

CASE STUDY



NATIONAL STAR COLLEGE Gloucestershire



PROJECT
Refurbishment of College Roof

MAIN CONTRACTOR
Banyan Construction

ROOFING CONTRACTOR
Leigh Smith Roofing

PRODUCT
Cambrian Slate
in Heather

Original Natural Slate Roof

Redland Cambrian Slate Roof

Fibre Cement Roof

PURE CLASS WITH CAMBRIAN

In a bind and needing to meet tight deadlines, contractors working on the National Star College in Cheltenham sought assistance from Redland's free-of-charge SpecMaster service.

The original roof, finished with a fibre cement tile, had become badly weathered and in some areas was structurally unsound. Roofing contractor, Leigh Smith Roofing, was given a short, six-week window of opportunity to complete the entire reroofing project in order to coincide with the college's summer holidays and minimise disruption to college operations.

With difficulties in the details at the junction between the pitched roof and the flat roof, Redland's expert Technical Solutions team was able to give additional guidance to find an appropriate solution that would work both technically and aesthetically.

Leigh Smith explains: "Getting proper ventilation into the building through the roof was very difficult and allowing air to flow in and out was potentially a very big problem."

To solve this, the SpecMaster specification detailed Redland RedVent 25 Over-Fascia Vents to provide unobtrusive and continuous ventilation at the eaves to comply with BS 5250, and reduce the risk of harmful condensation in the roof. The specification also included compatible fittings and accessories, such as Redland Rapid Vented Ridge System, Dry Hip System, Dry Valleys and Redland Spirtech 400 25 vapour permeable underlay to provide a complete weathertight roof system.

"The College was keen not to have to go through another roof replacement any time soon so to spare them the headache, SpecMaster was the obvious choice," Leigh said. "It's always difficult to work with these older roofs that have been created in traditional style many decades ago. I did enjoy the job and its challenges though."



SpecMaster is Redland's free-of-charge roof specification service for architects and professional specifiers that saves you time and relieves the burden of writing specifications. It's our most comprehensive service covering slates, tiles, fittings, accessories, fixings, ventilation, underlay and battens all provided in NBS-based format for seamless integration into the building specification. Roofs designed and built in accordance with SpecMaster are covered by our 15-year design liability SpecMaster Guarantee.

For further information on Redland:
Visit www.redland.co.uk or telephone our
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“ GETTING PROPER VENTILATION INTO THE ROOF WAS DIFFICULT