



KING'S ROAD PARK PHASE 1

WATERPROOFING: Hydrotech, BluRoof & Blackdown Green Roof

PROJECT SIZE: 4,000m²

PROJECT LOCATION: London



BluRoof
STORMWATER MANAGEMENT SYSTEMS

BLACKDOWN
ROOF & PODIUM LANDSCAPING
By Alumasc Roofing

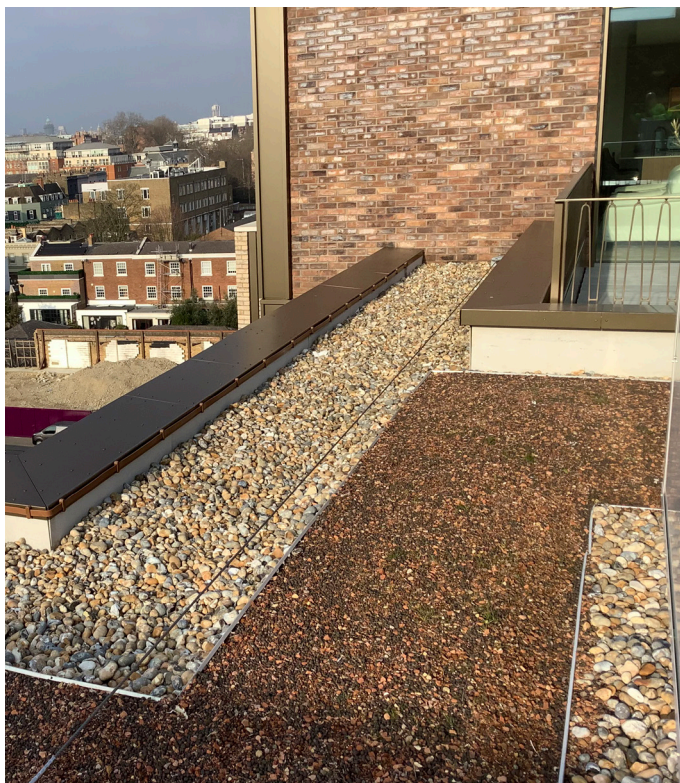
Your Complete Roofing Solution

Environmentally Focussed | Responsibly Sourced | Ethically Driven



ALUMASC
ROOFING

KING'S ROAD PARK PHASE 1, LONDON



Project Overview

King's Road Park is a 17.35-acre redevelopment project in Fulham featuring 24 building plots. It will deliver 1,800 private and affordable homes set within 2.7 hectares of newly created public spaces, including a public park that preserves the world's oldest gas holder.

Alumasc was appointed to deliver the waterproofing on Phase 1, which includes the construction of 345 apartments spread across three buildings, complete with a private landscaped podium garden and ground-level commercial space.

Client Brief

Driven by a strong commitment to sustainability and innovative design, Berkeley Homes embarked on the King's Road Park project with a clear vision. They sought a durable and flexible waterproofing system that would guarantee the building's longevity and support their commitment to sustainability, as well as meeting design challenges with ease and efficiency.

A key element of the project was its strong emphasis on promoting and enhancing biodiversity within the urban environment. The design incorporated a blue-green roof to align with the Sustainable Drainage Systems (SuDS) strategy developed by the civil engineering team.

Solution

After a thorough assessment of the project specifications, we identified our Hydrotech Hot Melt System, BluRoof Stormwater Management System, and Extensive Green Roof System as the optimal solution. This approach leverages Caltech QC Detail to form complex details, such as balustrades and pipe penetrations.

Hydrotech has a proven track record for durability, exceptional waterproofing capabilities, and its design to last the lifetime of the building structure. With over 50 years of global use and zero product failures, Hydrotech has

consistently demonstrated unparalleled reliability, making it the perfect choice for this project.

By combining a blue and green roof, it creates a highly efficient, multifunctional roofing system that brings together the advantages of both water management and environmental sustainability. The BluRoof is designed to alleviate flood risk by attenuating stormwater via controlled discharge over a 24-hour period at roof level. Whilst green roof systems retain rainwater through plant absorption and provide replacement of lost habitats through the introduction of natural vegetation.

Collaboration

In this recent collaboration, Alumasc Roofing, EPR Architects, Berkeley Homes, and AYM Services combined their strengths to deliver an exceptional residential development. Early engagement and working in transparency was fundamental to ensure that the correct waterproofing solution was specified and design challenges were resolved.

Paul Webb, Contracts Manager, AYM Services says "I have worked in conjunction with Alumasc for a number of years on numerous projects and was pleased that I would be working with them again on the King's Road Park Project. AYM commenced the waterproofing works in 2021 and completed phase 1 in 2024, we are working on phases 2 & 3 at present. Alumasc Technical and AYM carried out the waterproofing design, Alumasc Customer Services have processed orders efficiently and organised logistics, always being very helpful and finding ways of overcoming problems along the way."

