

**Your Complete Roofing Solution**

Environmentally Focussed | Responsibly Sourced | Ethically Driven



# Battersea Power Station

Battersea Power Station is at the heart of central London's largest visionary new development. The vast 42-acre site is a former industrial brownfield site, now the home to a community of over 250 shops, cafes, restaurants, theatre, hotel, medical centre and nineteen acres of public space, including 450 metres of river frontage and a six-acre park. The £9bn project sees the creation of a vibrant, mixed-use development including a new office district with over 3 million sq. Ft of commercial space, alongside new private and affordable homes.

## Brief

The project design was divided between two architect practices, Foster and Partners and Adamson Associates. Both designs played a key part in the regeneration of zones 3A and RS4 of the Battersea site.

The redevelopment included a residential area and high street, known as The Electric Boulevard, situated south of this instantly recognisable landmark.

The goal was to create a neighbourhood that connects into the historic fabric of the city of London, but one that has its own identity. The architect's vision was to create a humanistic environment that feels good to live and visit.

## Collaboration - A Key To Success

After the completion of several successful projects across London's iconic landmarks, including the Shard and Canary Wharf, Fosters and Partners and Adamson Associates approached the Alumasc team to provide a single source solution for the whole roofing design.

After careful planning and detailing, two complementary products from our portfolio were the perfect solution to delivering the vision. Hydrotech Hot Melt from Alumasc waterproofing system and our Extensive Green Roof would deliver imaginative design complete with durability.

During the extensive planning stage, our collaborative approach with both architectural teams and our registered contractor VolkerLaser, meant the team resolved numerous complex detailing elements across the varied roof zones. Specifically, the soft and hard landscaped podium, which was the central focus to the design.

## Lifetime Performance

With zero failures in over 50 years worldwide, Hydrotech Hot Melt from Alumasc offers lifetime performance. Designed for use across all building sectors, primarily in new build construction, this unrivalled system comprises of a one-component, hot-applied, fully reinforced, flexible, self-healing hot melt membrane, a range of bituminous protection sheets, insulation boards and ancillary products.

Subject to the highest levels of certification and testing. This fully warranted, BBA and European Technical Approved system is manufactured to last the lifetime of the structure to which it is applied.

Using 40% recycled content, Hydrotech Hot Melt from Alumasc is applied in a liquid state, complete with a special formulation of refined asphalts and synthetic rubbers for a 100% seamless bond. Therefore, avoiding any chance of water tracking. Its monolithic nature ensures no possibility of lap failures and is ideal for the expansive podium required at the Battersea site.

In addition to its impressive performance, the system requires little maintenance. In terms of installation, it is fast and simple to apply, especially over complex roof details like those at Battersea, so time on site is significantly reduced.

Unlike other methods, the system is extremely versatile, and not weather dependant, it can be laid at extreme temperatures (down to -18°C for winter installations).

## An Environment That Considers Our Planet

The architects wanted to provide a humanistic environment that evokes a sense of wellbeing by incorporating landscaping across the roof areas.

Modernistic in its approach, our Extensive Green Roof solution is used for lightweight roof decks, inaccessible roofs, or flat and sloping roof spaces.

With stunning visual aesthetics, the introduction of roof landscaping creates a positive impact to the wellbeing of the users, encouraging social interaction as well as playing a key role in providing a positive environmental impact.

Its lightweight construction and shallow substrate, provides versatile range of planting options, comprising of succulents such as sedum, rockery, and alpine plants, which provide ecological benefits by reducing environmental impact with air purification and the reduction of CO<sub>2</sub>.

Easy to install, the Blackdown extensive green roof is different to other systems, as they do not require a permanent irrigation system. Another advantage is that general maintenance is kept to a minimum.

## Futureproof Design

The inspiring regeneration of Battersea Power Station, showcase's the world's best architects and designs. Creating a unique environment for a vibrant community. A combination of our ground-breaking products, careful planning and a 35-year warranty, together we have delivered a design that will be used and enjoyed by residents and visitors for many years to come.

