBLE LAP TILES	
Plain Tiles	INVERG

IDV Verge Unit	Angle Ridge Cap	Starter Unit
HD IDV	HD IDV/AR	HD IDV/ST

Half-Round Ridge Cap	MiniVerg®	Angle Ridge Cap
HD IDV/HR	HD IPTDV	HD IPTDV/AR

Starter Unit	Half-Round Ridge Cap	TIDV Verge Unit
HD IPTDV/ST	HD IPTDV/HR	HD TIDV

Batten End Clip	InVerg®	MidVerg20®	Eaves Bracket
HD IDV/BC	HD INVERG	HD MV20	HD INVERG/EB

* Batten gauge 330 to 355mm
** Batten gauge 310 to 355mm
*** Batten gauge 260 to 285mm
    with continuous verge batten
**** Down to 260mm batten gauge
***** Batten gauge 240 to 260mm

| BREEDON	TILE VENT	ADAPTOR
Double Roll	TV15/3	TVSPA, TVA
Flat	TV15/1	TVSPA, TVA
MARLEY		
Anglia Plus	TV10/8	RSPA
Ashmore	TV10/11	DPCSPA
Duo Modern	TV15/1	TVSPA, TVA
Double Roman	TV15/3	TVSPA, TVA
Ludlow Major	TV15/4	TVSPA, TVA
Ludlow Plus	TV10/6	RSPA
Mendip	TV15/2	TVSPA, TVA
Modern	TV15/1	TVSPA, TVA
Plain Tile	TV10/5, TV10/9, TV10/10	TVSPA, DPCSPA
MANNOK (QUINN)		
Locherne	TV15/2	TVSPA, TVA
Western Slate	TV15/1	TVSPA, TVA
BMI (REDLAND)		
49 Type	TV10/6	RSPA
Double Roman	TV15/3	TVSPA, TVA
Duo Plain	TV10/11	DPCSPA, DPCA
Grovebury	TV15/2	TVSPA, TVA
Landmark Dbl Pantile	TV15/2	TVSPA, TVA
Mini Stonewold	TV15/1	TVSPA, TVA
Norfolk Pantile	TV10/8	RSPA
Plain Tile	TV10/5, TV10/9, TV10/10	TVSPA, DPCSPA
Renown	TV15/7	TVSPA, TVA
RUSSELL		
Cheviot	TV15/4	TVSPA, TVA
Double Roman	TV15/3	TVSPA, TVA
Grampian	TV15/1	TVSPA, TVA
Highland	TV15/1	TVSPA, TVA
Penine	TV15/2	TVSPA, TVA
Plain Tile	TV10/5, TV10/9, TV10/10	TVSPA, DPCSPA
WEINERBERGER (SANDTOFT)		
Calderdale Slate	TV15/1	TVSPA, TVA
Double Roman	TV15/3	TVSPA, TVA
Dual Calderdale	TV15/1	TVSPA, TVA
Plain Tile	TV10/5, TV10/9, TV10/10	TVSPA, DPCSPA
Shire Pantile	TV10/8	RSPA
Standard Pattern	TV10/6	RSPA
FORTICRETE		
Gemini	TV10/11	DPCSPA, DPCA
Minislate	TV10/11	DPCSPA, DPCA

HD TV10/5
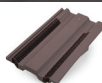
HD TV10/6
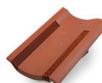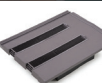

HD TV10/8

HD TV10/9
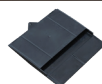
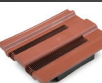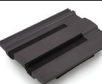
HD TV10/10

HD TV10/11

HD TV15/1

HD TV15/2

HD TV15/3

HD TV15/4

HD TV15/7

Note: for Slate Ventilators refer to pages 25 and 26

Note: TVA, PCA and DPCA are adaptors only

ABOUT US

**Hambleside Danelaw
Building Products**

Hambleside Danelaw's rich heritage incorporates publishing and leather goods, but our building products story began in 1975 when an investment opportunity presented itself in the form of a patent for an innovative glass reinforced polyester (GRP) roofing product.

A year later, Hambleside Manufacturing Limited was established; it served the building industry, and business was good. After diversifying into rooflights and cladding, in 1983 we began manufacturing valley gutters for a Daventry-based new client, Danelaw Laminates Limited. Having worked closely for several years, discussions on a merger took place between the two companies, and a deal was done in 1992. Then it was undone, but the name was retained and the rest, as they say…

Today, we manufacture a range of GRP products on our sophisticated continuous profiling production line. The products are made using a range of raw materials, including glass rovings and mats, varying fire resistant and retardant resins and pigments. In addition, our factory operates vacuum-forming and injection moulding machinery capable of producing products that form part of our Pitched Roofing range.

