

Your Complete Roofing Solution

Environmentally Focussed | Responsibly Sourced | Ethically Driven



Sony UK, Bridgend

Technology giants Sony need no introduction, their products and innovations have dominated the global market since their humble beginnings in 1946.

Their purpose is to fill the world with emotion, through the power of creativity and technology, to create a society in which everyone can live with peace of mind in a healthy global environment. So, when Sony earmarked the installation of 1mw of PV to help supply green energy required to supplement their factories power needs, it was essential that a recognised and tested roof specification was installed to protect the building.

Client Brief

Over 15,000m² of the factory flat roof space has been allocated for the installation of photovoltaics and the Alumasc technical team got to work on the first stage of 2,550m² that covered the administration block at the Bridgend site.

With a 30-year life expectancy of the solar panels, the brief was to ensure the longevity of the supporting roof, supply a system that required minimal maintenance and keep within budget. After extensive surveys across the site, the Alumasc team identified the existing waterproofing was installed over 30 years ago, although still effective the team needed to ensure longevity of the building going forward and increase the lifespan of the roof top.

After close consultation with the surveyor JLL and the client, the proposal was to upgrade the existing roofing system with Alkorplan by Alumasc.

Solution

Used throughout the world for over four decades, Alumasc's Alkorplan range consists of thermoplastic PVC-P roofing membranes, ideal for lightweight fast-track construction.

Suitable for new construction or refurbishment projects it can be installed by mechanical fastening, bonding, or ballasting.

Versatile and durable, the system has been expertly designed to handle hot and cold temperatures as well as harsh weather conditions.

By using this system, Alumasc were able to provide a specification that covered critical detailing to limited spaces and the need for an external trim finish that would complement the existing buildings black façade. In addition, the Alkorplan system provided a charcoal pvc coated metal that could be used for the perimeter to meet the client's needs.

To future proof the construction and to give the client total piece of mind the Alkorplan system comes with an impressive 20-year warranty

Challenges

Timescales were of major importance for this project, the client stated the building needed to be operational with a 6-week schedule. Thanks to the single-ply membrane, the installation process was quick and simple compared to other systems.

Even with 2 weeks of wet weather, the team, supported by our registered installer Proseal Roofing, the installation of the project was completed within the deadline.

Teamwork

Alumasc were chosen for this project due to their professional reputation and local technical support. The relationship continues and has led to Alumasc and Proseal being given the go ahead to start work on the second phase of this huge project.

