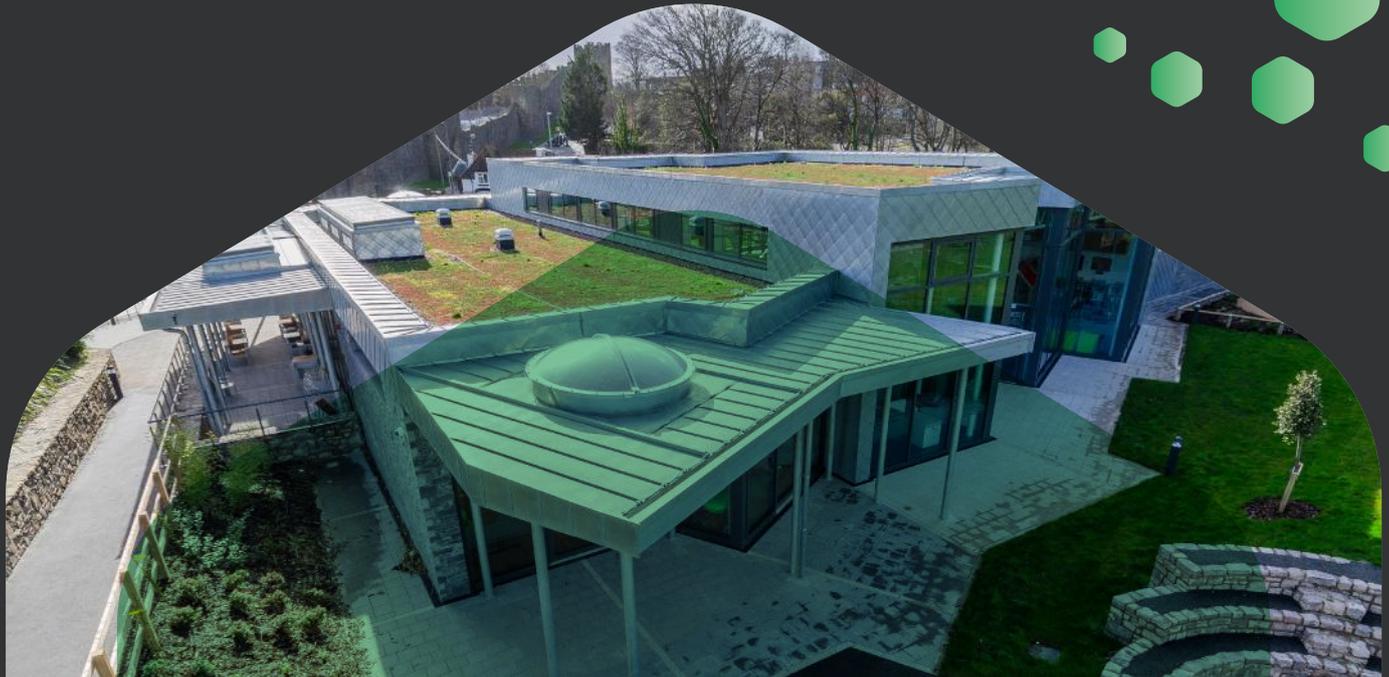




DERBIGUM BY ALUMASC

Membranes made to last



Your Complete Roofing Solution

Environmentally Focussed | Responsibly Sourced | Ethically Driven

Thank you for taking the time to visit us!

We want to introduce you to Derbigum by Alumasc, our membranes that are made to last.

Whilst roofing is notoriously not a place that people would describe as 'green' or 'environmentally friendly'...we do our best to give as much back to the planet as we can by selecting products that consider the environment, shaping the way we work, and selecting equally responsible partners who share the same values that we do.

This is why we have chosen to be the **UK & Ireland Exclusive Partner of Derbigum** for our membranes.

Since 1932, Derbigum has continuously invested in R&D to develop the most efficient recycling technology for bitumen – recycling is an integral part of Derbigum's DNA. They opt for a sustainable approach, by maximising the lifespan of their products, and recycle them at the end of their life.

Our Derbigum range of options each have unique environmental benefits - one contains **30% of recycled membrane**, one can **neutralise CO₂** and all are **100% recyclable**.

Did we mention that Derbigum bitumen membranes have a **proven lifespan of at least 50 years**? After this period, they can even be re-covered with a new Derbigum layer to give the roof an **additional 50 years of life**. As a result, the durability of the roof exceeds that of most buildings.

Couple that with our **35-year warranty** on Derbigum, it really is a no-brainer for us, and we hope for you too!

If you wish to hear more about us and the other positive changes we are making to work towards a better future, then please don't hesitate to get in touch with us at info@alumascroofing.com

Thank you again for your time.

