

Bailey

Bailey Atlantic System

Bailey Atlantic is a high performance TPO (Thermoplastic Polyolefin) single ply membrane.



Agrément Certificate
04/4146

Key benefits

Versatile, flexible
and sustainable.
Advanced long lasting
Waterproofing.
Low whole life cost.

High performance single ply

Bailey Atlantic is a sustainable TPO (Thermoplastic Polyolefin) single ply roofing membrane available in two thicknesses: 1.2mm, and 2mm. All membranes can be either mechanically fixed or adhered.

The flexibility of Bailey Atlantic provides superior performance, with unrivalled support from design and specification to delivery of your design. Atlantic has successfully waterproofed thousands of buildings, including schools, hospitals, apartment buildings and commercial properties. More than one million metres squared of Atlantic has been installed worldwide. Projects benefit from the durable Atlantic system, backed by a comprehensive guarantee for total peace of mind.

Atlantic's strength, longevity, and speed and safety of installation result in major cost savings over other membranes. When environmental factors are considered, both in manufacture and recyclability, Atlantic is the most advanced, high performing and beneficial waterproofing membrane on the market.



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Trust the experts

Bailey Total Building Envelope is a long established company with over 45 years of experience and technical expertise in flat roofing.

Our commitment to providing a first class service starts by supplying high quality products, backed by expert technical assistance, from specification through to installation.

Why specify Bailey Atlantic?

With performance proven over three decades, you can trust Atlantic to deliver sustainable waterproofing backed by unparalleled technical support from our expert team.



Atlantic is an advanced Thermoplastic Polyolefin (TPO) single ply membrane, which meets the highest environmental and performance standards. Versatile and aesthetically pleasing, Atlantic delivers a low maintenance flat roof solution that is UV stable. Its durability and performance is backed by BBA Certification, which can be further protected with a guarantee from Bailey.

Design flexibility

The design flexibility of Atlantic makes it the obvious choice for specifiers, whether the requirement is for a new build or a refurbishment project. Being compatible with bitumen, Atlantic can be used to overlay existing felt or asphalt roofs quickly and easily.

Regardless of the specification considerations – whether complex detailing, thermal performance, longevity, refurbishment or aesthetics – our specification team will help you choose the right solution. With low whole life costs, low impact on the environment during use and ease of recyclability, Atlantic is a high performing, cost effective waterproofing membrane.

The benefits

- Low whole life cost
- Ease of detailing
- Longevity
- Robust guarantee
- Technical support
- Range of thickness and accessories
- Contains no poly-vinyl-chlorides (PVC)
- Adaptability
- Flexibility
- Flame-free
- Sustainable

As a TPO (Thermoplastic Polyolefin) single ply membrane, Atlantic has a host of benefits over traditional PVC.

Bailey Atlantic

Credential	Atlantic	PVC
100% Recyclable	●	●
No contamination in water run-off	●	●
Unaffected by UV light	●	●
Suitable for application in potable water areas	●	●
Can be rewelded at any stage in its life	●	●
Bitumen compatible	●	●
Easily disposed of	●	●
Root resistant without further protection	●	●
Chemically inert	●	●
Welding ability	●	●
Project cost	●	●
Lifetime stability	●	●
Aesthetics	●	●

Design and specification

Every vision for a project requires a watertight specification to turn it into reality.

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At Bailey, we have the solution to almost every flat roof situation. We advise involvement at the very earliest design stage of a project to ensure the best results.

Behind each and every Atlantic specification is the technical expertise of the specification team. We work closely with the architect taking into consideration wind loading, method of fixing, aesthetics of the building and interfaces with the eaves systems. This support and advice, complemented by our knowledge of the total building envelope, gives you the confidence to specify Bailey.

Bailey Atlantic

Product	Weight	Dark grey
Atlantic 1.2mm Single Ply*	1.2 (kg/m ²)	✓
Atlantic 2mm Single Ply*	1.9 (kg/m ²)	✓

*Other colours are available subject to a minimum quantity order.



Product Details

Atlantic is suitable for many applications, including:

- Flat and low pitched roofing areas
- Tanking and potable water
- Ballasted roofs
- Eco-Roof – Bailey's green roof product

Available in dark grey (nearest to RAL 7046, other colours available subject to a minimum order quantity), the membrane can also be installed with a seam profile to give a standing seam effect to echo metal roofing.

