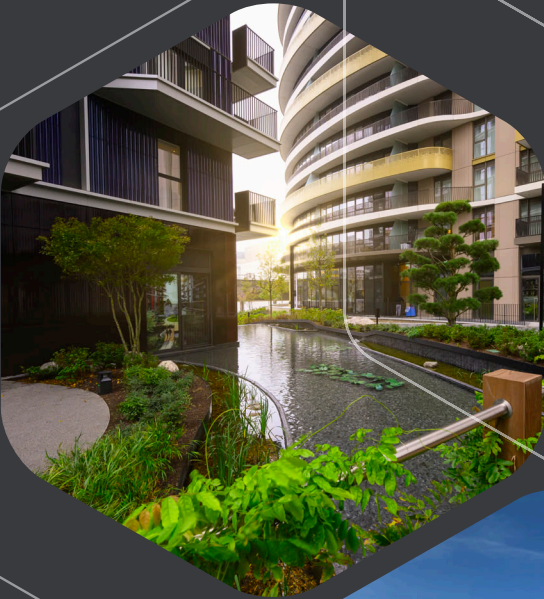


Roofing Solutions

Systems & Services Overview



Our Roofing Solutions

Alumasc is a leading provider of exceptional products and solutions for new build and refurbishment projects. We have a wealth of experience in dealing with key clients and customers across all building sectors to deliver a quality service from pre-planning through to completion.

Our portfolio includes a premium range of reinforced polymer modified bituminous waterproofing membranes, single ply membranes, hot melt structural waterproofing, cold applied liquid waterproofing, green roof solutions, stormwater management and a full range of complementary accessories such as building services supports and guardrail protection systems.



Bituminous Membranes

Our Derbigum and Eurorof systems comprise a premium range of reinforced polymer modified bituminous waterproofing membranes. Available in a variety of combinations and installation methods, they offer flexibility in product specification. Both systems meet the highest standards of certification and testing, with Derbigum membranes boasting a proven track record since 1967. CO₂ neutralising membranes are also available.



Hot Melt Waterproofing

Hydrotech MM6125 is a one-component, hot-applied, fully reinforced, flexible, self-healing hot melt monolithic membrane. Hydrotech is a special formulation of refined asphalts and synthetic rubbers with 30% recycled content. It has an unbeatable track record of more than 50 years and is subject to the highest levels of certification and testing. Applied in a liquid state to the substrate the bond is 100% absolute and seamless.



Cold Applied Liquid Waterproofing

Our fully reinforced Caltech systems are split into three product types, a single-component moisture curing polyurethane, rapid curing two-component systems based on a hybrid polymer formulation, and PMMA technology. They provide versatile solutions for flat roofs, walkways, balconies, and refurbishment of mechanically sound pitched roofs. Seamless and easy to detail, Caltech systems have a life expectancy exceeding 25 years, ensuring durable, long-term waterproofing.



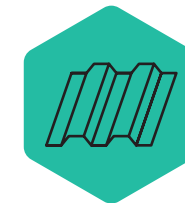
Single Ply Membranes

Aluply is a versatile range of multi-layered, reinforced 1.5mm PVC-P roofing membranes, designed to meet the demands of modern roofing projects. The system offers fleece-backed membranes for fully bonded applications and unbacked membranes for mechanical fastening, providing specification flexibility. Lightweight and highly flexible, Aluply ensures quick, efficient installation. Engineered for long-term performance, it has a service life exceeding 35 years.



Blue Roof Systems

Alumasc Bluroof systems comprise a single source, fully warranted waterproofing and sustainable drainage solution designed to alleviate flood risk by attenuating stormwater via controlled discharge over a 24-hour period at roof level. The key components include a geotextile filter fabric, geocellular void former, flow control outlets and overflow to ensure that the roof's integrity is preserved.



Metal Roofing Systems

Airtile metal roof tiles are designed to replicate the look of traditional slate. Made from Aluzinc steel, they provide strength, long-lasting performance, and are 100% recyclable. They can be installed on pitches as low as 5°, offer solutions for flat-to-pitch conversions, and are available in a variety of profiles and colours.

Metshield combines profiled metal sheets and composite panels for roofing and vertical applications. Panels feature a PIR or mineral wool core with coated steel for durability and aesthetics. Available in a range of colours with complementary accessories, Metshield is ideal for industrial buildings and warehouses.