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OUR REASON FOR EXISTENCE

‘To deliver long lasting roofing solutions, that consider our planet’



WHAT WE BELIEVE

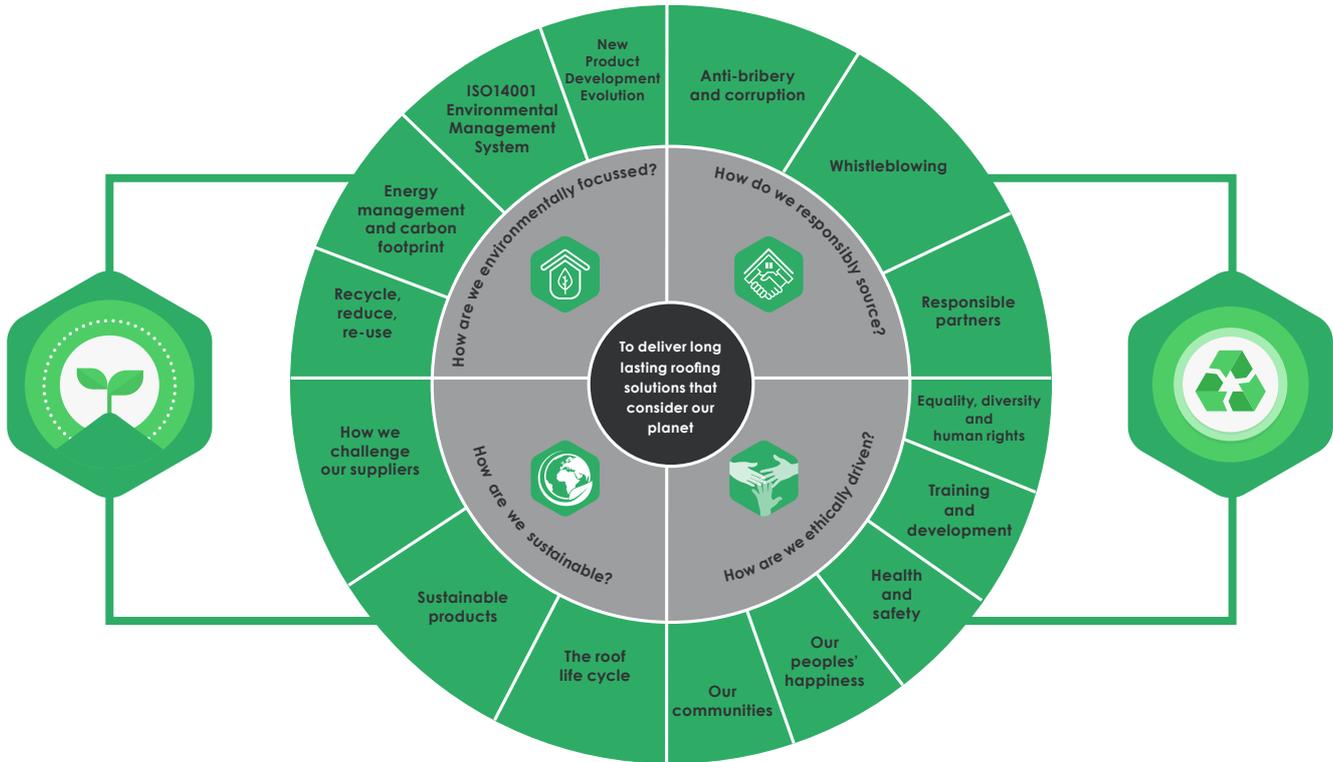
We stand for protect, preserve and respect in all that we do.

Be that for our people, our products, or the world we live in - to secure a prosperous future for all.

We don't just think of the here and now - we consider how we can make a positive difference to the world that follows us, by working with like-minded people who share the same beliefs that we do.

OUR COMMITMENT TO A PROSPERING FUTURE

Our strapline is not just a statement we make. It is the pillars we live, breathe and consider every day in our operations to ensure we give as much as we can back to the future that follows us.



WHAT MAKES US GREAT TO WORK WITH?

OUR PEOPLE



Like-minded individuals, with knowledge that spans a (roofs) lifetime.

We don't just have lots of knowledge - we are also really nice, honest people who will only offer what's right for you, and we don't switch off our phones or hide away when the going gets tough.

If you don't get an 'out of office' then rest assured, one of us will get back to you the same working day.

OUR SERVICE



With solutions that give a lifetime of protection, there's no problem that can't be resolved.

We are so confident about the durability and efficiency of our materials, that our warranties are amongst the best available.

Couple that with sound knowledgeable advice, bespoke reporting and technical support excellence, what more could you possibly want?

OUR SOLUTIONS



Some of the most durable roofing materials you will find - tested in-situ, not just in the laboratory.

We focus on durability, longevity and the roof life cycle in our offering, to make sure you get the most from our materials and we reduce the impact on the earth.

