

THE WALNUTS SCHOOL



BAUDER BUILDING BOARD

Project	The Walnuts School
Location	Hazeley
Roof Area	2,000m ²
Roofing Contractor	Voland Asphalt Ltd.
Specifier	Architectural MK



APPLIED PRODUCTS

- Thermofol 1.5mm single ply membrane has high tensile strength of over 1100N and can be guaranteed for up to 20 years depending on system type.
- XF301 is a lightweight, easy to maintain sedum blanket that provides instant greening to the roof.
- PIR insulation has the best insulation rating of all widely-used flat roof thermal insulation materials.

CHALLENGE

The client wanted the roof of this new building to not only be of the highest quality but also designed to be aesthetically pleasing and echo the ethos of the school based upon respecting your environment. Insulation needed to be incorporated into the roof build-up in order to satisfy building regulations and work hours had to be agreed to keep disruption to a minimum. The work also had to be completed to strict deadlines to ensure that the school would be open in time for the start of its inaugural term at its new location in Hazeley.

SOLUTION

Due to the building's exposed location, wind uplift calculations were performed prior to work commencing, making sure the new roof could resist extreme weather conditions. Bauder's high quality single ply PVC system, Thermofol, was specified because it is robust, has a life expectancy in excess of 30 years and is suitable for extensive green roof landscaping options. The system build-up included Bauder's 100mm PIR FA-TE insulation for superior thermal performance, ensuring the roof achieved the required 0.25 U-Value. Despite design and logistical challenges, the new roof system was delivered on time and to budget with all deliveries scheduled as not to conflict with vehicles moving in and out of the facility.

BAUDER

UNITED KINGDOM

Bauder Limited
70 Landseer Road, Ipswich, Suffolk IP3 0DH, England
T: +44 (0)1473 257671 E: info@bauder.co.uk
bauder.co.uk

IRELAND

Bauder Limited
O'Duffy Centre, Cross Lane, Carrickmacross, Co. Monaghan, Ireland
T: +353 (0)42 9692 333 E: info@bauder.ie
bauder.ie