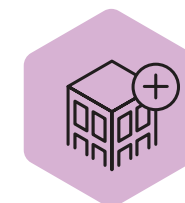
Green Roof Systems

Blackdown Green Roofs are available in Extensive, Biodiverse and Intensive systems, providing engineered living roof solutions fully compatible with Alumasc's warranted waterproofing ranges. They support sustainability, improve stormwater management and promote biodiversity, while also enhancing building performance and occupant wellbeing.



Solar PV Systems

Flat roofs provide an ideal space for solar panel installations. Our Solacell and Bio-Solacell non-penetrative PV mounting systems are suitable for a variety of applications, including both inverted and warm roof designs. They are designed to maintain the integrity of the Alumasc waterproofing beneath, ensuring it remains fully uncompromised.



Roofing Accessories

Roof-Pro offers non-penetrative, free-standing supports and access solutions tailored to project-specific requirements, fully warranted and designed to protect waterproofing integrity.

The Sure-Foot range provides lightweight, off-the-shelf supports for roof plant and services, including edge-protection systems to maintain health and safety standards.

Nelson Street, Belfast

Nelson Street in Belfast serves as a key hub for student accommodation, conveniently located near Queen's University Belfast and Ulster University, making it highly accessible for students. The development fosters a vibrant community, offering a range of modern living spaces, including purpose-built apartments and private rentals, alongside facilities designed to support both academic success and personal development.



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Client Brief

Alumasc Roofing was engaged to deliver a comprehensive, multi-disciplinary roofing solution, supported by a unified single-source, back-to-back warranty. The project's unique requirements involved the integration of both a blue roof system and sports surfacing.

The blue roof system plays a crucial role in helping the project meet Sustainable Drainage Systems (SuDS) targets in the Belfast area by managing stormwater and reducing the risk of flooding. Additionally, the tenants benefit from the inclusion of the sports track, which promotes physical activity and enhances overall health and well-being.

Alumasc held preliminary meetings to fully understand the project's scope, ensuring a tailored solution that aligned with the client's vision and budget. This proactive collaboration laid the groundwork for the successful execution of the project.

This project presented several challenges, including the need to accommodate both hard and soft landscaping finishes

on a compact 2,000m² site. High levels of water attenuation were required, making the blue roof system essential. Logistical challenges also arose due to the city centre location, necessitating efficient coordination of deliveries.

Additionally, achieving stringent U-value targets, managing insulation heights, and designing parapet upstands required careful planning and innovative solutions to meet the project's goals, including the need to achieve a fire classification of B_{ROOF(t4)}.

Solution

Alumasc's Derbigum Bluroof is designed to alleviate flood risk by reducing and controlling the peak rate of discharge, in compliance with design requirements. This facilitates the detention of stormwater up to a prescribed maximum hydraulic head for subsequent controlled discharge over an elongated period.

The Derbigum Bluroof system benefits from the combined expertise associated with Alumasc Roofing and Harmer

Engineered Drainage Systems; allowing a truly single source blue roof solution that is integral to a system of this nature. The Derbigum Bluroof system is fully BBA approved and Alumasc provide a service package that provides the client, specifier and end user with complete confidence in the integrity of the waterproofing and drainage solution, with Derbigum membranes boasting a life expectancy in excess of 50 years.

Working in Partnership

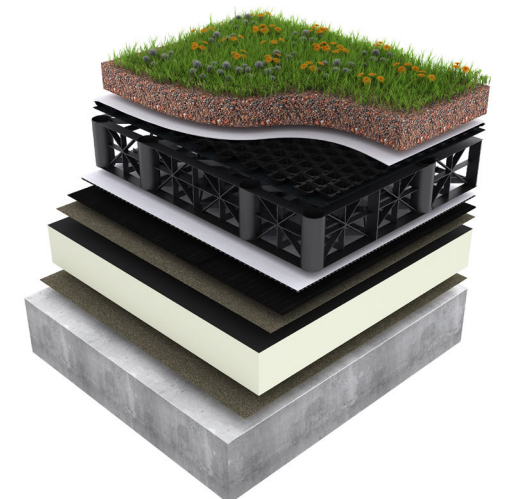
For over a decade, the strong partnership between Graham Construction, Tandragee Roofing, and Alumasc Roofing has ensured seamless project execution from start to finish. This long-standing collaboration has facilitated efficient project delivery, with technical and sales queries, including detailed wind uplift calculations, promptly addressed.