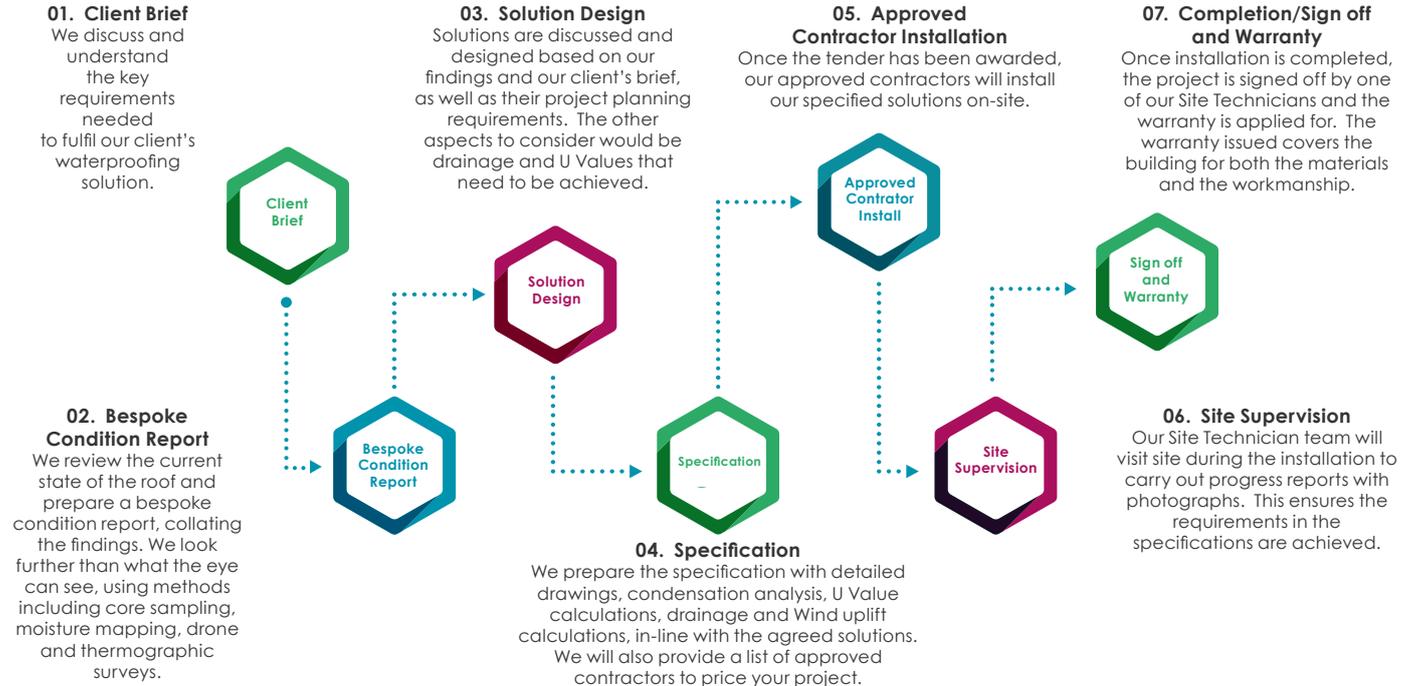
Our company policy is one of continuous research and development to further enhance levels of sustainability.

'Alumasc Roofing is the name above our door, but it's our people that make us who we are'

OUR TOTAL DESIGN SOLUTION FOR REFURBISHMENT

Issues can arise during project installation if certain details have not been designed, considered, or allowed for during initial design process, or occasionally - if the wrong solution has been proposed entirely.

For refurbishment projects, our experienced team will begin with a bespoke condition report of the roof's current state, and we then design a solution most appropriate to it's condition.



OUR TOTAL DESIGN SOLUTION FOR NEW BUILD

Our experienced New Build team will work with you to ensure that all details have been designed, considered and allowed for in the initial design process.

We will work with you from the early stages of design to ensure we offer the right solution for your project needs, and not what is right for us. We do this by providing our 'Total Design Solution'.

01. Client Brief

We consider and discuss the project requirements in conjunction with the client to provide a clear picture of the scope of works at the design stage.



03. Specification

We will provide specifications, detailed drawings, U-value, drainage, and wind load calculations in accordance with the agreed solution and continual support throughout as required. We will also provide you with a list of registered contractors to price your project.



05. Site Supervision

Our Site Technician team will visit the site during the installation to monitor progress which is fully documented in regular reports. This ensures the warranty requirements are met.



02. Solution Design

Practical solutions to deliver the right specification and guidance on common problems and how to avoid them are deliberated. Including building structure, design compliance, durability, energy efficiency, water management, and budget.



04. Registered Contractor Installation

Once the tender has been awarded, the contractor will attend a pre-start meeting with us at which the programme of works will be determined, and install our specified solutions on-site.



