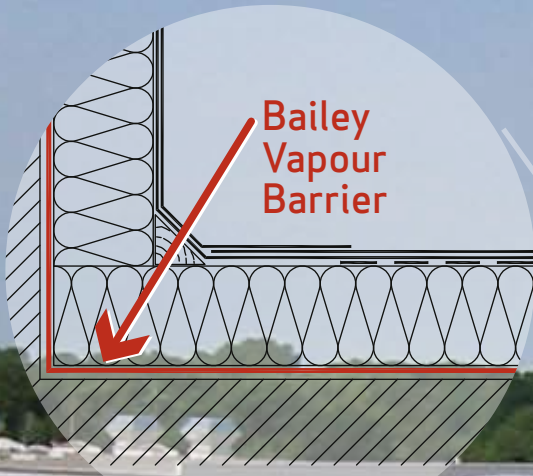




**BAILEY**<sup>®</sup>  
roofing systems



Issue number 1a

## Bailey Vapour Barriers

A CHOICE OF 3 QUALITY VAPOUR BARRIERS TO MEET DEMANDS OF SUSTAINABILITY, SAFETY, LOW COST AND SPEED OF INSTALLATION.

- High vapour resistance
- Aluminium and polythene cored membranes
- Self adhesive, loose lay and torch-on applications
- Solutions for single ply or bituminous felt roof build ups
- High puncture and tear resistance
- Cost effective
- Rapid and safe installation techniques

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# Bailey Vapour Barriers

A CHOICE OF 3 QUALITY VAPOUR BARRIERS TO MEET DEMANDS OF SUSTAINABILITY, SAFETY, LOW COST AND SPEED OF INSTALLATION.

## Bailey Laminar

An SBS modified, bituminous vapour barrier with an aluminium core. Laminar can be torched both sides, to bond to the substrate and for bedding insulation boards into the top surface. Alternatively it can be mechanically fixed, the laps sealed with a hot air gun and the insulation bonded to the sanded top surface using Bailey Sure-bond PU adhesive.

- SBS elastomeric modified bitumen
- Aluminium core
- Torch-on or hot air application
- Double sided – can be torched on both sides
- Sanded top surface – allows insulation to be bonded with adhesive
- Versatile product
- Suitable for high performance felt or single ply systems, loose laid, adhered or mechanically fixed.

## Bailey Duo-Vap

An elastomeric SBS bitumen based vapour barrier with an untearable reinforcement. Duo-Vap is self-adhesive on both sides with easily removable film, ensuring a rapid and safe installation.

- Self-adhesive and double sided – ensures perfect bond to substrate and insulation.
- Rapid installation
- Safe installation – no torch required
- Flexible membrane – absorbs substrate movement
- Extremely robust membrane, ideal for use over profile metal decking – resists foot penetration
- Suitable for single ply and bituminous systems loose laid, adhered or mechanically fixed

## Bailey Poly-Vap

A fully sustainable product, manufactured from 100% post-use polyethylene waste. 1000 gauge polythene has a high puncture resistance, providing a cost-effective vapour barrier solution.

- Manufactured from 100% recycled consumer waste
- High tear resistance – reduced damage during installation
- Loose laid – quick and easy to install
- Lowest cost option for mechanically fixed single ply systems (not suitable for bitumen or adhered systems)

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## Bailey Alu-Vap ★ COMING SOON

Self adhesive aluminum foil vapour barrier, suitable for mechanical fix and adhered applications.



# Excellence in flat roofing

BAILEY ROOFING SYSTEMS HAS BEEN INVOLVED WITH FLAT ROOFING FOR OVER 30 YEARS. FROM THE BEGINNING, THEIR COMMITMENT HAS BEEN TO SUPPLY ONLY THE BEST QUALITY MATERIALS, OFFERING THE LONGEST LIFE EXPECTANCY AND PERFORMANCE AVAILABLE. BAILEY'S RANGE OF PRODUCTS AND DEPTH OF KNOWLEDGE IN THE INDUSTRY ALLOW THE SPECIFIER AND CONTRACTOR TO SELECT THE SYSTEM BEST SUITED TO THE FLAT ROOF PROJECT.



## Bailey Commodity Systems

A range of SBS (styrene butyl styrene) and APP (atactic polypropylene) modified high performance torch-on felt membranes, forming a cost effective bituminous flat roof system. Suitable for use on flat and sloped/pitched roofs on both domestic and commercial projects and available in various coloured mineral and sanded finishes.



### Classic

SBS modified elastomeric bitumen membranes with polyester reinforced capsheet and glass fibre reinforced underlay. Achieving good cold temperature flexibility makes Classic ideal for use in colder weather conditions. Available with 10 or 12 year guarantee.



### System 12000

APP modified plastomeric bitumen membranes with polyester reinforced capsheet and glass fibre reinforced underlay. APP modification contributes a greater resistance to heat, resulting in absorption of thermal movement and enabling the felt to resist marking in warmer weather conditions. Available with 10 or 12 year guarantee.



### Classic Plus

A similar product to the standard Classic range, but with added thickness of SBS modified bitumen, permitting a longer term, 15 year guarantee.



### Bailey System 5000

A single layer, flame-free felt waterproofing system, installed using hot air, totally eliminating fire risk and providing a bituminous alternative to single ply membranes. System 5000 with its traditional mineral finish offers many benefits to both the client and contractor being rapid, safe and clean to install. Special SBS bitumen modification allows activation by hot air welding machines/guns and greater flexibility, absorbing substrate movement. System 5000 is suitable for use in warm and cold roof constructions on new build and refurbishment (including overlay) projects.



