

Hambleside Danelaw



DRYSEAL GRP ROOFING SYSTEM For Flat and Low Pitched Roofing

Right This interesting and complex hotel roofscape featured air conditioning plant and other service equipment.



Why you should choose the Dryseal System

Dryseal is manufactured in the UK from glass reinforced polyester (GRP). This material has a proven track record within the building industry and provides a long service life.

Dryseal is unique in that it is a component based roofing system, suitable for flat and low pitched roofs and vertical cladding on new and refurbishment projects. The components are manufactured at our Inverness factory under tightly controlled quality standards.

Dryseal offers all of the benefits of using GRP, but unlike a traditional 'wet-lay' GRP roof installation, the amount of on-site lamination work is considerably reduced. Where the condition of the substrate allows, Dryseal can be installed over an existing roof surface, potentially reducing or saving on removal, landfill and installation costs.

Importantly, Dryseal does not require the use of any heat source or naked flame during installation eliminating or reducing the fire hazard.

Dryseal is BBA Approved and has held Certification since 1995.



■ The Dryseal Membrane

The membrane sheeting is manufactured using high grade resins and glass reinforcements. Fire retardant resins are used which have allowed the product to achieve an Ext F.AC rating when tested in accordance with BS476-3. This means that the membrane has unrestricted use as a roof covering under all UK Building Regulations.

The membrane sheets are fully mechanically fixed, with all the laps sealed using GRP applied by hand lamination. This involves the overlay of chopped glass mat reinforcement, saturated in resin, and then a further covering of fine tissue along all of the laps to provide the high strength and long service life that Dryseal is renowned for. By using the same material as the roof covering there is no differential of expansion, or ageing, between the components.

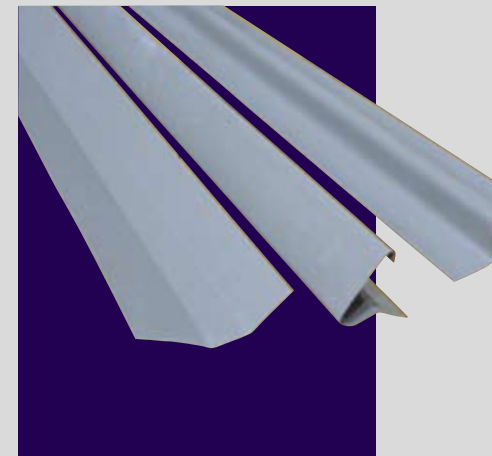
With the membrane and trim components in place and jointed the roof becomes waterproof. The whole surface is then finished through the application of a resin based weather-coat for added UV protection. This weather-coat is available in a range of colours, with Dark and Light Grey colours being the most popular.

■ The Dryseal components

In addition to the basic roofing membranes, we manufacture a range of GRP roof edge and detailing trims which allow for the most complicated details to be accommodated.

Hambleside Danelaw is probably the largest manufacturer of GRP roofing trims within the UK, supplying much of the 'wet lay' GRP roofing industry.

Our **Danelaw** brand is well established and respected within the industry for valley troughs and other roof flashings.



Above There are nineteen different pre-formed roofing trims in the Dryseal System designed to accommodate the most common roof details.

DRYSEAL



Strengths and benefits of the Dryseal system

Two membranes are available: the new **RibTec** ribbed membrane and a standard flat membrane. Both are suitable for most flat and low pitched roof applications.

RibTec's advantage is that the slight textured effect of the surface ribbing provides an aesthetically attractive and more uniform roof finish.

The membranes are mechanically fixed, and are able to move independently of the underlying roof layers of differing composition. They therefore adapt with more flexibility to minor movements within the substrate or structure.

For roofscapes where limited but regular access is required the weather-coat can be upgraded to incorporate an anti-slip finish.

Where unrestricted foot traffic is required, Dryseal can accommodate all established methods of surface protection such as paving slabs, promenade tiles and decking etc. subject to the suitability of the underlying roof construction.

Right This image shows a roofscape featuring our new RibTec ribbed roofing membrane.