06. Completion/Sign off and Warranty

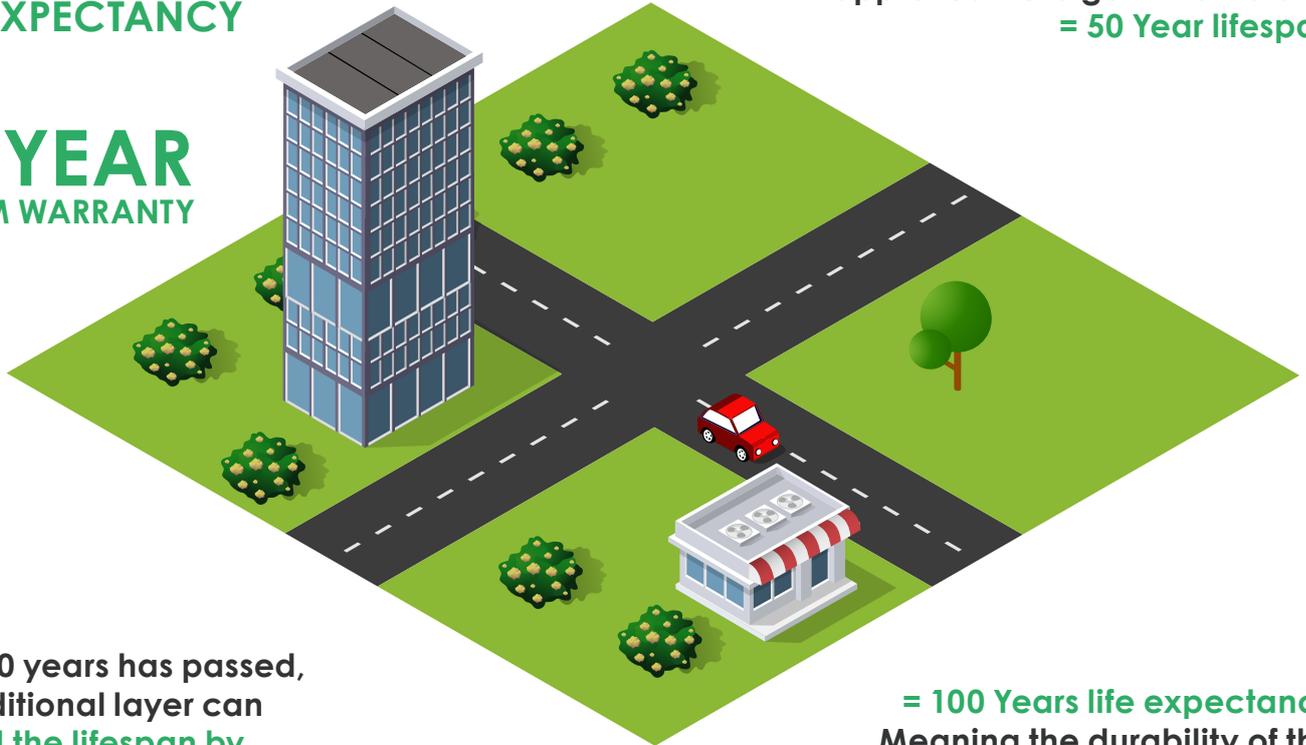
Once installation is complete, the project is signed off by one of our Site Technicians and the warranty is applied for by the contractor.

DERBIGUM, THE ROOF THAT LASTS A LIFETIME

50 YEARS
LIFE EXPECTANCY

35 YEAR
SYSTEM WARRANTY

Apply a new roof using BBA
approved Derbigum Membrane
= 50 Year lifespan



After 50 years has passed,
an additional layer can
extend the lifespan by
another 50 years

= 100 Years life expectancy
Meaning the durability of the
roof exceeds that of most buildings!

FLEXIBLE, SUSTAINABLE, DURABLE



100% Recyclable



Fire Rated to BROOF (t4)



Proven lifespan
of over 50 years



Excellent UV Resistance



Flexibility down to -15°C



Softening point up to +150°C

WHY DERBIGUM?

Alumasc offers environmentally focussed Derbigum Membranes, Olivine and NT options to both new build and refurbishment projects.

- ✓ 50 year lifespan (or 100 if you overlay with Derbigum after the initial 50 years)
- ✓ 35 year warranty
- ✓ 100% recyclable
- ✓ BBA approved
- ✓ Fire classification of BROOF (t4)
- ✓ Flame-free options 



Sustainable + Durable = Future-proof

DERBIGUM = ENVIRONMENTALLY FOCUSSED



Economic roof lifetime cost



Carbon footprint reduction



Reduce waste to landfill



Economically viable



**More efficient in labour, time,
and energy savings**



DERBIGUM NT

Derbigum NT is manufactured using **30%** of recycled materials.

