



Alumasc's Derbigum BluRoof, combined with Blackdown Green Roofs and Landscaping provides a sustainable solution for Redcliff Quarter.

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 Roofs & Landscaping:

Blackdown Roof & Podium Landscaping installed a combination of extensive sedum green roofs, intensive green roofs, paving on terraces, 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.

Alumasc Roofing provided design assistance throughout all architectural, structural and drainage engineering stages. The technical team worked closely with the Main Contractor providing further assistance throughout construction stages. Blackdown worked with both the Main Contractor directly as well as via Span Roofing who carried out the roofing installation sub-contractor package. Alumasc Roofing's site monitoring technical teams carried out regular site visits to ensure compliance with the warranty and that codes of practice were observed through to completion.

One system supplier, one point of contact, one waterproofing installation team and Blackdown Roof & Podium Landscaping provided a single source solution to the successful completion of the works thus limiting potential split responsibility.

For more information on our range of roofing solutions, services, and technical expertise
contact@alumascroofing.com | www.alumascroofing.com



Redcliff Quarter, Bristol