

TCRC Case Study: Henbury Court Primary Academy



Community Academy Benefits from Insulated Warm Roof System

Henbury Court Primary Academy is a primary school and nursery near Bristol, teaching almost 400 pupils aged between 3 and 11.

The roof on this vital educational establishment was in urgent need of improvement, and this project involved a complete roof upgrade totalling over 3,250m².

Complete Warm Roof Upgrade

On the main Primary School roof, the surface was primed and prepared, ready for the new system to be installed. Enhanced thermal insulation was then installed, incorporating tapered drainage to the perimeter of the roof, followed by Garland's Torch Flex Ultra-Vent underlay. For the final waterproofing surface, Garland's Stressply Flex high performance cap sheet was installed in an attractive charcoal colour.

On the Infants School building, the saturated existing roof coverings were completely stripped off and responsibly disposed of. The kitchen roof was also stripped and the deck replaced. A bituminous Garland vapour control layer was installed followed by a specially designed tapered insulation system. Garland's two layer waterproofing system was then installed, including the Torch Flex Ultra-Vent Underlay and Stressply Flex cap sheet.

On both roofs, the existing rooflights were replaced and upgraded with Whitesales specified products. Stainless steel drainage systems, together with enhanced soil and venting pipework were also expertly installed.

Overall, this was an excellent project delivered by The Complete Roofing Company, demonstrating exceptional attention to detail. Weight loading and water ingress issues relating to poor drainage and standing water were completely eliminated, and the school has been left with a quality waterproofing system that they can rely on for many years to come.

Project: Henbury Court Primary Academy

Location: Henbury, Bristol

Surveyors: Kendall Kingscott Partnership

Products: Warm Roof System including Garland Ultra Vent Underlay and Garland Stressply Cap Sheet



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Complete roof replacement using Garland two layer StressPly Flex breathes fresh life into primary and Infant school

Henbury Court Academy, on the outskirts of Bristol, consists of a primary and separate nursery with a combined capacity of over 400 pupils ageing from 3 to 11. The local Garland Technical Manager conducted a thorough survey at the request of the Estate Manager who was struggling to patch failures in the building's original single ply system. The findings were conclusive; due to poor drainage through the existing gutter system, water was ponding in multiple areas causing excess stress to the deck and in some areas even the building's structure. This, combined with ingress into the roofing insulation, left only one possible solution - a complete removal of the current single ply system replacing it with Garland's StressPly Flex two layer waterproofing system.

Due to the extent of the damage caused by failures in the single ply system, the roof decks had to be replaced before a new layer of insulation could be installed. Further improvements to the building could be made at the same time through the upgrading of existing roof lights providing increased daylight



to the central areas of both the nursery and infants school. Through careful design from both the Garland technical team and the approved contractor, improvements were made to the gutter system. This allowed for increased rate of drainage and prevented the occurrence of standing water.

The project was completed on time and budget in part due to the regular site visits from the Garland Technical Manager, ensuring that work was being carried out to the highest possible standard. This, combined with a single point guarantee of 25 years, left the Academy extremely satisfied. The finish on this project is of the highest level and once again The Complete Roofing Company showed their expertise in dealing with varying roofing profiles and complex detailing.

For more information on how your building could benefit from a roof replacement scheme from Garland do not hesitate to get in touch with your local expert today.



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Location: Bristol
Garland Rep: Paul Boole
Contractor: The Complete Roofing Company
Garland System: StressPly Flex