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# Environmental and Mission Statements

## ENVIRONMENTAL STATEMENT

The Company is committed to an environmental policy that will minimise as far as is possible any detrimental effect to the environment, which may arise as a result of its production process.

All employees are informed of their duty to ensure that materials used during the course of production and the disposal of scrap materials is carried out in controlled conditions and in full compliance with all legislation in force. The disposal of such product is only handled by appropriate waste management organisations.

Wherever practical the Company's products are designed to be recyclable after their useful life.

The Company will continue to explore all possibilities to ensure that it takes all reasonable steps to protect the environment.

## MISSION STATEMENT

Hambleside Danelaw Limited is a market leader in the manufacture and supply of roofing, cladding and ventilation products. Our key objectives are:

1. To respond to our customers' needs and meet our customers' stated requirements with a comprehensive range of cost-effective, quality-assured products which exceed their technical expectations and increase their levels of satisfaction.
2. To remain at the forefront of technology in our market by continuing to achieve technical excellence in our manufacturing processes.
3. To pursue a policy of continuous improvements in the company's performance and to return a profit for our investors.
4. To provide technical assistance in the design and development of customers' products and services.
5. To strengthen our business relationships by cultivating our reputation as a trustworthy and customer-oriented supplier.
6. To expand our production facilities in a controlled manner in response to our customers' needs, ensuring all our operations comply with BS EN ISO 9002 and British Board of Agrément Standards and with due regard to the safety of our employees, customers and products.
7. To provide our work force with secure and rewarding employment, encouraging growth and employee involvement and offering opportunities for personal development in a safe, team-working environment.

September 2000

1.1

# Company Profile

Hambleside Danelaw has been manufacturing products for the building and construction industry since 1975.

During that time it has been responsible for many innovations and the Company was the first manufacturer to use fully automated, quality controlled production line manufacturing processes for its range of GRP flashings.

These products benefited from the pioneering development and introduction by the Company of mortar retention bars and mortar bonding sand strips as an integral part of valley trough design.

This originality has continued with the introduction of the first and totally unique "dry fix" valley trough for plain tiles, profiled tiles and slates. The Company provides written guarantees together with test data documentation to support the Company's 30 year guarantee for the GRP flashings

It has also developed a comprehensive roof, wall and underfloor ventilation range which comply with NHBC and BS 5925 1991 requirements. Again, written guarantees are given on many of the Company's ventilation products. Several ventilators allow for universal use.

## SCOTTISH REGULATIONS AND REQUIREMENTS

The Company's ventilation products are produced to BS 5250 standard and under Scottish building regulations Part G Item 5. This standard is classified as – deemed to satisfy for the control of condensation in roofs.

The Company was also one of the first to recognise the special product requirements for this market and consequently many of them have been designed to meet the different national working practises.

## FASTRACK CAD SUPPORT

Technical drawings, and full electronic brochure information on the products specifically covered within this manual and the other products manufactured by the Company, are available in all supportive versions of AUTOCAD. For further information please contact our sales office.

## TRADE ORGANISATIONS

The Company is an Associate member of the National Federation of Roofing Contractors (NFRC) and participates in the co-partnership guarantee scheme.



In addition it is also an associate member of the Builders Merchants Federation.



## NBS PLUS

The Company is a member of the RIBA NBS Plus electronic library service. This facility provides a link between our Company product information to clauses within the national building specification. This is the most authoritative and widely used system for specifying products.



## QUALITY STANDARDS

The majority of the Company's GRP flashing products carry full BBA certification. Our Valley Troughs also uniquely hold BBA multi-product certification.



The Company is a BS EN ISO 9002 registered firm.



The Dalcross APC and GRP production centre is recognised for its achievement in working to the Investor in People Standard.



INVESTOR IN PEOPLE

## PRODUCT TESTING

The Company's full product range is regularly tested and appraised by BBA, Rapra Technology Limited and the Birmingham City Laboratories (formerly the Independent Research Laboratories).

## CONTINUING PROFESSIONAL DEVELOPMENT (CPD) SEMINAR PROGRAMME

The Company is a RIBA CPD Network provider and also a member of the Construction CPD Certification Service.



