

SYBIL ANDREWS ACADEMY



BAUDER BUILDING BOARD

Project:	Sybil Andrews Academy
Location:	Bury St. Edmunds, Suffolk
Roof Area:	5,000m ²
Client:	Suffolk County Council
Project Manager:	Concertus Design & Property Consultants
Approved Contractor:	GRM Roofing
PV Installer:	Chelsfield Solar

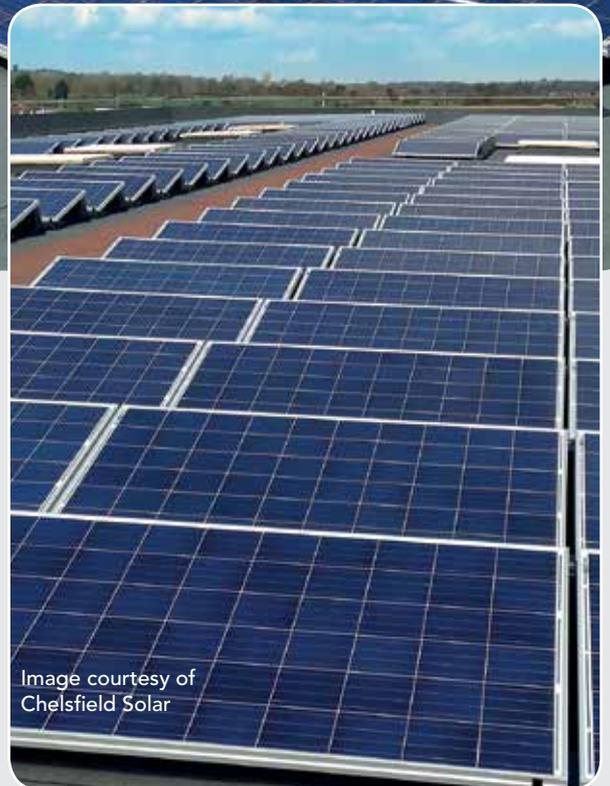


Image courtesy of Chelsfield Solar

APPLIED PRODUCTS

- K4E is a bituminous capping sheet with a life expectancy in excess of 30 years.
- 313 BauderSOLAR PV modules were fitted, achieving 79.82kWp.

A brand new school on the outskirts of Bury St. Edmunds in Suffolk was built to accommodate 1,600 students. The project was designed and managed by Concertus Design & Property Consultants on behalf of Suffolk County Council, who wanted the school to act as a benchmark for sustainability with the building's roofs playing an integral part in achieving this through the inclusion of solar panels.

Working closely with the architect and the client, Bauder developed a bespoke specification package that was designed to maximise the solar output from the available roof space and satisfy all relevant local planning conditions. Four buildings on the school's campus were waterproofed with over 5,000m² of Bauder's reinforced bitumen system, Bauderflex, by approved installer GRM Roofing, before having 313 PV modules fitted by Chelsfield Solar; enabling the client to generate at least 74.32 Megawatt Hours of solar power each year.

BAUDER

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DELIVERY TEAM INSIGHT



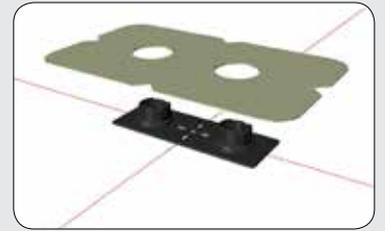
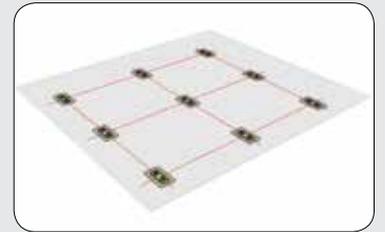
Paul Denton
Sustainability Engineer -
Concertus Design & Property
Consultants

The Specifier and Project Manager

- Bauder's comprehensive system portfolio of waterproofing and solar solutions made the specification process straightforward, as we were able to select an integrated roof and PV system that could be delivered from a single source supplier. Having an all-inclusive guarantee was another key driver for the client and it has provided them with complete confidence in the roof's future performance.

Bauder went above and beyond its duty throughout, assisting further down the supplier chain to ensure an integrated and fully collaborative programme. Since completion, we are now looking for other opportunities to implement solar elsewhere on the school's campus.

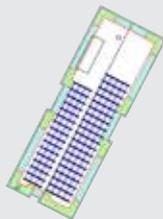
BauderSOLAR Flat Roof Installation



Adrian Clayton
Sales Manager -
Chelsfield Solar

The PV Installer - Our job is made a lot easier by other parties involved in delivering a project. Being a Bauder approved installer we know that we will be supplied with all the relevant design information throughout and that the workmanship of the roofing will be of the highest quality when we arrive on site. These logistical elements and quality expectations are crucial on a project like this where rigorous deadlines have been set.

The solar installation was simplified by the fixing method used for the PV system, which involves a non-penetrative membrane-to-membrane bonding technique. This highly effective and time efficient method meant that the entire array could be fitted on the two school buildings in under three days, saving the client valuable time and money.



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