Dryseal roofs can achieve a similar finished detailing appearance to Lead, but without the required installation skills or associated costs, nor the risk of theft. This latter point is particularly relevant for heritage buildings where a traditional appearance is desirable.

Dryseal provides uncontaminated rainwater run-off which can be discharged safely into watercourses and water reclamation schemes.

The environmental and handling risks, which can all be associated with the use of Lead, are therefore reduced.

All fixings used in a Dryseal installation must pass a stringent selection procedure to ensure their suitability for each roofscape.



Excels at Design Versatility

Right An example of how well Dryseal can be used to complement other roofing materials on this residential development.



Where you would use the Dryseal System

Dryseal is designed for use on the following properties:

■ Domestic

Flat or low pitched roofs for garages, dormers, porches, bay windows and extensions.

■ Commercial Residential

Multi-storey apartment buildings, flats or converted houses occupied by tenants.

■ Commercial & Industrial

Commercial, industrial and public sector buildings such as offices, schools, hospitals and universities.

■ Heritage

Dryseal can be used as the ideal alternative, or complement, to Lead for traditional and heritage buildings.

■ Dryseal is particularly suitable for

- Flat or low pitched roofs
- Valley, secret and box gutters
- Vertical cladding
- Complex detailing
- Full Parapet encapsulation



Using Dryseal on Green Roof Applications

Dryseal is a natural choice for green roof applications. The system provides the total encapsulation required for a watertight roof with maximum seam strength. GRP is root resistant and the membrane is suitable for both extensive and intensive planting applications.

GRP is resistant to attack by fungi, larvae, insects and mildew and has no harmful chemical run-off disadvantages.

Working with our specialist horticulturalists, we can arrange the supply of pre-planted modular trays of sedum, or other plants, for a instant finish green roof requiring very little maintenance.

DRYSEAL

Right A selection of pictures showing the range of applications and the adaptability of the Dryseal system; from historical and heritage properties, domestic housing, through to the most modern roof designs.



Dryseal is only installed by approved contractors

The system is installed throughout the UK by our network of fully trained and approved contractors.

Contractors are independently vetted by either QANW or the National Federation of Roofing Contractors, prior to being trained by Hambleside in the installation processes of Dryseal. We operate two dedicated training centres, one near our operations facility in Daventry, and the other in Scotland.

Usually, the Contractor will be a member of a recognised professional trade organisation, the National Federation of Roofing Contractors for example, and if they are involved with the installation of Dryseal on domestic (owner occupied) properties they are also expected to be a TrustMark Registered firm.

A contractor displaying the TrustMark logo will also have been vetted to ensure that they meet the required Government endorsed criteria. More information about TrustMark can be obtained from the web site: www.trustmark.org.uk

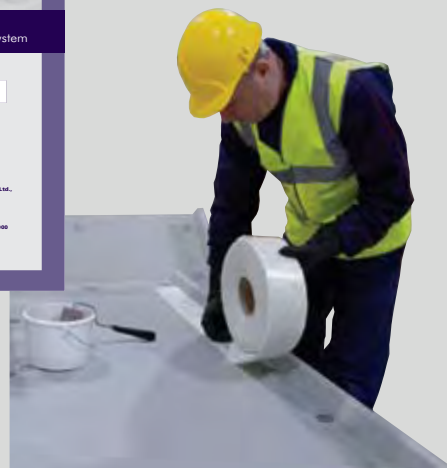
In addition, and as a sign of their confidence in their own skills, every Contractor joins with Hambleside in providing the customer with a written guarantee, in this case a ten year Installation (Workmanship) Guarantee.

The selection process is an important part of the relationship between Hambleside, as manufacturers of Dryseal, and the Contractor installing the product.

Details of all approved contractors are available from the Company's web site.



Left and below At the new Dryseal Training Centre, Approved Contractors are fully trained in all aspects of Dryseal installation and its processes.



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Right Dryseal was specified for this refurbishment contract at a radio station premises in Nottingham.



Hambleside Danelaw and the Environment

GRP and the Environment

We are committed to sustainability through the careful design and selection of raw materials to ensure an extended service life for our products. This, coupled with the recycling of production waste, results in the effective re-usability of the original fossil based material used in the manufacture of GRP products.

