

# PROJECT **CASE STUDY**

NORTHBOURNE SCHOOL  
DIDCOT, OXFORDSHIRE





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# Northbourne School

## Flat Roof & Rooflight Refurbishment



## PROJECT BACKGROUND

TD Roofing Consultants were asked by Oxford Diocese to carry out a roof survey on Northbourne School in Didcot which had been suffering water ingress into the fabric of the building for a number of years.

TDRC subsequently visited the school and completed a comprehensive survey of all the roof areas, including core sampling, infra-red thermography, moisture probe analysis and specialist moisture mapping. This concluded that there were isolated areas of water ingress attacking the fabric of the building, and these were primarily linked to the old Northern Georgian wired rooflights that were fitted on the school roofs.

Following the survey, a full report was prepared for the client, along with a performance based waterproofing specification. This called for the sections of wet insulation situated in the problem areas to be removed and upgraded with new thermal insulation in order to comply with current Part L Regulations. The specified waterproofing system had to be BBA Accredited, Broof t4 fire-rated and supplied with a 30-year waterproofing guarantee covering both manufactured materials and workmanship.







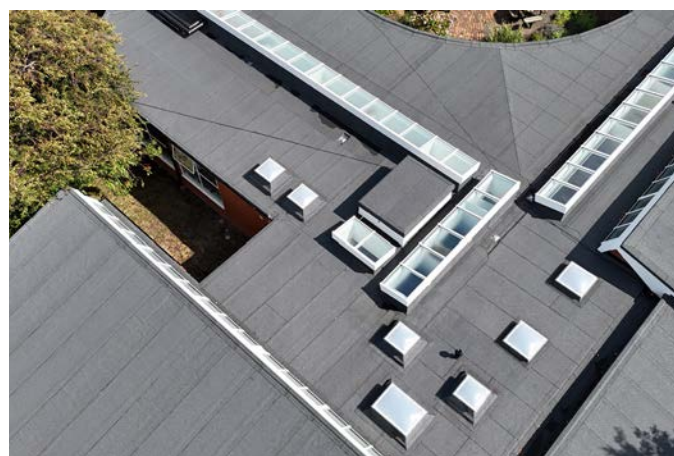
## PROJECT SOLUTION

The project was tendered and won by a local roofing contractor, with works originally phased to be completed over a 3-year period between 2023 and 2025. A presentation was given by TD Roofing Consultants to the school to explain in more detail about the works that would be carried out, with steps put in place to ensure maximum safety precautions and minimal disruption to the school's daily teaching activities.

Phase 1 of the project commenced in the summer holidays of 2023, with upgrade works to the roof and rooflights continuing during September and October. When phase 1 ended in October 2023, the Head Teacher and teachers at the school had nothing but praise for the roofing contractor and how they had worked closely with everyone to limit the day-to-day disruption and ensure the safety of everyone at the school. It was therefore decided that they would carry on immediately with both Phase 2 and 3 so that the project could be complete in its entirety ahead of schedule.

The work carried on through the wet winter and spring of 2023/2024 and was totally finished in July 2024. Both the client (Oxford Diocese) and the school were extremely pleased with the final outcome, along with the fact that the project had been completed on time and within budget.

TDRC are delighted to have played a pivotal role in delivering this project to a high standard. Thanks to a thorough initial survey, we were able to base our recommendations on facts, ensuring that the right waterproofing solution was specified for the client, saving them both time and hassle in the process.







## CLIENT TESTIMONIAL

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Working with TDRC has been instrumental in helping us prioritise the roofing needs across the schools we manage. The detailed reports provided are clear and accessible, even for those unfamiliar with roofing, highlighting key issues in a format that's easy for all parties to understand. TDRC's performance waterproofing specifications have consistently ensured we achieve the best value when tendering in the open market for our roofing projects.

The after-service provided by TDRC, including site monitoring and timely reports, is invaluable in keeping all stakeholders informed. Their comprehensive approach - from initial reporting to tendering and delivering the project - meant we completed the roofing works at Northbourne School in 18 months, rather than the projected three years, all within budget.

The partnership between TDRC and Midland Felt has resulted in a worry-free roof for the next 25 years. Additionally, the new windows and insulation have not only enhanced the learning environment for pupils and teachers but will also lead to significant energy savings for the school.

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**TOM FRY, OXFORD DIOCESE**







## CONTACT US



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