Mechanically fixed advantages:

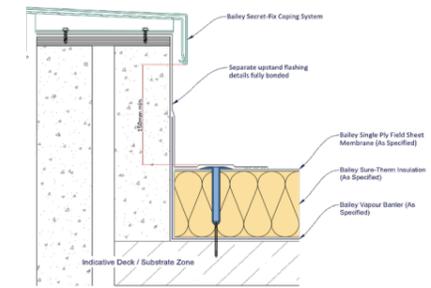
- High productivity
- Instant strength

Adhered advantages:

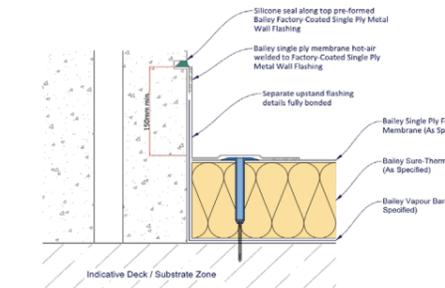
- Flat and smooth appearance
- High productivity
- Equal distribution of stress



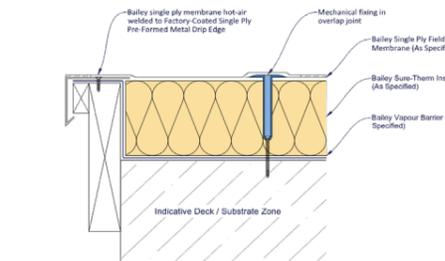
Parapet Wall Coping Detail



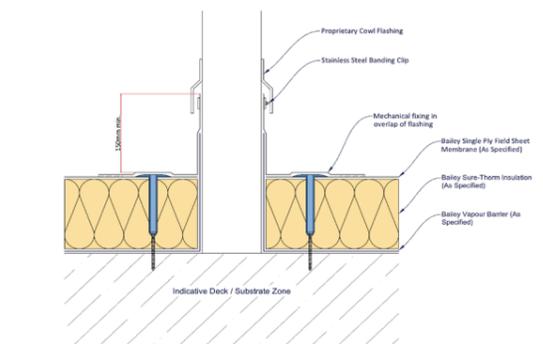
Upstand To Concrete Detail



Draining Edge Detail



Pipe/Penetration Detail



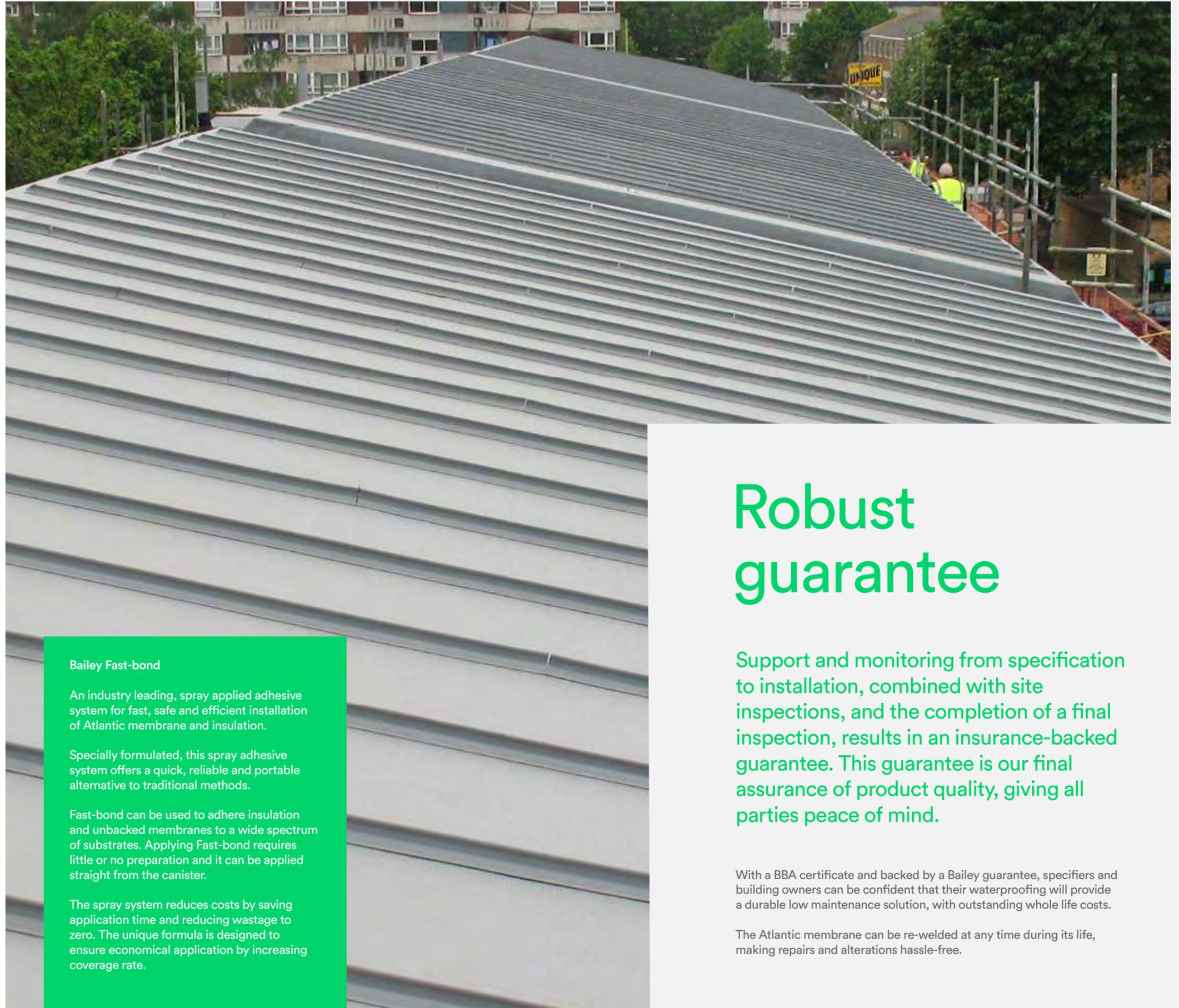
Installation

Bailey roofing systems are installed by a network of recommended specialist sub-contractors. Support is available throughout the project to ensure successful installation in accordance with the specification.

Atlantic is easy and fast to install. To ensure workmanship is up to our required standard of excellence, a series of site inspections are carried out during the course of the installation.

On completion of the project, prior to issue of the guarantee, a final inspection is carried out, usually accompanied by the client or their representative surveyor, to ensure a satisfactory result has been achieved.

Visit our website or get in touch to become a registered installer.



Bailey Fast-bond

An industry leading, spray applied adhesive system for fast, safe and efficient installation of Atlantic membrane and insulation.

Specially formulated, this spray adhesive system offers a quick, reliable and portable alternative to traditional methods.

Fast-bond can be used to adhere insulation and unbacked membranes to a wide spectrum of substrates. Applying Fast-bond requires little or no preparation and it can be applied straight from the canister.