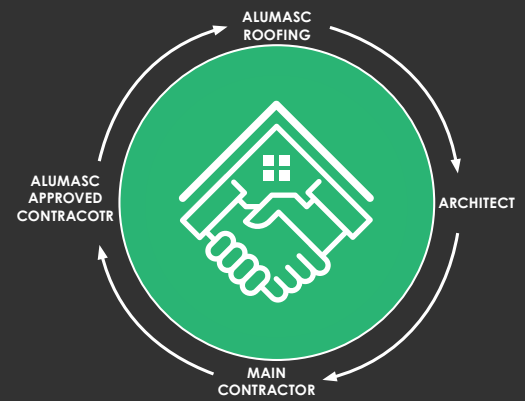
The King's Road Park project is a testament to the effectiveness of early-stage involvement, comprehensive planning, and sustainable design. Alumasc's innovative waterproofing solutions, commitment to sustainability, and collaborative approach ensured the success of this ambitious development.

Project Information

Architect: **EPR Architects**

Main Contractor: **Berkeley Homes**

Alumasc Registered Contractor: **AYM Services**



Specified system

Hydrotech

Hydrotech is a special formulation of refined asphalts and synthetic rubbers with 40% 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.

Surface finishes of choice

LO-k Water Flow Reducing Layer (WFRL)

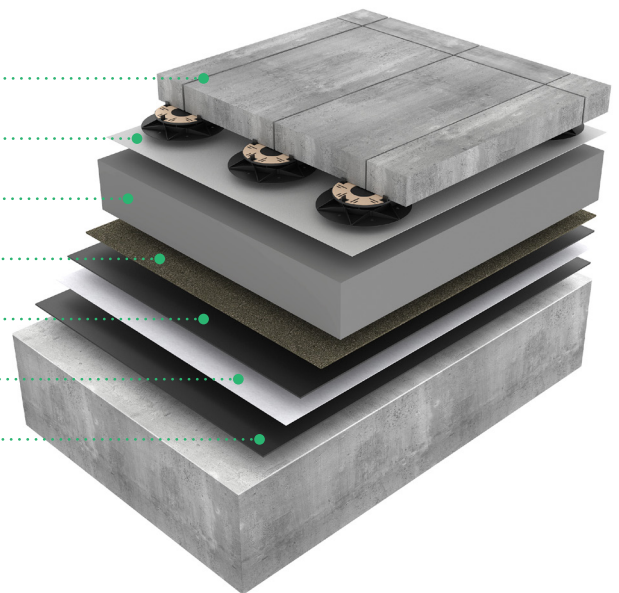
XPS Insulation or Class A fire rated alternative

Hydrotard Protection Sheet

Hydrotech MM6125

FlexFlash F (polyester reinforcement)

Hydrotech MM6125



Features & Benefits

- ✓ Completely monolithic, no seams
- ✓ Dynamic crack bridging certified
- ✓ Can be used to designed zero falls
- ✓ Facilitates phased construction
- ✓ Accommodates structural movement
- ✓ Durability - service life of the building
- ✓ Fire classification **B_{ROOF}(t4)**
- ✓ Warranty cover up to 40 years

Approvals

- ✓ BBA Certificate No. 90/2431
- ✓ ETA Certificate No. 20/0907



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Specified system

BluRoof with Extensive Green Roof Finish

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.

Blackdown Specialist Substrate

Blackdown Drainage Layer & Filter Sheet

BluRoof Void Former

Hydrodrain FC6

LO-k Water Flow Reducing Layer (WFRL)

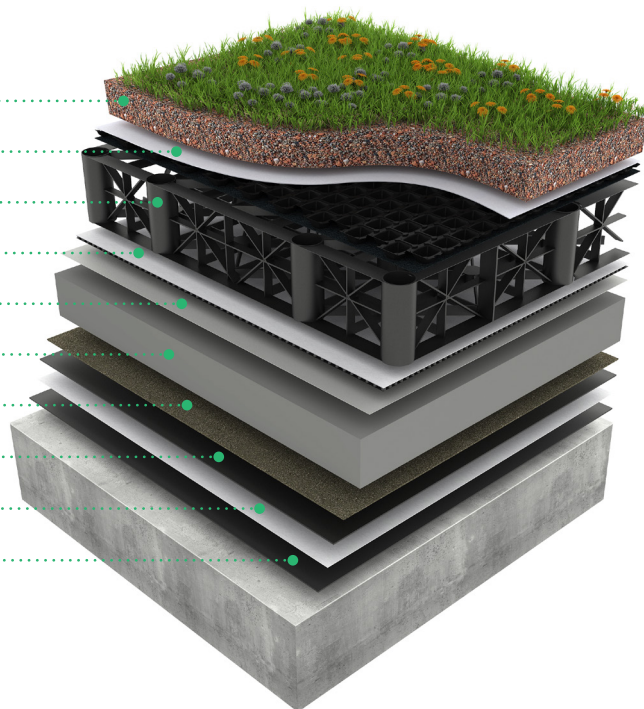
XPS Insulation or Class A fire rated alternative

Hydrogard 40 AR Protection Sheet

Hydrotech MM6125

FlexFlash F (polyester reinforcement)

Hydrotech MM6125



Features & Benefits

- ✓ Single source solution
- ✓ Alleviates flood risk
- ✓ Replace or replicate habitats
- ✓ Durability - service life of the building
- ✓ Warranty cover up to 35 years
- ✓ Accommodates structural movement
- ✓ Facilitates phased construction
- ✓ Completely monolithic, no seams

Approvals

- ✓ Hydrotech/BluRoof Monolithic Membrane 6125 - BBA Certificate No. 90/2431



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