In 2007 we became the first GRP manufacturer in our industrial sector to be able to accept responsibility for recycling our products at the end of their service life. Dryseal may be recycled.

Detailed information about the environmental performance of Dryseal and its embodied carbon is available on request.



The Company is a member of the dcarbon8 organisation:

This London based organisation is one of the world's leading consultancies in carbon measurement and reduction. They are at the forefront of analysing embodied and operational carbon in real estate, business operations, products and services. 'Carbon' has become the basic unit of environmental performance. The carbon footprint is the total amount of greenhouse gas (GHG) emissions associated with a business or its products. Reducing the GHG emissions is considered to be the first and unavoidable obligation on the road to best practice. Hambleside works with dcarbon8 in seeking to reduce GHG emissions in production and within products.

In conjunction with dcarbon8, Hambleside is able to offer Dryseal customers the ability to participate in a carbon offset scheme allowing support to be given to dcarbon8 approved projects.

Further information can be obtained from our Sales Office.

About Hambleside Danelaw

Hambleside Danelaw Limited was established in 1975, operating from centres in both England and Scotland. We are one of the UK's major manufacturers of products for the building industry. Our customer base embraces most of the well known builders' merchant groups as well as the principal roofing contractors operating within the UK. Further information can be obtained from our web site: www.hambleside-danelaw.co.uk

Working to help the environment is recognised by The Company as being very important. Hambleside has been accredited with the International Standard **BS EN ISO 14001:2004: Environment**

Health and safety is a major part of the Company's responsibilities for its employees and it has been accredited with the International Standard **BS: OHSAS 18001:2007: Safety**

Production quality systems and controls are also very important to the Company and it has been accredited with the International Standard **BS EN ISO 9001:2008: Quality**

DRYSEAL

Right Dryseal has been used as a waterproof barrier under the paving of the rooftop terrace at the Poole Museum.



The Dryseal Guarantees

Materials and Installation

The Dryseal system is covered by a two part guarantee. The materials are guaranteed by the Company for a period of up to 20 years. For the 20 year cover, we do ask that the system is checked on the fifth anniversary of its installation - just to be sure that all is in order. Experience has shown that if a problem is to arise it will usually be apparent by that time. However, if it is desired not to take advantage of that fifth year check, then the Materials guarantee period is reduced by five years.

The materials guarantee is accompanied by an installation (workmanship) guarantee for ten years which is given by the Dryseal approved contractor installing the system.

Full details of the Installation and Materials Guarantee can be downloaded from our web site or by contacting our sales office.

QANW - Insurance backed guarantee

Both the Material and Installation Guarantee elements that are provided to you will be covered by an independent Insurance Backed Guarantee. This insurance is arranged through QANW, and is provided without cost to the customer as standard with all Dryseal installations. However, please note that no cover is in place until confirmation is provided to any individual customer by QANW.

The Insurance Backed Guarantee protects the customer against a situation arising whereby either the Installing Contractor or the Company has ceased to trade for specifically defined reasons, and is therefore unable to honour their guarantee obligations.

For domestic (owner occupied) properties, additional insurance cover may also be provided to householders where deposits or work in progress payments have been made to an Approved Contractor. Where relevant, details will be provided by QANW.

Details of Deposit Protection, Work in Progress Insurance and the Insurance Backed Guarantee scheme may be downloaded from our web site or obtained from our sales office. However, any customer queries regarding any covers must be directed through QANW.

CAD Downloads

Our Dryseal component drawings are produced to industry standard and ready to import into project plans. Each drawing is layered and includes an insertion point to manipulate on screen and position at will, saving valuable design time. Drawings are available in Autocad or PDF formats.

CPD Seminars

Hambleside Danelaw has a series of seminars that have been assessed and independently certified by both the Construction CPD Certification Service and RIBA.

If you would like details of these seminars please contact us.



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Hambleside Danelaw

Building Products



YOUR APPROVED DRYSEAL ROOFING CONTRACTOR IS:-



DRYSEAL



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