The spray system reduces costs by saving application time and reducing wastage to zero. The unique formula is designed to ensure economical application by increasing coverage rate.

Robust guarantee

Support and monitoring from specification to installation, combined with site inspections, and the completion of a final inspection, results in an insurance-backed guarantee. This guarantee is our final assurance of product quality, giving all parties peace of mind.

With a BBA certificate and backed by a Bailey guarantee, specifiers and building owners can be confident that their waterproofing will provide a durable low maintenance solution, with outstanding whole life costs.

The Atlantic membrane can be re-welded at any time during its life, making repairs and alterations hassle-free.

The sustainable choice

With many clients looking for eco-friendly products to meet sustainability requirements, in specifiers' terms Atlantic is a single ply membrane that ticks all the boxes.

Atlantic is a TPO (Thermoplastic Polyolefin) single ply membrane, a new generation of environmentally neutral thermoplastic. Coupled with energy efficiency, longevity and recyclability, Atlantic is a truly sustainable roofing membrane.

Energy efficiency

The installation of Atlantic uses much less energy than traditional built-up roofing, as only one layer is required rather than three. In addition, welding with a hot air gun takes place at 500-600°C, compared with 1000-1200°C for the flames used with torches and boilers. Atlantic does not give off any carcinogenic fumes during the welding operation, which would be harmful to the environment and the health of the operator.