### Bailey Eco-Roof

One of the only entirely "green" systems in the market place. Intensive and extensive planting coupled with a sustainable waterproofing layer creates a roof which is both environmentally responsible and beneficial. Eco-Roof green roof systems offer the contractor a range of drainage products, growing media and application methods to meet the intended use and aesthetic demands of the project. Biodiverse (brown roof) systems, re-creating natural habitats lost to building can also be produced using standard Eco-Roof products. Conventional layered systems are offered to the contractor with optional pre-grown and established modules for faster installation.

## Bailey System 17000

A selection of superior quality, high performance torch-on felts, with the option of single layer or multi-layer waterproofing systems. System 17000 products are manufactured with an untearable spunbond polyester carrier producing flexible and resilient membranes with a life expectancy in excess of 30 years backed up by long-term guarantees. Additional products include anti-root additives for green roof applications and membranes with high compressive strength for structural waterproofing of podiums, basements, car park and bridge decks.



### System 17000

APP (atactic polypropylene) modified bitumen capsheet and underlay with resistance to breakdown by UV light and achieving BBA certification. Standard products include 3.0kg/m<sup>2</sup> underlay, 4.0kg/m<sup>2</sup> sanded capsheet and 4.5kg/m<sup>2</sup> green mineral capsheet with various other coloured mineral finishes to special order.



### System 17000 Plus

PAO (poly alpha olefin) modified single layer bituminous felt membrane, available as standard in a 5.2-5.6kg/m<sup>2</sup> green mineral capsheet, with various other coloured mineral finishes to special order. PAO modification combines the best properties of SBS and APP modified bitumen to create a membrane with excellent heat resistance and cold temperature flexibility. This single layer system is particularly suited to overlay projects in both cold and warm roof constructions but can also be used on new build and other refurbishment applications. With only one layer to install, System 17000 Plus is a competitive and rapidly installed waterproofing solution, achieving up to a 20 year insurance backed guarantee.



### Self Bond Underlay

A unique bituminous felt underlay developed using thermal adhesion technology. Self bond underlay can be loose laid over the substrate, with the laps sealed by torching. The operation of torching the capsheet to the underlay thermally transmits heat through the membrane, activating the adhesive on the base of the underlay, thus adhering the underlay to the substrate. This product reduces the amount of labour and materials required to complete the waterproofing, eliminates fire risk and enables a quicker, safer and more competitive installation. Self bond underlay can be used instead of the traditional torch-on System 17000 underlay, for 15 year guarantee systems.

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## Bailey Atlantic

Sustainable TPE (thermoplastic polyethylene) single ply membranes in varying thicknesses. No chloride, fluorides or plasticisers are used in the manufacturing process, totally eliminating the risk of run-off water contamination. Atlantic membranes are 100% recyclable at any stage in life and unaffected by UV light resulting in a life expectancy in excess of 40 years. The membrane can be repaired and re-welded to accommodate future alterations and is flexible, allowing absorption of thermal movement. Atlantic membranes are simple and easy to install, having excellent welding qualities due to a large welding temperature window and a memory enabling the membrane to be pre-folded and formed to suit awkward detailing. Atlantic is chemically inert and compatible with most other building materials including bitumen without the need for a separation layer when used in overlay situations.



### Atlantic

A 2mm thick, mid grey colour membrane with other colours available for large projects, certificated by BBA. Supplied as a fleece-backed membrane for bonded applications and unbacked for mechanically fixing, complete with square grid pattern finish which aids slip resistance. Suitable for use under green roofs and available with imitation standing seam profile or integrated PV solar panels.



### Atlantic EC16

A similar product to the standard Atlantic membrane, supplied in a lighter gauge, 1.6mm material in light grey (other colours available for large projects). Available as a plain backed membrane for mechanical fix applications only.



## Accessories

An assortment of innovative flat roofing tools, fixings and components to assist a swifter, safer and more efficient installation.



### Flow-therm

Quality and robust rainwater outlet and ventilation systems for flat roofs, manufactured from rigid polyurethane with integrated membrane flanges in Atlantic material, bituminous felt, PVC single ply and bespoke materials to special order.



### Sure-line

Pre-formed roof edging system available in 4 different profiles including a drip edge, watercheck, upstand and wall cover flashing. Produced from galvanised steel with a factory applied felt membrane, Sure-line brings an end to labour intensive detailing, enabling a rapid turn round of contracts.



### Sure-bond

One pack PU Adhesives for strip bonding or full surface bonding of fleece-backed membranes and most types of insulation to a variety of substrates. A manageable tin size, with regulating conical nozzle promotes a clean, economical application due to increased coverage rates. Included under the Sure- Bond brand is a specialist contact adhesive for bonding TPO single ply membranes to upstands and details.



### Vapour barriers

A choice of aluminium, polythene and bituminous vapour barriers to meet demands of sustainability, safety, low cost and speed of installation. Different application methods including torch on, loose laying and self adhering mean Bailey have a vapour control solution to all situations.



### Sure-Fix

Thermally broken tube washer fasteners and screws for fixing membranes, insulation and flashings to steel, timber and concrete decks. Pressure plates and pre-assembled fasteners for cold roof constructions are also available together with labour efficient installation tools.

## Complete waterproofing

Bailey having a long standing reputation for supplying quality waterproofing membranes and associated componentry, forming a complete waterproofing package including insulation, rooflights, vapour barriers, fixings, outlets and vents. Bailey's service doesn't stop there, but is backed up by an excellent technical and sales support service. Product training is offered, with on site monitoring and project policing combined with a full design and specification service, drawing on a wealth of experience in the industry, built up over many years.



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