



CASE STUDY

**A cost-effective
solution with
minimal disruption**



APPROVED CONTRACTOR:
Thameside Roofing Ltd



CLIENT:
Christ's Hospital School

The purpose:

Christ's Hospital is a leading charitable school with a history spanning five centuries. When water began to leak into one of the classrooms of the current school building, constructed in the 1970s, the school quickly took action.

Local roofing contractor Thameside Roofing was contacted to remedy the problem. A Langley Approved Contractor, Thameside commissioned us to investigate the problem.

An in-depth roof condition survey discovered poor workmanship on an earlier roof repair was causing a cavity tray to route rainwater under the existing membrane instead of discharging it correctly away.

The water was then finding its way through the building fabric into the classrooms below and the school decided that all roof areas should be upgraded as part of the project to avoid the risk of similar water penetration happening elsewhere.

Through extensive core sampling, our technical experts found that the original asphalt waterproofing system was sound, which enabled an overlay solution to be specified.



Pupils remained in school during the entire works.

Our solution:

The roof condition survey identified fire hazards on various parts of the roof, therefore following Safe2Torch guidelines, the design incorporated a combination of liquid and bitumen solutions.

Langley's Liquid Roofing System was used on high level fire risk areas, junctions to aged cladding, pitched roofs or combustible materials. In all other areas, Langley's TA-20 RBM Flat Roofing System was installed, utilising the self-adhesive version SA-20 in areas close to fire risks in line with Safe2Torch practice guidelines. Thameside paid particular attention to correctly dressing the roofs' numerous angled and circular details.

As the existing asphalt covering was sound, these could both be overlaid without removal of the roofing already in place. This gave the school a more cost-effective solution, that also minimised disruption to school daily activity below, and eliminated waste to landfill.

The school remained fully open throughout the duration of the roofing works.





The result:


Christ's Hospital now has a watertight roof across its estate, guaranteed for decades to come. The independent insurance-backed warranty we provide as an integral part of our roofing systems gives the school peace of mind for the design, materials and workmanship for the next 20 years.


Our systems have also been independently certified by the BBA to deliver a life expectancy of at least 40 years - one of the longest available in the UK.



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For more information get in touch with our specialists

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