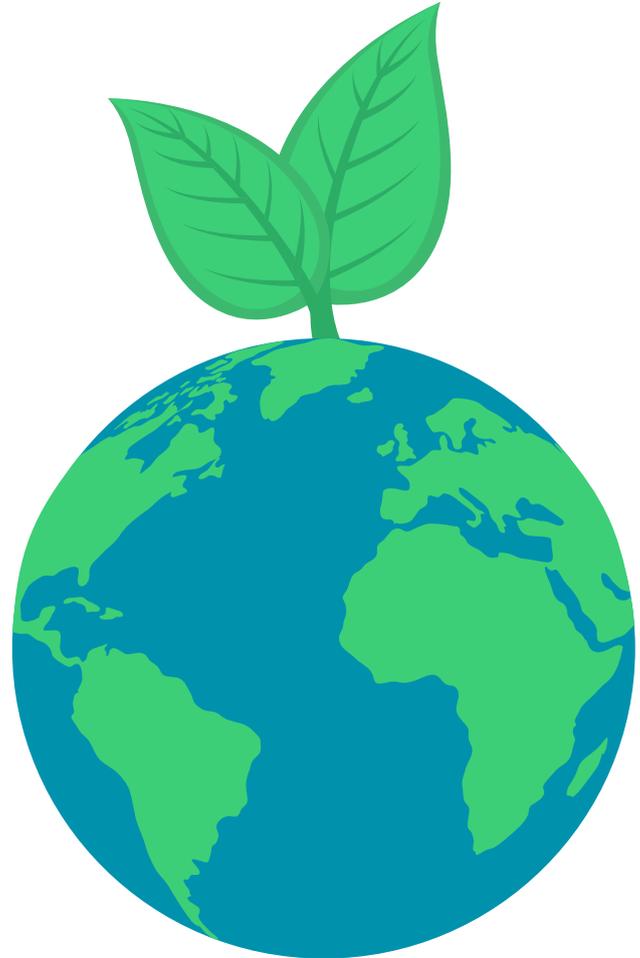
The specific formula blended with polymers gives exceptional, durable characteristics and is **100% recyclable** at the end of its life.

Where to specify?

- ✓ New Build
- ✓ Refurbishment
- ✓ Cold roofs
- ✓ Warm roofs (all roofing insulations)
- ✓ Overlay of existing waterproofing systems

Approvals

- ✓ BBA Roofing Systems Certificate No. 18/5563
- ✓ ATG Technical Approval Certificate No. ATG 3163
- ✓ Fire classification of **BR00F (t4)** in accordance with BS EN 13501-5
- ✓ Full EPD Environmental Product Declaration available



DERBIGUM OLIVINE

Derbigum Olivine is surfaced with a natural granule, a magnesium iron silicate.

The Olivine granules cause a chemical reaction in CO_2 in rainwater which converts it to silicon dioxide (sand) and magnesium carbonate, two products harmless to the environment.

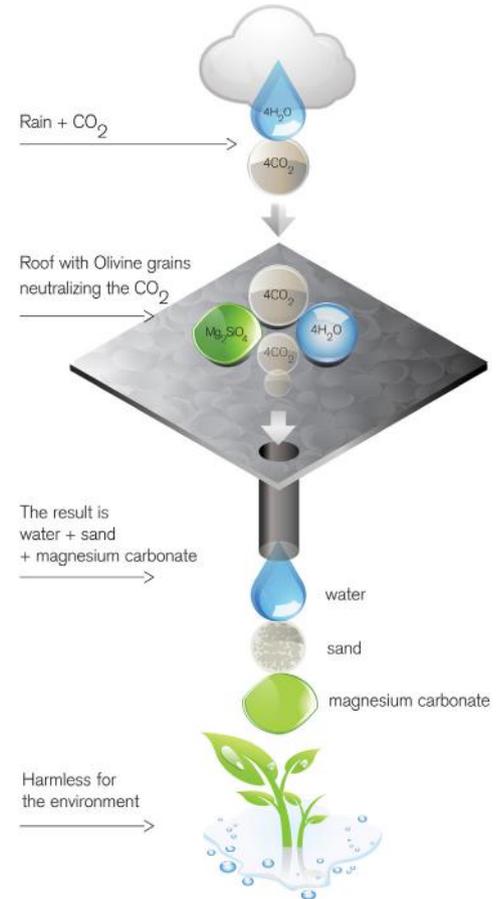
1m² of olivine will neutralise approx. 1.75kg of CO_2

Where to specify?

- ✓ New Build
- ✓ Refurbishment
- ✓ Cold roofs
- ✓ Warm roofs (all roofing insulations)
- ✓ Overlay of existing waterproofing systems

Approvals

- ✓ BBA Roofing Membranes Certificate No. 86/1593
- ✓ BBA Roofing Systems Certificate No. 18/5563
- ✓ Fire classification of BROOF (t4) in accordance with BS EN 13501-5
- ✓ Full EPD Environmental Product Declaration available



DERBIGUM MEMBRANES

An APP modified flat roofing membrane with a mineral surface, available in a charcoal finish.

Where to specify?