With the continuing pace of development within the construction industry, which is facing more controls and demands than ever before, Hambleside Danelaw have introduced a series of specially designed seminar presentations. These are aimed directly at the professional architect, specifier and facility manager. The courses cover a range of topics including health and safety matters and product applications.

## For further information please contact:

Hambleside Danelaw Limited  
CPD Seminars  
2-8 Bentley Way  
Royal Oak Industrial Estate  
Daventry  
Northamptonshire, NN11 5QH  
Tel: 01327 701900  
Fax: 01327 701909

Specific web site: [www.focusoncpd.co.uk](http://www.focusoncpd.co.uk)

# Company Profile continued

## SPECIAL MANUFACTURE

### Special Manufacture

Hambleside Danelaw can provide a design service to help develop and produce a particular product to meet specific customer requirements. In such cases the copyright and design of the item remains the property of Hambleside Danelaw Limited unless a consideration is agreed in writing between the customer and the company. Please contact our sales office for further information.

## PATENTS AND TRADEMARKS

The following UK Patents apply:  
Dry Fix Valley Troughs – 2 307 922 and 2 334 980.  
Dry Valley Bridge Piece – 2 337 277.  
Conti-Soaker – 2 171 124.  
In-line Tile and Slate Ventilators – 2 290 568.  
Over Fascia Ventilator – 2 315 784.  
Patent applied for: Plain Clay Tile Ventilator – 9929018.1.

The following are Trademarks of Hambleside Danelaw Limited:

Bonding Gutter	Dryseal	Dryseal Domestic
Contour Factor 20	Contour OTT	StepSafe
Danelaw	Dry Fix Valley	Arch-Light
Conti-Soaker	Continuous Eaves Course	

## WEB SITE

Full information on all the Company's products is available through our web site:

[www.hambleside-danelaw.co.uk](http://www.hambleside-danelaw.co.uk)

This site also contains information on the other activities of the Hambleside organisation.

## GENERAL

All orders, including special manufacture, are subject to the Company's Standard Terms and Conditions. A full copy of our Terms and Conditions of Sale is reproduced at the end of this manual.

## PRODUCT SPECIFICATION

All recommendations and information contained within this manual have been provided in good faith without guarantee or warranty. Hambleside Danelaw Limited reserves the right to change the specification of its products at any time. No liability can be accepted for any losses, claims or demands, which may arise as a result of this manual. This statement does not affect statutory rights. The Company's full terms and conditions of sale are published in full within this manual.

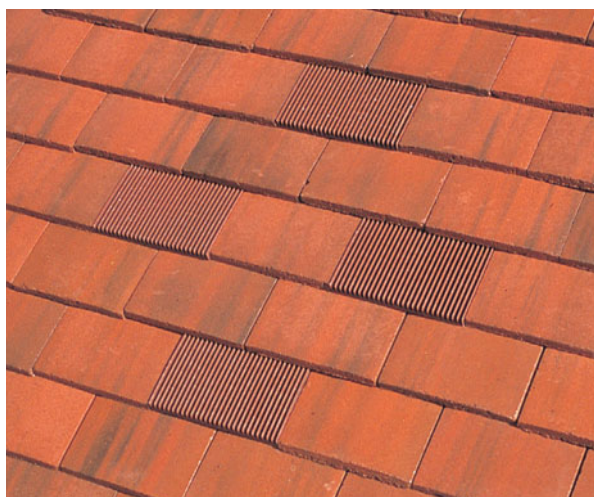
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This publication and the information contained herein supersedes all previous literature on these products issued by Hambleside Danelaw Limited. All previous literature is withdrawn.

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New and entirely unique, our Dry Fix Valley Trough represents a major step forward in the manufacture of GRP flashings.



Our latest plain tile ventilator is a proven success with developers looking for effective, yet unobtrusive roofscape ventilation.



# Product Guarantees

## GUARANTEE

Hambleside Danelaw Limited (Hambleside) hereby guarantee that:

The following products which are manufactured by Hambleside from GRP, hereinafter referred to as the product, will have a service life as defined below of 30 years.

