

## TCRC Case Study: Brookside Academy, Somerset



### Complete Warm Roof Upgrade for Prestigious Academy Building

Brookside Academy offers specialist education provision for pupils up to the age of 11. It provides a unique setting where experienced staff, excellent facilities and high expectations are key to ensuring all children can achieve their potential.

When the flat roof on this prestigious academy required upgrading, TCRC were chosen to work in partnership with manufacturers Garland in order to provide a tailored solution that would improve performance in three key areas: waterproofing, drainage and thermal insulation.

#### Bespoke Tapered Warm Roof System

A Garland bituminous membrane system was specified for this project, incorporating innovative tapered insulation and self adhesive, full-bond technology. The system offered a 20 year guarantee and featured a number of Garland's high performance membranes, including vapour control layer, underlay and cap sheet. These membranes were chosen due to their safe, efficient installation along with their ability to provide tough, long-lasting waterproofing performance.

The Academy's new roofing build-up also featured a specially designed, tapered insulation system and innovative strainer leaf grates with overflows to improve long term water flow to the outlets.

In order to make optimum use of natural light, the Academy's existing rooflights were replaced with high quality, triple skin polycarbonate rooflights supplied by Whitesales. A brand new, made-to-measure barrel vault lantern rooflight was also installed.

Overall, the project was successfully delivered on time and within budget, and TCRC were complimented for their excellent attention to detail.

**Project:** Brookside Academy

**Location:** Street, Somerset

**Client:** Somerset County Council

**Architect:** WD Architects

**Main Contractor:** Melhuish & Saunders

**Products:** Garland BUFR System incorporating Tapered Insulation



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