- ✓ New Build
- ✓ Refurbishment
- ✓ Cold roofs
- ✓ Warm roofs (all roofing insulations)
- ✓ Overlay of existing waterproofing systems
- ✓ Inverted roofs
- ✓ Green, Bio-diverse and Blue roofs

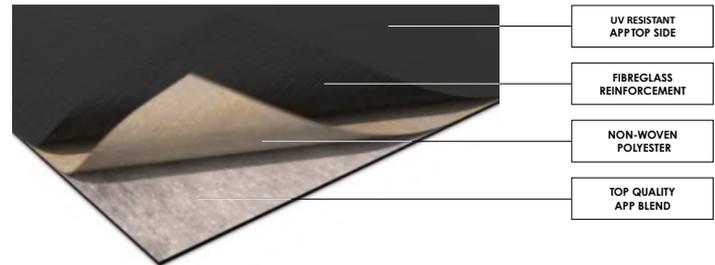
Approvals

- ✓ BBA Roofing Membranes Certificate No. 86/1593
- ✓ BBA Roofing Systems Certificate No. 18/5563
- ✓ Fire classification of BROOF (t4) in accordance with BS EN 13501-5
- ✓ Full EPD Environmental Product Declaration available



Membrane options

- ✓ Derbigum Black
- ✓ Derbigum Mineral
- ✓ Derbigum AR (root-resistant)



30+ YEAR OLD ROOFS STILL GOING STRONG

Alumasc Roofing's Derbigum bituminous membranes provide over 50 years durability with BBA certification confirming this.

We have looked back at some flat roofs that have been installed over 30 years ago which are still performing as if they were installed yesterday, from around Europe. This study was carried out in 2018.

Arcelor-Mittel, Dunkirk, 260,000m².
Install date: 1975



Arcelor-Mittel, Mardyck, France, 225,000m². **Install date: 1973**



Motor Parts, Sint-Pieters-Leeuw, Belgium, 3,000m². **Install date: 1983**



These projects demonstrate the undeniable strength, durability and peace of mind that has been provided to specifiers for almost 90 years.

DERBIGUM BY ALUMASC IN ACTION

Alumasc provides long lasting roofing solution for one of London's premier new addresses: The Whitehouse Apartments.

Boasting iconic views over the River Thames, taking in the London Eye, Big Ben, and the iconic Houses of Parliament, Waterloo's shining Whitehouse Apartments are iconic.

Standing fourteen stories tall among the Southbank, the impressive, polished residential buildings have been completed with state-of-the-art Alumasc Derbigum roofing.

Craig La-Thangue, Senior Contracts Manager at Acclaim Contracts, who installed the roof, explained,

“Our project at the Whitehouse Apartments was very enjoyable to complete, for many reasons, including the spectacular view, and of course working with Alumasc Derbigum membranes, as the high- quality product made the project run very smooth.”

Derbigum is a high-performance waterproofing membrane that carries a BBA certificate confirming its service life in excess of 50 years. It offers performance properties including excellent flexibility, fire ratings, strong

reinforcement and ease of application. Derbigum is ideal for warm roof applications; it's high melting point ensures it will remain stable even in the hottest weather. Alongside this, the polyester/glass fibre reinforcement within the membranes provide high tensile strength.

Giving specifiers and contractors peace of mind, Alumasc Derbigum membranes are manufactured in accordance with ISO 9001:2015 and ISO 14001:2015.

The project ran smoothly from start to finish: “The only obstacle was the sheer size of the project!” commented Craig. “Working with Alumasc is always hitch-free. We have worked with them on many other projects, and they always have been reliable. Even if there is an issue, it's sorted out quickly, efficiently, and professionally. It makes us feel very confident in both the company and the roofing products,” Craig concluded.



WHITEHOUSE APARTMENTS

DERBIGUM BY ALUMASC IN ACTION

Alumasc's carbon dioxide neutralising roofing helps NTU stay one of the UK's most environmentally friendly universities.

Alumasc's Derbigum Olivine **absorbs and neutralises CO₂** on contact, as it falls in rainwater. This ground-breaking technology has been used in the recent redesign and refurbishment of Nottingham Trent University's Clifton Campus Library, which now features over 1000m² of Olivine, providing a waterproof, BBA approved roofing solution.

As one of the UK's most environmentally friendly universities, NTU has a reputation to uphold. As well as teaching the effects of positive actions towards the environment, NTU decided that the best way to reinforce the importance to their students was to demonstrate it in their campus buildings.

M & J Roofing installed the membranes, after it was identified as the most appropriate waterproofing solution that would also offer the sought after added environmental benefits.

"Alumasc Derbigum Olivine roofing contains a naturally occurring mineral upper layer that irreversibly neutralises CO₂ that falls in rainwater, on contact," explains James Donovan from Alumasc. **"When the rainwater rolls off the roof and eventually reaches the drains, it's carbon-free. The olivine grains decrease in size with each reaction, however are large enough to last 30 years plus before having completely reacted. It's construction industry science at its finest!"**

The membrane itself is guaranteed for 35 years, carrying the longest British Board of Agrément (BBA) durability statement in the UK. It's high melting point and polyester/glass fibre reinforcement provide high tensile strength and dimensional stability even in the hottest weather.



**NOTTINGHAM
TRENT
UNIVERSITY**

DERBIGUM BY ALUMASC IN ACTION

A CO₂ neutralising roof? Dundee University chooses the environmental benefits of Olivine by Alumasc Roofing.

One of the busiest buildings at the University of Dundee was able to benefit from a complete replacement of its waterproof roofing with Alumasc Derbigum Olivine roofing membranes, after its current roof was found to be in very poor condition.

