

Your Complete Roofing Solution

Environmentally Focussed | Responsibly Sourced | Ethically Driven



Pall Mall Press, Liverpool

The development, designed by Falconer Chester Hall, signifies a transformative addition to Liverpool's skyline, delivering 336 apartments for the build-to-rent (BTR) sector. Spanning 282,617 square feet, Pall Mall Press is a striking 22-storey tower featuring a mix of studio, one, two, and three-bedroom apartments.

The design, characterised by a concrete frame and brick façade with punch windows, seamlessly integrates into the existing urban environment. Sustainable elements, such as green roofs, rainwater recycling, solar panels, and well-lit interiors to minimise reliance on electric lighting, are key features of the development. Alongside addressing the demand for local housing, the project includes retail space and a private garden terrace for residents.

Client Brief

Our client required a durable, high-performance waterproofing and insulation solution to ensure long-term protection and enhanced energy efficiency. We specified our Alumasc Hydrotech Hot Melt waterproofing system for the main roof and recreational terrace areas. For the inset balconies, we utilised our reinforced bituminous membrane, Derbigum Black, and our Caltech QC cold-applied liquid system to waterproof the complex detailing.

To complement this waterproofing system, we incorporated XPS and cellular glass insulation. XPS provides high compressive strength and moisture resistance, while cellular glass offers superior fire resistance and thermal performance. This comprehensive approach meets the client's needs for a resilient, efficient, and sustainable solution.

Durable Solutions

With Alumasc's extensive waterproofing product portfolio, we can utilise various technologies to provide fully compatible waterproofing solutions that excel in both durability and performance. Hydrotech delivers a monolithic, seamless membrane that ensures watertight integrity for the lifetime of the building, while Derbigum offers robust bituminous waterproofing with excellent resistance to weathering and UV radiation. Both systems are BBA certified and hold fire classification of BROOF (t4) in accordance with BS EN 13501-5.

Cellular glass insulation, renowned for its fire resistance and impermeability, offers superior thermal performance and protection against thermal bridging. When combined with our hybrid waterproofing system, these insulation materials contribute to a highly efficient building envelope, enhancing both energy efficiency and structural integrity. This combination ensures the building remains protected, well-insulated, and energy-efficient, delivering optimal performance and longevity.

The successful integration of these systems not only meets the stringent requirements set by the client but also contributes significantly to the overall efficiency and sustainability of the Pall Mall Press development. The use of innovative waterproofing and insulation solutions underscores the project's commitment to creating high-quality, resilient housing that benefits both residents and the broader community.

This case study highlights the importance of using advanced materials and techniques in modern construction to achieve durable, sustainable, and energy-efficient buildings.

Hydrotech and Derbigum's advanced membranes are redefining sustainable building solutions. Both are dedicated to environmental responsibility, providing products that meet stringent fire resistance standards and incorporate high levels of recyclable content.

Renowned for their durability and performance, these products contribute to waste reduction and resource efficiency through their recyclable materials. These innovations promote sustainable construction practices.

Teamwork

In this recent collaborative project, Alumasc, Falconer Chester Hall, Graham Group and Primeseal, combined their strengths to deliver an exceptional residential development. Falconer Chester Hall's expertise in innovative and sustainable design seamlessly integrated with Graham Group's proficiency in high-quality construction and infrastructure. Together, we alongside our trusted contractor Primeseal Roofing created a build that not only boasts contemporary aesthetics and functional design but also adheres to the highest standards of sustainability and safety. This partnership exemplified how meticulous architectural planning, robust construction capabilities, innovations and skilled workmanship can come together to exceed client expectations, resulting in a landmark development that sets new benchmarks in the industry.

Project Data:

Architect: **Falconer Chester Hall**

Main Contractor: **Graham Group**

Alumasc Registered Roofing Contractor: **Primeseal Roofing Ltd**