After successfully securing the project through a competitive tender, Tandragee Roofing efficiently installed a range of waterproofing systems and green roofs to meet the specific project requirements. Tandragee Roofing has a proven track

record of delivering projects with Alumasc Roofing across both the UK and Ireland.

The Alumasc team played a key role throughout the project's lifecycle, actively participating in initial design discussions, offering valuable insights, and providing consistent support from concept development to project completion.

Craig Begg, Director of Scotland and Ireland, says "Nelson Street serves as a great example of our system offering with unique finishes achieved to meet the client brief. Once again, the collaboration between Alumasc, Tandragee Roofing, and Graham Construction is on show at its very best".



Our Service Offer

Alumasc Roofing provides end-to-end project support, from initial design through to specification and installation. As both system designers and suppliers, we work in close collaboration with architects, consultants, and contractors to deliver fully compliant and performance-led roofing solutions tailored to each project.

Each roofing solution is carefully coordinated to comply with relevant Building Regulations, British Standards, and Alumasc warranty criteria. This ensures that all aspects of the system, from material selection to installation methods, meet the required performance, safety, and durability standards.

As part of our service, a dedicated Technical Manager is assigned to each project as the primary point of contact throughout. They oversee design coordination, manage internal resources, and ensure smooth project delivery. Clients benefit from ongoing communication and dedicated support from early project involvement through to completion, ensuring precision and efficiency at every stage.

Site Surveys

Comprehensive roof surveys form a key part of Alumasc Roofing's technical service, providing accurate data to support effective design and specification. Each survey assesses the existing waterproofing, insulation, and drainage performance, using moisture mapping and core sampling to determine roof condition and identify defects. Where access is limited, drone surveys can be carried out to safely inspect the roof.

Survey findings are compiled into a detailed roof condition report with recommendations to support accurate specification, and these include a full review of roof penetrations and interfaces, assessment of structural implications such as weight loading and wind uplift, fixing method guidance, and clear remedial actions. The report also outlines warranty terms, specifies the most appropriate waterproofing system for performance and budget, and recommends a trusted Alumasc registered contractor for installation.

Core Sampling: Small sections of the roof are removed to reveal its construction, allowing detailed analysis of waterproofing layers, insulation, and overall condition.

Moisture Mapping: Uses electronic scanning across the roof surface to detect trapped moisture, providing accurate data to prevent hidden deterioration and structural issues.

Drone: Uses high-resolution aerial imaging to inspect roofs where access is restricted or the deck is unsafe.

Specification Service

Alumasc provides designers and contractors with comprehensive technical support and on-site assistance across its full range of roofing systems. This includes project-specific specifications supported by thermal and condensation analyses, as well as wind uplift, rainwater flow, drainage falls, and carbon assessment calculations.



Registered Installer Network

Alumasc's waterproofing systems are installed by specialist subcontractors. As part of their support team, Alumasc maintains a UK network of registered installers who can provide pricing and carry out installation work for all types of new build and refurbishment projects.

Alumasc Registered Installers undergo comprehensive in-house and on-site training, and a register is kept of all carded operatives within the company. They are assessed for competence and suitability on specific project types prior to selection for tendering opportunities, and their financial stability is also evaluated. Alumasc ensures that Registered Installers receive hands-on support in applying all Alumasc products and systems, along with refresher training whenever required.

Installation Monitoring

Once roofing work begins, our experienced nationwide team of site technicians monitors and inspects the workmanship to ensure it meets our warranty criteria. They also provide progress reports, including any issues identified and recommended actions.

Product Certification

All core products hold British Board of Agrément (BBA) certification and are covered by Environmental Product Declarations (EPDs), with certain products also carrying FM approval. Relevant product groups are CE marked and are covered by European Technical Assessments (ETAs) supported by Declarations of Performance (DoPs) which are available on request, supporting transparency and compliance with industry standards.

Trade Associations

Alumasc are members of the following trade associations, demonstrating our commitment to industry standards and best practices: NFRC, BFRA, LRWA, GRO, SPRA, CPA.

Warranties

Alumasc provides a comprehensive range of warranties tailored to your system design and project requirements. Our warranties cover products, workmanship and design, with terms of up to 40 years.



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