

**Your Complete Roofing Solution**

Environmentally Focused | Responsibly Sourced | Ethically Driven



# Swansea University

Swansea University, nestled along the picturesque Welsh coastline, boasts a diverse and vibrant campus with several iconic buildings at its heart. The Glyndwr Building stands as a hub of innovation and research excellence. Meanwhile, the Talbot Building symbolises the university's commitment to cutting-edge technology and engineering studies, providing state-of-the-art facilities.

The Singleton Park Library is a haven for knowledge seekers, offering a vast collection of resources and serene study spaces overlooking lush greenery. Additionally, Technium 1 serves as a launchpad for entrepreneurial endeavours, nurturing start-ups and driving economic growth in the region. These distinctive buildings collectively define Swansea University's dedication to academic excellence, research innovation, and community engagement.

## Solution

Swansea University has demonstrated a strong commitment to reducing CO<sub>2</sub> emissions and addressing climate change. Reflected in its dedication and implementation of strategies to address sustainability, environmental responsibility, and its role in combatting climate change.

After achieving multiple successful installations of our products within the campus, the university clearly expressed a strong commitment to maintaining their ongoing usage and growing the relationship with AlumasC.

## Products

The campus project was split over 4 buildings covering over 7,000m<sup>2</sup> in total.

Singleton Park Library, Glyndwr Building, Talbot Building and Technium 1 underwent extensive renovations, during which we employed a synergy of Derbigum Olivine and Alumasc Rooflights systems. These selections not only guaranteed exceptional waterproofing but also carried BBA certification. Notably, Derbigum Olivine boasts one of the lengthiest warranties available in the market, offering a 35-year warranty and an anticipated lifespan of up to 50 years, surpassing the typical lifespan of most structures.

Derbigum Olivine stands as an eco-conscious innovation, designed to significantly reduce carbon dioxide emissions. This unique solution is built on a foundation of CO<sub>2</sub>-neutralising APP/TPO plastomer modified, composite-reinforced bituminous waterproofing membrane. It consists of various components, including underlays, insulation boards, air, and vapour control layers, topped with a naturally occurring mineral layer that causes a reaction with rainwater-borne CO<sub>2</sub>. This ingenious process neutralises pollutants, converting them into environmentally benign elements.

Each square meter of Olivine can capture around 1.75kg of CO<sub>2</sub>. This roofing innovation is 100% recyclable, reducing environmental impact. Derbigum Olivine offers flexibility, robust fire ratings, strong reinforcement, and ease of application. It excels in warm roof applications and maintains stability even in high-temperature conditions. Its high tensile strength further highlights its comprehensive excellence.

Incorporating Alumasc Rooflights introduced more natural light into the building. This simple yet effective architectural feature offers numerous benefits, including increased energy efficiency by reducing the need for artificial lighting during the day. Additionally, it enhances the overall aesthetic and ambiance of the interior space, promoting a healthier and more comfortable environment for occupants. The rooflights also contribute to a sense of openness and connection to the outdoors, further enriching the indoor experience.

## Project Management

What set this project apart was its expansive scope, requiring meticulous segmentation into numerous continuous phases. Each phase had to be precisely timed and executed to ensure accuracy and success.

Our challenge was to carry out construction on an active educational site, adhering to phased deadlines set by the client, all while contending with nesting seagulls, adding an extra layer of complexity to the project.

Our comprehensive single-source warranty package is complemented by exceptional service. We go beyond by conducting multiple surveys and meetings to ensure the customers' needs are met. Our team provides robust tender support, assisting throughout the process.

We also conducted thorough pre-start meetings, leaving no room for ambiguity or unforeseen issues. Our commitment to excellence and customer satisfaction is evident in our meticulous approach, ensuring a seamless experience from start to finish.

With our expertise and dedication, our aim is to exceed expectations and deliver solutions that stand the test of time.

