

Deyes High School, Liverpool



AT A GLANCE

Challenges

- Multiple trades on-site
- Weather extremities
- Live school site

Contract

- Mar 2023 - Oct 2024
- Bauder Bakor Hot Melt, BTRS, BIODIVERSE Green Roof & SOLAR G LIGHT
- 3,762m² total area

PROJECT

Deyes High School, part of the Lydiate Learning Trust in Maghull, Liverpool, is a state-of-the-art net zero carbon secondary school funded by the Department for Education (DfE) and the first to feature bio-solar technology. Designed with sustainability in mind, it incorporates photovoltaic panels, hybrid natural ventilation, and air source heat pumps while offering enhanced student wellbeing through sports facilities, nature trails, and wildlife habitats. LRL collaborated with Kier to install a seamless Bauder Bakor hot melt system, ensuring exceptional waterproofing, UV resistance, and integration with the hybrid bio-solar solution to achieve its net zero carbon goals.

SUSTAINABILITY

The Bauder Bakor hot melt roofing system, with its monolithic, self-healing, and UV-resistant properties, ensured long-lasting durability and fire safety with a Broof (T4) rating and CPPI certification. The bio-solar roof combines renewable energy generation with biodiversity, supporting local wildlife with native plants while reducing energy costs and contributing to the school's Net Zero Carbon in Operation status. Enhanced thermal performance further reduces energy usage, leaving a lasting environmental impact.

LIVE SCHOOL

This flagship project faced unique challenges, with the original school remaining operational on-site until its scheduled demolition in 2025. Working within a live school environment required stringent safety protocols and close coordination with other trades to ensure the safety of students and staff while minimising disruption to daily activities.