After receiving specifications from Alumasc, the client decided to take the opportunity to install a high-quality roofing solution that would also contribute positively to the environment in Derbigum Olivine.

“Olivine membranes are extremely special,” explained Permatop Roofing Director Jim McVeagh, who headed up the project. **“Olivine is a highly effective, durable waterproofing solution for roofs which also actively purifies the air by neutralising CO₂ in rainwater.”**

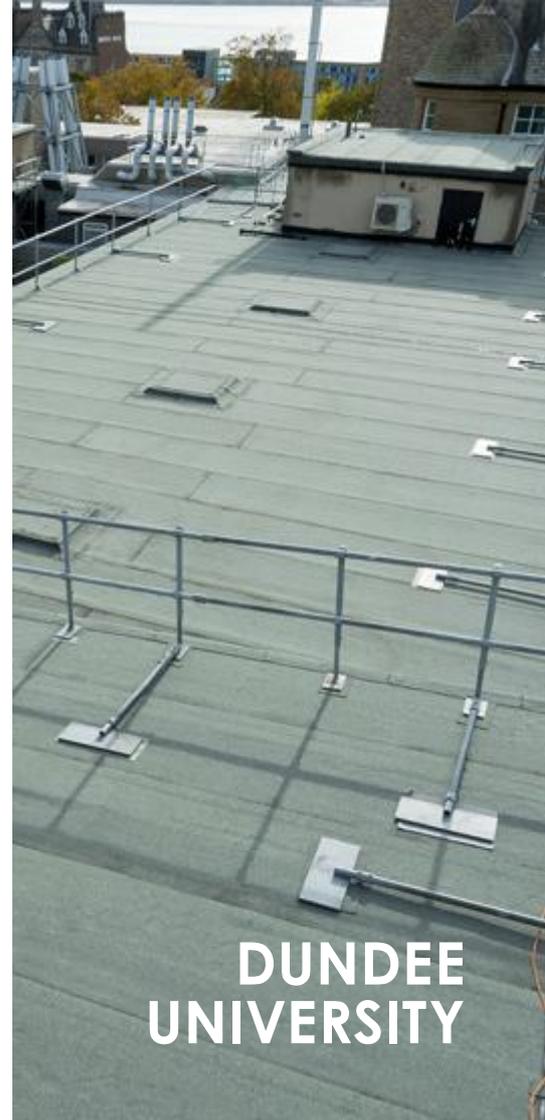
Olivine membranes use a naturally occurring mineral upper layer that neutralises the most prevalent greenhouse gas via an irreversible chemical reaction when it comes into contact with rainfall. This technology

was developed with the objective of contributing positively to the on-going challenge that climate change poses.

The Olivine grains within the membrane decrease in size with each reaction, however, once installed, clients can rest assured that they'll continue to work for up to 30 years before the grains will have completely reacted. Each membrane is **100% recyclable and British Board of Agrément (BBA) approved.**

1m² of Olivine granules have the capacity to neutralise 1.75kg of CO₂, meaning over its 30-year lifetime, this 600m² project could potentially absorb nearly 1050kg of CO₂.

“Personally, I think the technology that goes into Olivine is amazing,” Jim commented. **“Anyone who chooses to install Olivine on their rooftop is actually doing something positive for the environment, while also ensuring a high quality, built-to-last waterproof solution for their roof. It couldn't be easier, so why not?”**



**DUNDEE
UNIVERSITY**

DERBIGUM BY ALUMASC IN ACTION

BREEAM Excellent certified Conwy Culture Centre contributes to a green future with a new Alumasc roof.

Sensitively designed to keep a low profile in its exceptional surroundings, the new Conwy Culture Centre has recently opened its doors to the public.

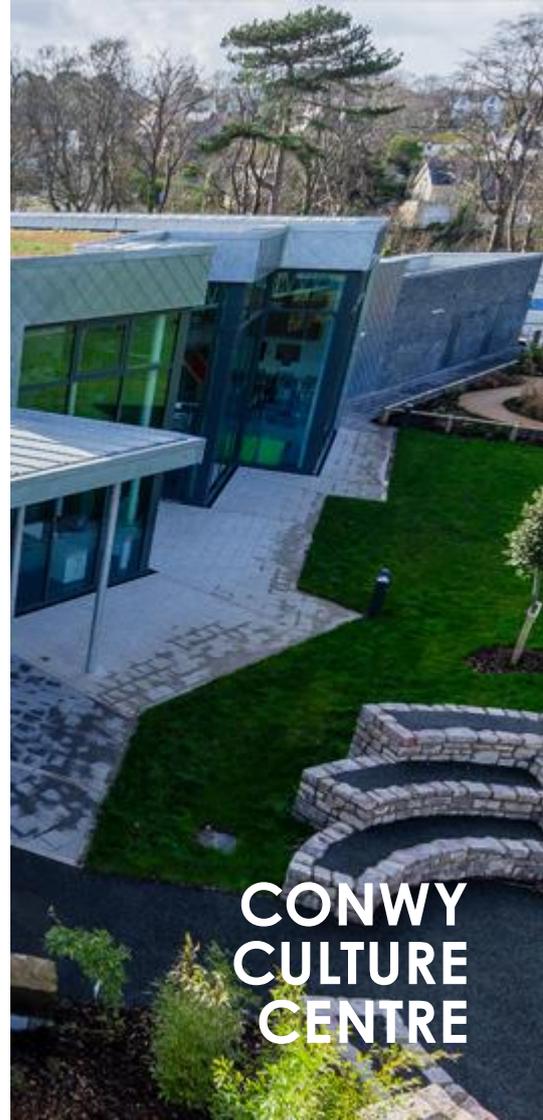
Alumasc provided a complete roofing solution which included the waterproofing and green roof system. Alumasc Blackdown's extensive sedum green roof provides a variety of planting, generally comprising drought tolerant succulents such as sedum, rockery, and alpine plants.