- Bonding Gutter
- GRP Slate and Tile Valley Trough product range
- Dry Fix Valley
- Damp Proof Course
- Continuous Soaker for Slate or Tiles

The following products which are manufactured by Hambleside from high density polypropylene or polyethylene hereinafter referred to as the product, will have a service life as defined below of twenty years.

- Slate Roof Ventilators
- Tile Roof Ventilators
- Dry Soakers
- Cavity and Underfloor Ventilators
- Over Fascia and Soffit Ventilators

The Guarantee shall only apply to product exposed to normal weather conditions within Northern European Union Countries. Normal weather conditions is defined as there being no unusually high levels of chemical or other pollutants within the external or internal atmosphere of the premises where the product is incorporated which would adversely affect the service life expectancy of the product.

Should the product fail to meet the service life expectancy then Hambleside Danelaw Limited will either repair or replace the defective product. The decision as to whether to repair or replace is to be at the sole discretion of Hambleside.

This guarantee is subject to the following conditions and exclusions

### Section 1: Conditions

The installation of the product including storage and handling prior to installation must be completed in accordance with the instructions and specifications of Hambleside in respect of the product which are detailed within the relevant technical manual.

That any damage to the protective weather film of the product where applicable is notified to Hambleside within five working days of its discovery in order that Hambleside may inspect the product and repair using the appropriate materials to reinstate an effective weathering surface.

### Section 2: Exclusions

This Guarantee shall not extend to the following:

- Damage resulting from the movement, subsidence or any failure in the structure or building in which the product has been installed.
- Damage resulting from abnormal use of the roof.
- Damage as a result of accidental or malicious damage.
- Deterioration of the product colour as a result of natural weathering conditions.

### Section 3: Claim procedures

Any claim under this guarantee must be recorded in writing to Hambleside at its address in Daventry within five working days of the discovery of the damage.

Hambleside will within five working days of receipt of such notification arrange for a site visit to be made to inspect and to determine the cause and extent of the damage. Thereafter Hambleside will indicate in writing whether or not it accepts liability under the guarantee.

In the event that a claim has not been resolved between the parties within 14 days then arbitration will be arranged in accordance with Hambleside's Conditions of Sale.

### Section 4

Hambleside will under no circumstances be liable for any incidental or consequential damage to the building structure or contents of the building or any other direct or indirect loss resulting from damage to the relevant product.

### Service Life

Service life is defined in BS 7543 : 1992 Section 1 Clause 2.4 and section 2 Clause 7, as the actual period of time during which no excessive expenditure is required on operation, maintenance, or repair of a component or construction (as recorded in use). The start of the service life is taken from when a building or part of a building is completed and hand over for occupancy has taken place. The end of the service life is taken at the point in time when the only way to deal with the unacceptable loss of performance is by replacement or excessive expenditure on operation maintenance and repair.

# Technical Notes on Ventilation

## ROOF SPACE VENTILATION

The basic requirement of a roof ventilation system is to remove any moisture laden air that has found its way past the insulation layer, thus preventing condensation damage occurring on cold surfaces within the roof void.

The Hambleside Danelaw range of ventilation products is manufactured to comply with NHBC and BS 5925 1991 requirements (as updated) and has several unique features to offer the trade and specifier.

Hambleside's design team has studied the problems of condensation in roof spaces for many years and has now produced the ultimate solution.

For instance, all its soffit ventilators provide well in excess of the minimum requirements for airflow. Many are available with debris covers to maintain the long term efficiency of the ventilators; the flyscreen panel vent is available with flyscreens fitted at both ends therefore eliminating the possibility of debris from the roofspace becoming trapped within the panel.

Other products have new ways of fixing thus cutting down on time spent on installation. All this new innovation makes Hambleside Danelaw products better, easier and quicker to fix, therefore saving time and money.

### CONDENSATION IN ROOF SPACES

Ventilation to negate the effects of condensation in roof spaces is now mandatory to

comply with the Building Regulations and British Standards Code of Practice. Cross-ventilation is recommended and ventilation openings should be placed on the longer sides of rectangular roofs. Ventilation openings should be designed to prevent the ingress of rain and snow, birds and large insects. Minimum mesh/grid sizes should be not smaller than 4mm to avoid excessive air flow resistance. Ventilators should provide a continuous weatherproof airway from the roof space to the outside.