Over the years we have patented a number of innovative products for both pitched roofing and industrial roofing solutions. Throughout our history we have lead the way accommodating legislative and regulatory changes within our product designs and keeping abreast of BS EN ISO standards. Today all our products are manufactured to BS EN ISO 9001 Quality and ISO 14001 Environmental standards whilst operating to BS ISO 45001 Occupational Health and Safety standard.

We have the capability to manufacture bespoke products and so welcome all enquiries.

AREA SALES MANAGERS IN YOUR LOCATION:

East Midlands & Eastern England

Kris Brentnall

kris.brentnall@hambleside-danelaw.co.uk
07710 573013

South East of England

Russell Evans

russell.evans@hambleside-danelaw.co.uk
07801 933967

South West of England & South Wales

Richard Spreag

richard.spreag@hambleside-danelaw.co.uk
07710 573005

Neil Brown
National Sales Manager

West Midlands & North Wales

Mark Holliday

mark.holliday@hambleside-danelaw.co.uk
07710 573002

North of England

Terry Muse

terry.muse@hambleside-danelaw.co.uk
07710 573006

Scotland, Ireland and North East England

Mike Lemmon

mike.lemmon@hambleside-danelaw.co.uk
07710 573023

For more information contact our Internal Sales Team;

01327 701 910
sales@hambleside-danelaw.co.uk

Jane Hunter
Internal Sales Team Manager
Covers South East of England and South West of England & South Wales

jane.hunter@hambleside-danelaw.co.uk
01327 701 915

Where to find everything

For more information on our product range and our policies or us as a company, please visit our website:

www.hambleside-danelaw.co.uk

Emma Hart
Internal Sales Team Leader
Covers West Midlands & North Wales

emma.hart@hambleside-danelaw.co.uk
01327 701 914

Fabiola Pedelty
Sales Co-Ordinator
Covers North of England and East Midlands& Eastern England

fabiola.pedelty@hambleside-danelaw.co.uk
01327 701 903

Hambleside Danelaw reserve the right to amend specifications without prior notice. Full Terms and Conditions of Sale are available upon request.

ADDITIONAL SUPPORT

We pride ourselves on the service and support we offer from planning to installation. We are technical experts with unrivalled knowledge of our industry and the products used every day.

Field Technical Support
Paul Lambert
paul.lambert@hambleside-danelaw.co.uk
07712 526 257

Technical Support
techelp@hambleside-danelaw.co.uk

Marketing Support
marketing@hambleside-danelaw.co.uk

Technical advice for specifiers, distributors and end-users are also available. This includes technical training, product selection advice and installation guidance including site visits where appropriate or required. Much of our range is covered by CAD support, providing technical details and drawings for each of our brands.

We support the building professional in the specification process through:

- CAD drawings available from our website
- BIM components
- Product technical support (not for all the product range)
- Comprehensive UK sales representation
- CPD seminars

Hambleside Danelaw are pleased to announce a new initiative to help fill the skills gap in roofing. The Hambleside Danelaw Hub will be a centre of knowledge which can be accessed anywhere with an internet connection.

We will be releasing a variety of courses from all three of our divisions:

- Danelaw pitched roofing flashings, ventilation and ancillaries;
- Dryseal unique GRP waterproofing system for flat and low pitched roofs;
- Zenon low carbon GRP rooflights for commercial and industrial properties

ZENON ROOFLIGHTS

ZENON ®
A Hambleside Danelaw Ltd brand

Our low carbon Zenon in-plane, barrel vault and standing seam rooflights for the metal building envelope includes award winning Zenon Evolution rooflights and patented Insulator honeycomb core, increasing natural daylighting and thermal performance of industrial buildings.

Paul Hanratty
National Sales Manager -
Rooflights and Cladding

sales@hambleside-danelaw.co.uk
01327 701 920

DRYSEAL GRP FLAT ROOFING SYSTEM

DRYSEAL ®
A Hambleside Danelaw Ltd brand

Our unique Dryseal flat and low pitched roofing system is installed UK wide by our trained and approved network of contractors. The factory manufactured GRP component based system is unique and carries a 20-year leak free guarantee with an insurance warranty.

Andy Fell
National Sales Manager -
Dryseal

sales@hambleside-danelaw.co.uk
01327 701 930

Hambleside Danelaw Ltd has a continuing product development programme. With any updates or changes to these products, we will ensure that this is communicated to our customers and stakeholders.

In accordance with our policy for continuous improvement we reserve the right, should the need arise, to amend product specifications without prior notice. In turn, products may slightly differ at the time of the print of this publication.

Hambleside Danelaw Limited
Long March, Daventry,
Northamptonshire,
NN11 4NR

Tel: +44 (0)1327 701910
Fax: +44 (0)1327 701919

www.hambleside-danelaw.co.uk
sales@hambleside-danelaw.co.uk

Hambleside Danelaw
Building Products