"It was important for the Culture Centre to create a serene environment that would break the barrier between nature and building," explained Matthew Davies, Area Technical Manager at Alumasc Roofing. **"Meeting the BREEAM Excellent certification standard was paramount,** and the installation of a green roof was a vital step on this path. The building now has a high level of insulation; another way that a green roof can help a building become more sustainable.

People using the centre will find that it is cooler in the summer, warmer in the winter and overall, less energy may be used internally."

Beneath the greenery, Derbigum high-performance membranes were also specified to ensure a completely watertight installation. The bituminous membranes can be used with a variety of insulation choices including PIR, mineral wool, and extruded polystyrene to suit specification and U-value parameters.

"We worked with 200mm of pre-bonded PIR, which provided the flexibility and easy application we needed for the project," Matthew said. "Derbigum offers enhanced performance properties including excellent flexibility, fire ratings, strong reinforcement and ease of application, so it's an extremely popular choice. Critically though, they have a **50-year BBA durability approval with use at zero-falls.**"

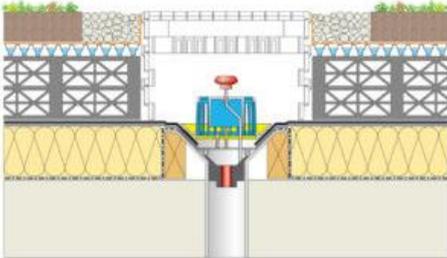


DERBIGUM BY ALUMASC IN ACTION

Alumasc's Derbigum BluRoof, combined with Blackdown Greenroofs and Landscaping combine to provide a sustainable solution for Redcliff Quarter in Bristol.

Redcliff Quarter is a bustling new neighbourhood for Bristol, bringing together restaurants, a 4-star hotel, offices and apartments. The 600,000 sq ft development has an urban artisan design reflecting the area's industrial heritage. The architecture includes wider pavements, rooftop and courtyard gardens, balconies and terraces, targeting BREEAM excellent ratings for the commercial buildings.

Derbigum Blue Roof System:



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 retention of stormwater in the green roof layers complements the detention of stormwater by the blue roof, providing valuable additional drainage capacity.

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.

Green Roof and Landscaping:

Blackdown Greenroofs installed a combination of extensive sedum green roofs, intensive green roofs, paving on terraces and podiums and over the Alumasc Derbigum BluRoof. Blackdown also installed the bespoke papyrus coloured powder coated planters, with integral hard wood seating. They were specifically designed to make the roof spaces a recreational asset to those living in the apartments. Planted with mixed herbaceous, shrubs and trees, the hard and soft landscaping areas provide the perfect place to relax.



ABOUT ALUMASC ROOFING

Our range of flat roof systems, waterproofing, green and blue roof solutions are ideal for any new build or roof refurbishment project. Our unrivalled range of BBA Certified flat roof systems are backed by:



- ✓ Happy and helpful on-site and office-based technical support people
- ✓ Materials application by our trained Alumasc Registered Contractors
- ✓ Committed to continuous improvement through our ISO9001 Quality Management System and ISO14001 Environmental Management System standards
- ✓ Extended warranties, as we are confident of our material's durability!
- ✓ Post-project handover package for all you need to know
- ✓ After-sales support service, should you need us in the future!



Proud to have received London Stock Exchange's Green Economy Mark



The portfolio includes [Derbigum](#) and [Eurorof](#) flat roof membranes, [Hydrotech](#) hot-melt structural waterproofing, [Eurorof Caltech](#) and [Caltech QC \(Quick Cure\)](#) cold applied liquid roofing, [Alkorplan](#) single-ply membranes, [Blackdown](#) green roofs and a full range of complementary accessories such as [Sure-Foot](#) guardrail edge protection systems and [Roof-Pro](#) building services supports.

Alumasc Roofing also provide roofing solutions that are perfect for projects where there is limited construction depth or problematic spacing such as [Alumasc Ytherm Vacuum Insulated System](#).



ALUMASC
ROOFING

Your Complete Roofing Solution

Environmentally Focused | Responsibly Sourced | Ethically Driven



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