### BUILDING REGULATIONS – THE REQUIREMENTS

Approved document F2 (amended 1992) requires that: Adequate provision shall be made to prevent excessive condensation:

(a) In a roof; or (b) In a roof void above an insulated ceiling. The requirement will be met by ventilation of the roof void; vent openings may be continuous or distributed along the full length and fitted with a fly screen.

### ROOF WITH A PITCH OF 15 DEGREES OR MORE

Pitched roof spaces should have ventilation openings at eaves level (Fig. A) on opposite sides of the structure and a minimum 10mm wide, to promote cross-ventilation.

A pitched roof which has a single slope or abuts a wall (Fig. F) should have ventilation at high level 5mm wide as well as 10mm at the eaves.

Pitched roof spaces where the ceiling follows the pitch of the roof (Fig. C) should have ventilation openings on opposite sides of the structure and a minimum 25mm wide. In addition to this, such structures will require continuous ventilation 5mm wide at the ridge.

### ROOFS WITH A PITCH OF LESS THAN 15 DEGREES

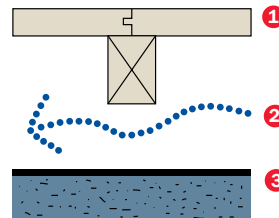
Pitched roof spaces should have ventilation openings at eaves level (Fig. B) on opposite sides of the structure and a minimum 25mm wide to promote cross-ventilation. This also applies to flat roof structures (Fig. D) and where an abutment is unavoidable (Fig. E) a construction should be provided to allow ventilation along the length of the abutment.

Roof voids should have a free air space of at least 50mm between the roof and the insulation.

The requirements can also be met by following the relevant recommendations of BS 5250, 1989, code of practice "The control of condensation in buildings".

## UNDERFLOOR

### Suspended timber floors at ground level



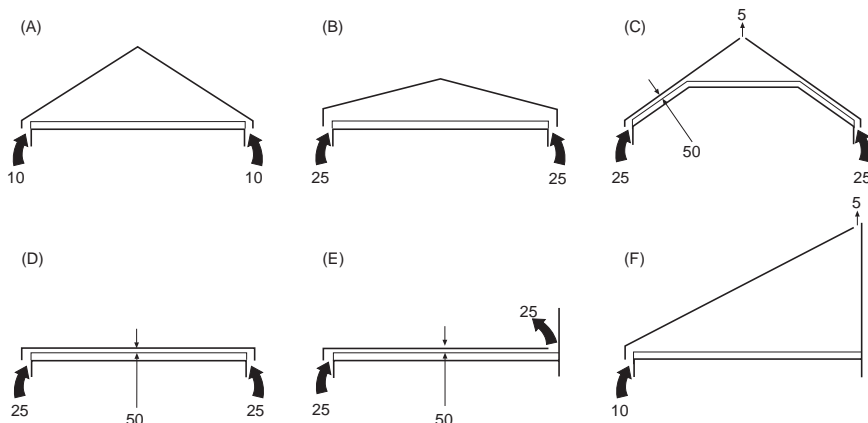
- 1 Suspended timber floor
- 2 Ventilated air space
- 3 Ground cover

Any suspended timber floor next to the ground will meet the performance requirement if:

- a. the ground is covered so as to resist moisture and prevent plant growth, and
- b. there is a ventilated air space between the ground covering and the timber, and
- c. there are damp-proof courses between the timber and any material which can carry moisture from the ground.

Two opposing external walls should have ventilation openings placed so that the ventilating air will have a free path between opposite sides and to all parts. The openings should be large enough to give an actual opening of at least equivalent to 1500mm<sup>2</sup> for each metre run of wall. Any pipes needed to carry ventilating air should have a diameter of at least 100mm.

All Hambleside Danelaw ventilators are designed to satisfy these requirements. Dimensions in millimetres.