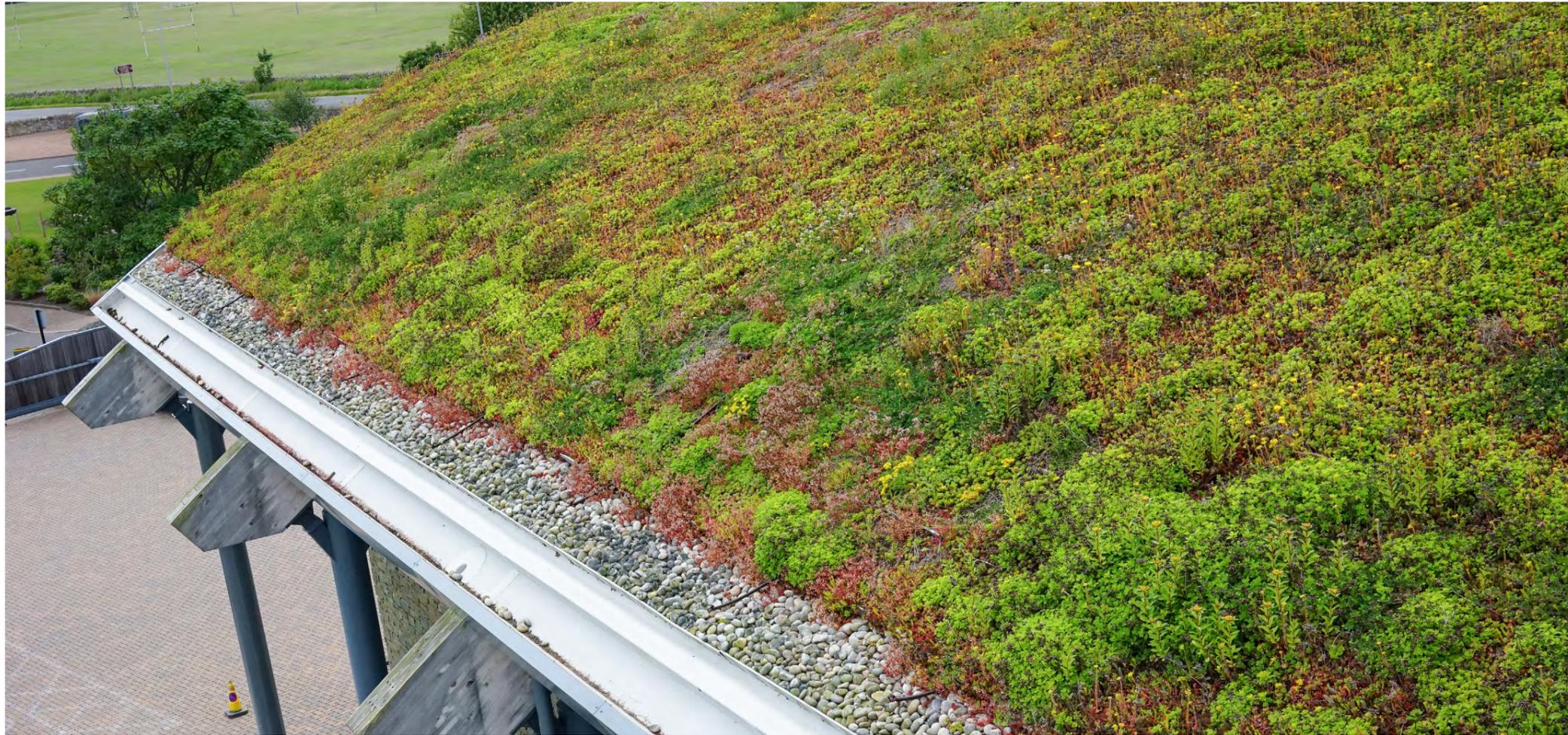
The Atlantic system has an excellent life span when compared with traditional flat roofing membranes, where it isn't prone to frequent replacement, saving on the use of further materials and energy. As Atlantic is bitumen compatible it can often be used to overlay an existing roof, rather than the roof being stripped, which significantly reduces the amount of debris going to landfill.



Green roof option

Green roofs and roof gardens complement the natural environment in addition to improving the thermal performance of your building and reducing carbon emissions.

Atlantic is root proof without further protection (FLL Factor), making it a great choice for using under Bailey Eco-roof.



The Fish Test

The 'Fish Test' as defined by DIN 38412 Part 31, involves the lining of a tank with a single ply membrane, which is then filled with water and Golden Orfe fish introduced. Bailey Atlantic is one of few membranes to pass this test, the purpose being to see how long the fish last. With Atlantic at the end of the test (24 hours) the fish are unharmed - where as with other single ply membranes the fish do not last for more than 2 hours.



Longevity

Due to the composition of PVC membranes, exposure to UV light causes 'plasticiser migration', resulting in a brittle membrane, which shortens the life span of the product. Being a TPO (Thermoplastic Polyolefin) single ply membrane, Atlantic contains no plasticisers and is unaffected by UV light, resulting in a life expectancy in excess of 25 years.

Environmentally neutral

The materials used in the manufacture of Atlantic contain no chlorides, fluorides or plasticisers, resulting in a completely environmentally neutral and chemically inert product. This means there is nothing in the product that can leach out into run-off water and thus contaminate water courses. Atlantic can safely be used for tanks containing potable water and in some areas has been certificated by the water authorities to this effect.

Recyclability

As Atlantic is not degraded or affected by exposure to UV light, the membrane can be fully recycled at any time in its life, including manufacture, installation and years after service. Furthermore, if a building with an Atlantic roof is demolished, the Atlantic membrane can be separated out and recycled.

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