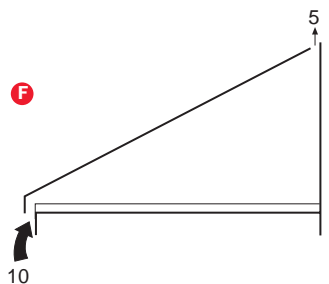
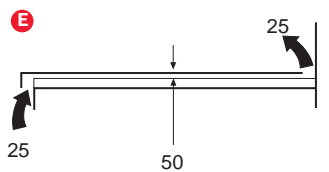
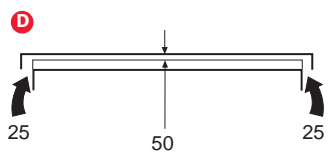
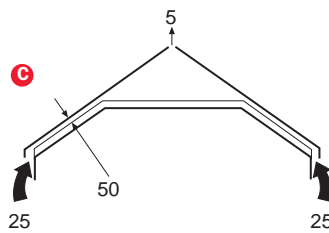
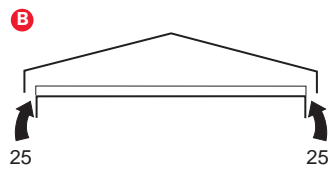
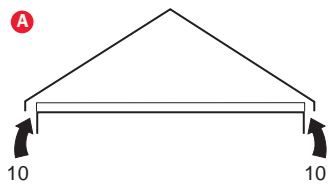


The above illustrations reflect the basic ventilation requirements which would normally be applicable. For additional information please refer to the Building Regulations of 1991, approved document F2, as amended 1992. The latest edition of this document was released in 1995.

# Product Applications – Ventilation

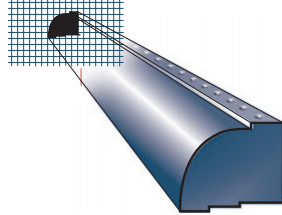
## PRODUCT SELECTION

As a general guide to assist in choosing the correct products from the Hambleside Danelaw range, first identify the type of roof detail from the typical examples A to F illustrated, then select the combination of products from the range to achieve full cross flow ventilation in accordance with the Building Regulations.

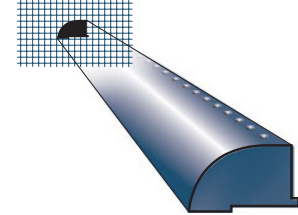


## SOFFIT VENTILATORS

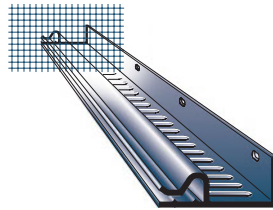
HD12000U  
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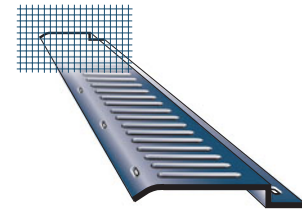
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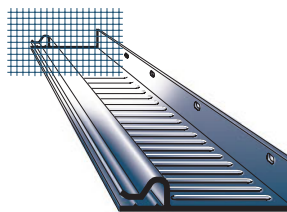
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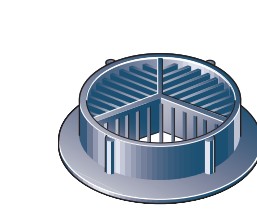
HD8210  
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HD8250  
B C D E

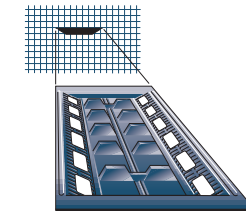


HD7000  
A B C D E F

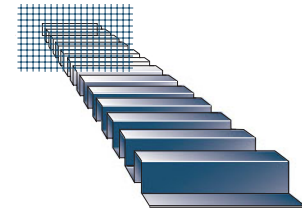


## PANEL VENTILATORS

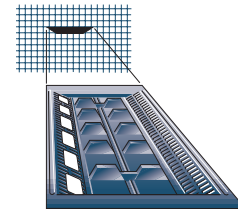
HD4000, HD4500 and HD6000  
A B C F



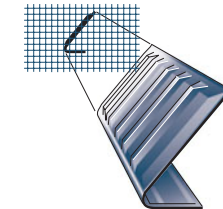
HD5000  
A B C D F



HD4050, HD4550 and HD6050  
A F



HD4350 and HD6450  
A F



HD4025, HD4525 and HD6025  
B C

